

**CATALOGUE**  
**OF THE**  
**MARIO-MISCELLANEOUS MAPS**  
**OF THE**  
**SURVEY OF INDIA**  
**( 1742 - 1872 )**

**NATIONAL ARCHIVES OF INDIA**  
**NEW DELHI**  
**1982**



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## PREFACE

The National Archives of India has a rich collection of cartographic records in its custody. In order to facilitate consultation of such records this Department brought out in 1975 Catalogue of the Historical Maps of the Survey of India, 1700-1800. The present volume is second in the series and has been appropriately designated as Catalogue of MHO - Miscellaneous Maps of the Survey of India, 1742-1872. This catalogue would supplement the earlier publication.

The pattern of the present catalogue has been changed from that of the earlier volume with a view to obviate time-consuming process in locating the requisite maps. All the entries, including cross-references, in the present catalogue contain detailed information and have been arranged alphabetically. Efforts have also been made to include short biographical sketches of as many of the surveyors whose maps have been included in this volume as possible. This part of the catalogue would therefore be useful to those who are interested in the general progress of the cartographic activities in India during the period.

The catalogue unfolds, perhaps for the first time in India, details of the cartographic innovations on the maps. This information would be of interest to the serious students of historical cartography.

Before I conclude I should like to express my gratitude to the Survey of India for going through the manuscript of the Biographical Sketches and suggesting additions which have been incorporated in this volume. I am particularly thankful to them for allowing us to make use of

information in the first four volumes of the late Col. R.H. Phillimore, Historical Records of the Survey of India, for compiling the short biographical sketches in Part II of the Catalogue. I should like to take this opportunity to record my appreciation of the labour put in by Shri P.L. Madan, Archivist and an eminent Cartographer, under whose able supervision this volume has been compiled during a short period of one and a half years. He has been assisted by Shri Zile Singh, Assistant Archivist in the collection of data and by Shri S. Balasundaram, Transcriber, in getting the typescript ready.

New Delhi,

Dated: 11th May 1982.

S.A.I. TIRMIZI  
Director of Archives  
Government of India.

## INTRODUCTION

Indian Cartography owes much to the early efforts of navigators, travellers and missionaries who paved the way for the route surveyors. These surveyors were mostly attached to the British armies which had to march from one corner of India to another, from the extreme south to the foot of the Himalayas, from the unpenetrable forests of Assam and Burma in the East to the rugged mountains on the West almost inside Afghanistan. They had to ford innumerable rivers that criss-cross the country, before they could establish their firm hold over India.

The route surveyors were the real pioneers of Indian cartography. Detailed geographical information about India started unfolding itself and was brought to light during the early years of the eighteenth century by the untiring efforts of these route surveyors. Their maps, though not accurate from the modern standards of cartography, served the purpose and served it well.

The first step towards the precision of the surveys in India was taken in 1761 with Plaisted's surveys of the coasts of Chittagong, followed by Cameron's survey of the Twenty-four Parganas. James Rennell surveyed the Ganges during 1764. He was appointed as the first Surveyor General of Bengal in 1767 and William Lambton, who laid the foundation of the Great Trigonometrical Survey of India, was not only a geographer of repute but was a great geodesist as well and can aptly be called the Father of Indian Cartography.

The history of Indian cartography which is almost three hundred years old now, has passed through a very interesting and romantic period in its early years and upto the middle of the nineteenth century. Till then, it had been noticed that untrammelled skill and artistic perception and qualities of the surveyor at that time were far more effectively reflected in the maps prepared by him through the symbols and writings of his own design and creation than is ever possible from a standardized table of conventional signs on the modern monotonous maps. The meaning of his symbols almost leaps to the eye and the beholder is charmed by the picturesque beauty and design of these symbols. This was the age when maps had to be copied by hand and each copy guarded jealously.

The Map Records and Issue Office - Miscellaneous Maps 1742-1872 of the Survey of India, together with the Historical Maps, 1700-1900, also of the Survey of India the catalogue of which was published earlier by the National Archives of India in 1975, reflect faithfully the cartographic history in its various aspects. The MRIO - Miscellaneous maps though designated differently from the Historical Maps, are practically the same in origin and contents. These maps once belonged to some other record groups of the Survey of India and seemingly were part of one homogenous archival group or other of which enough proof is available on most of the maps themselves. Unfortunately, they now form part of a collection brought together from different sources in the Survey of India and made into an artificial heterogenous collection under the nomenclature of MRIO - Miscellaneous Maps and transferred to the National Archives of India during March 1956.

Apart from the 'record-character' of these maps in which archivists are particularly interested, these maps enable the students of Indian history to understand one aspect or another of Indian history as such. These cartographic records, however, would be more useful to the scholars of historical cartography not only in India but also outside the country. They illustrate, quite in detail, the various trends and the diffusion of cartographic innovations that developed through the ages. They are unique in extent as well as in contents and are no less inferior to the collections of the more advanced countries of the world which claim very rich cartographic traditions and history. We must preserve this priceless cultural heritage. It is the purpose of this publication to unfold the precious collection of cartographic records before the enlightened public in the shape of this catalogue.

This map-record group contains maps of such pioneers as James Rennell, William Lambton, Colebrooke, Mackenzie and others, for whose contributions the students of historical cartography in India in particular are grateful. The debt the Indian geography owes to these geographers and along with them, others included in the Historical Maps like Topping, Pringle, Everest, Waugh, Thuillier etc. can hardly be adequately expressed.

A word now about the arrangement of the contents and the general layout of the catalogue is necessary. The catalogue of this MRIO - Miscellaneous maps is divided into three parts: (1) Catalogue of maps, (2) Short biographical sketches of the surveyors whose maps are included in the catalogue, and (3) Cartographic Notes on the MRIO - Miscellaneous Maps.

The arrangement given to these map-records by the Survey of India has been retained. These are arranged chronologically under group-heads of 20 years, e.g., season 1721-40, season 1741-60 etc; under each group-head, the sheets are arranged and numbered serially viz. Season 1721-40/Serial No.1, Season 1721-40/Serial No.2, or Season 1741-60/Serial No.1, Season 1741-60/Serial No.2, etc., etc.

The entries of the place-names and the surveyors in Part I of the catalogue of Maps, are arranged alphabetically. Cross-references are given to all the place-names that occur in the title in detail, just as in the main entries. The heading or the catch-word of each entry, as far as possible, is in the spelling, as in vogue these days.

The entry constitutes the exact title of the map as it appears on the map, the scale, the name of the surveyor (or surveyors), the year of survey, compilation, reduction, copying, printing or publication (though in a very few cases), as the case may be and followed by number of copies or sheets. At the end of the entry, 'Old reference' is given, e.g., 'Register No.4-0-30 or 'Register No.4-PT-30'. This reference is given on the old labels at the back of the map by the Survey of India and indicate '4' as the Serial Number of the entry in the Register maintained for the receipt of the maps in the Map Publication Office of the Survey of India in early days; '0' or 'PT' stands for 'Original' or 'Plane-table' sheets respectively followed by the year of the receipt of that map in the Map Publication Office i.e., 1730 or 1830.



The 'Old Reference' has been used while referring to the map by the late Col. R. H. Phillimore of the Survey of India in his monumental works 'Historical Records of the Survey of India' in 5 volumes. He is the only man who has ever consulted and exhaustively made use of the valuable cartographic records of the Survey of India available in this country and abroad by quoting extensively from them. These references have been included in the entries at the end for easy identification of the maps referred to by him. This part of the catalogue would be useful mostly to the students of Indian History.

Part II, includes short biographical sketches of the surveyors whose maps are included in the catalogue. In spite of our best efforts, biographical sketches of all the surveyors could not be included. Almost all the surveyors used to be military officers, but only the major survey activities of them have been highlighted. These have also been arranged alphabetically. This information may be useful to those who are more interested in the survey activities in India in general.

Since these maps are of eighteenth and nineteenth centuries, the period when the science and art of cartography was in its creative stage in India, and the cartographic innovations were in the evolutionary phases, this collection of map is, therefore, of immense value also to students of the historical cartography, a discipline which has not been given its due place so far in India. Though this collection is very small as compared to other Survey of India collections, only about 700 sheets of maps, it contains specimen of almost every type of symbols used

and survey techniques in vogue at the time. Efforts have, therefore, been made in Part III of the Catalogue to include map-by-map evaluation of cartographic innovations used during this period. This is perhaps the first time in India that such an attempt has been made. The picturesque beauty of these maps unfolded in this part of the Catalogue would enchant the students in pursuit of the evolution of the historical cartography in India.

Part III of the Catalogue also contains the details of the Watermarks of the drawing papers used for preparing the maps. This would help in determining the period of drawing of these maps whose dates are doubtful or which bear no dates on them. The information would be useful to those interested in the history of the manufacture of paper and its use in the eighteenth, nineteenth and early twentieth centuries.

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**PART I**

**CATALOGUE OF THE MRIO - MISCELLANEOUS  
MAPS**



**MRIO - MISCELLANEOUS MAPS OF THE SURVEY OF INDIA**  
**(1742-1872)**

**AGRA - Sketch of the Jumnah between Allahabad and Agra.**  
Scale 1" = 2 miles. By J.A.Hodgson. 1826. 2 Mss.  
[Old reference - Register No. 8-0-26]

1821-40/27-27A

**AHMED ALI KHAN - A survey of the Jaghire of Ahmed Ally Khan as ceded to the Rohillas by the Treaty of Calla Wolla in 1794. Scale 1" = 2½ miles. By I. Mouat, 1795. Ms. [Old reference - Register No. 1-0-1795].**

1781-1800/2

**AIKIN, W. - Survey of Cheechun and parts of Tarrapoor, Asseeree, and Seereegaon turrufs in the Sunjun Talooka. Scale 1" = 2 miles. By W. Aikin. 1833. Sheet 14A, copied in 1835. 2 Mss. [Old reference - Register No. 10-PT-33].**

1821-40/14-14A

**ALIGARH - Survey of the road from All Ghad to Partaubghur, from Partaubghur to Manickpoor, and also that part of the Eastern Boundary from the River Ganges to near the Goomty River, between the territories of His Highness the Nawaub of Oude and those lately ceded to the Hon. Company. Scale 1" = 1 mile. By Lieut. H.C. Smith. 1802-03. Ms.**

1801-20/38

**ALIGARH** - Boundary between Allygurh and Bulandshahr.  
Scale 2" = 1 mile. By J. Bedford. 1835. Ms. [Old  
reference - Register No. 4-0-35].

1801-40/28

**ALI MASJID** - Sketch of Alimusjid. Scale 1" = 400 feet.  
By Maj. Geo Thomson and Lieut. H. M. Durand. Copied  
in 1840. Ms. [Old reference - Register No. 7-0-38].

1831-40/20

**ALI MUSJID** - See Ali Masjid.

**ALLAHABAD** - Sketch of the Jumna between Allahabad  
and Agra. Scale 1" = 2 miles. By J. A. Hodgson.  
1826. 2 Mss. [Old reference - Register No. 8-0-36].

1831-40/27-27A

**ALL GHAD** - See Aligarh.

**ALLYGURH** - See Aligarh.

**AMEER KHAN** - Killa [Fort] Talcheer, Cuttack Tri-  
butary Mahals. Scale 1" = 1 mile. By Lieut. Col.  
G. H. Saxton and Capt. G. C. Depree. Surveyed in 1853-  
57 and 1860-61. Copied by Ameer Khan in 1869. Ms.  
[Old reference - Register No. 52-0-61].

1841-60/108

**AMRAOTI** - Part of District Amraoti, Berar. Scale 1" = 1 mile. Surveyed by J. Mulheran. 1856-57 and 59-60. Extracted from the Original. Ms. [Old reference - Register No. 69-0-60].

1841-60/50

**AMRAPOOR** - Survey of the Districts of Nidigul and Pawgur belonging to Mysore, or part of the Districts of Amrapoor, Margee-Sera, Punnaconda and Kuttin-gerry belonging to the ceded Districts and their Boundary with Madageesy, Mudgerry and Serah belonging to Mysore. Scale 1" = 1 mile. By Capt. C. Mackenzie. 1801. Compiled in 1803. Ms. [Old reference - Register No. 3-0-1801].

1801-20/42

**ANDERSON, F.C.** - Map of the Boundary between Nepal and Oudh from Bhugora Tal to the Sarda River. Scale 1" = 4 miles. Surveyed by Lieut. F.C. Anderson. 1858-60. Ms.

1841-60/25

- Rough thakbust map of the Boundary between Nepal and British territory. Scale 2" = 1 mile. By Lieut. F.C. Anderson, Boundary Commissioner. 1860. Lithographed in 1864. 15 lithographs. [Old reference - Register No. 75-0-60].

1841-60/27-27N

4  
**ANGUL - Killah / Fort ] Ungool, Cuttack Tributary Mahals. Scale 1" = 1 mile. Surveyed by Lieut. Col. G.H. Saxton. 1853-54. Ms. [Old reference - Register No. 18-0-54].**

1841-60/63

**ANOPGURH - See Anupgarh.**

**ANUPGARH - Map showing the Purgunahs of Bhutner (Hammangarh) and Anopgarh with the adjacent Boundaries of the British and Bahawalpoor States in illustration of the Report by Captains Jackson and Cunningham. Scale 1" = 4 miles. 1847. Ms.**

1841-60/11

**ARAKAN - [Boundary between Chittagong and Arracan] with a copy of "Notes on the Survey of Chittagong" by Lieut. J. Cheape, dated 14th Oct. 1818. Scale 1" = 10 miles. 1818. 2 Ms maps and 16 pages of Ms. Notes. [Old reference - Register No. 20-0-18].**

1801-20/2-2B



**ARAKAN** - Map showing the Eastern Boundary of the Province of Chittagong and its relative situation to Arracan. Scale 1" = 12 miles. By Lieut. J. Cheape. 1820. Sheet 3 is Ms. Sheet. 3E-3K are lithographed copies of the map, Sheet 3A-3D are lithographed copies of the Note by Lieut. J. Cheape, dated 19th Oct., 1823. [Old reference - Register No. 6-0-20].

1801-20/3-3K

- Map of the Province of Arracan with the adjoining Districts of Chittagong and Ava. Scale 1" = 32 miles. Compiled by Lieut. R.B. Pemberton. Sheet 12, not dated. Sheets 12A-12D, printed in 1831. Ms. with 4 printed copies. [Old reference - Register No. 11-0-31].

1821-40/12-12D

- Map of the territory of Munneepoor and part of Arracan. Scale 1" = 16 miles. By Lieuts. Crommelin and Pemberton. [1825-30] 5 Mss. [Old reference - Register No. 6-0-25].

1821-40/10-10D

**ARRACAN** - See Arakan.

**ASIRI** - Survey of Cheechun and parts of Tarrapoor, Asseeree and Seereegaon turrufs in the Sunjun Talooka. Scale 1" = 2 miles. By W. Aikin. 1833. Sheet 14A, copied in 1835. 2 Mss. [Old reference - Register No. 10-PT-33].

1821-40/14-14A

**ASSAM** - Northern Provinces of Bengal with Bootan, Dinagepoor and Assam frontiers. Scale 1" = 5 miles. By Rennell. 1779. 2 Mss. [Old reference - Register No. 2-0-1779].

1761-80/7-7A

**ASSEEREE** - See Asiri.

**ATIA** - Province of Bettoriah or Northern Division of Rajeshy with the Purgunnahs of Attyah, Caugmahry, Pookarya, Patladah, Burhazzo, Shilberis, Jaffiersi and Laskerpoor. Scale 1" = 5 miles. Surveyed by J. Rennell in 1769-1771. Sheet 3B, copied in 1840. 3 Mss. [Old reference - Register No. 1-0-1771].

1761-80/3-3B

**ATTYAH** - See Atia.

**AVA** - Map of the Kingdom of Ava with countries adjacent showing the present Boundary of the South-East Frontier of Bengal and of the newly acquired territories of the coast of Tenasserim. Scale 1" = 32 miles. Compiled by Maj. J.N. Jackson. 1826. Ms. [Old reference - Register No. 3-0-26].

1821-40/11

- Map of the Province of Arracan with the adjoining Districts of Chittagong and Ava. Scale 1" = 32 miles. Compiled by Lieut. R.B. Pemberton. Sheet 12, not dated. Sheets 12A-12D, printed in 1831. Ms. with 4 printed copies. [Old reference - Register No. 11-0-31].

1831-40/12-12D

**BACKERGUNGE** - District Backergunj. Main Circuits 3 & 4. Scale 1" = 1 mile. Surveyed in 1859-60. Lithographed in 1864. 2 Lithographs. [Old reference - Register No. 76.0.60].

1841-60/88

- District Backergunj. Main circuits 7-8. Scale 1" = 1 mile. Surveyed in 1860-61. Lithographed in 1864. 1 Lithograph. [Old reference - Register No. 56-0-61].

1841-60/92A

**BACKERGUNJ** - See Backergunge.

**BACKUR GUNJ** - See Backergunge.

**BAGHAURA TAL** - Map of the Boundary between Nepal and Oudh from Bhugora Tal to the Sarda River. Scale 1" = 4 miles. Surveyed by Lieut. F.C. Anderson. 1852-60. Ms.

1841-60/25

**BAGHELKHAND** - Map of Malwa, Khandeish and part of Behar with a part of Bundelcund and Bogailcund. Scale 1" = 16 miles. 1815. Sheet 39A, copied in 1817. 2 Mss. [Old reference - Register No. 1-0-15].

1801-20/39-39A

**BAHAREBUND PARGANA** - See Beharband Pargana.

**BAHAR** - See Bihar.

**BAHAWULPOOR** - See Bahawalpur.

**BAHAWALPUR** - Map showing the Purgunahs of Bhutner [Hamumangarh] and Anopgarh with the adjacent Boundaries of the British and Bahawalpoor States in illustration of the Report by Captains Jackson and Cunningham. Scale 1" = 4 miles. 1847. Ms.

1841-60/11

[ Boundary between Bahawalpur and Bikaner ]. Scale 1" = 4 miles. By Lieut. Col. R. Napier. 1849. Sheet 14-A, copied in 1850. 2 Mss. [ Old reference - Register No. 15-0-50 ].

1841-60/14-14A

- Sketch map exhibiting the new Boundary between the States of Bahawalpoor, Bikaner and the British territories as adjusted by the Commissioners in 1844 and 1848. Scale 1" = 4 miles. Sheets 92, 92B by Captain L.F. Jackson. Sheet 92, compiled in 1850. Sheet 92-A, compiled in 1852. Sheet 92-B, copied in 1871. 3 Mss. [ Old reference - Register No. 12-0-48 ].

1841-60/92-92B

**BALLIAGOT PASSAGE** - Part of the survey of the Sunderbunds having for its Boundaries, the River on the West, the Juboona creek on the North, the Juboona River on the East and the passage through the Sunderbunds called the Balligot Passage on the South. Scale 1" = 2 miles. By Lieut. W.E. Morrieson. 1813. Ms. [Old reference - Register No.2-0-14].

1801-20/42A

**BANETTA** - Map of Boundary of Chorea of Tonk with Banetta of Oonsara. Scale 1" = 400 yards. By Jenkins. 1854. Ms. [Old reference - Register No.16-0-54].

1841-60/17

**BATALA** - Map of the Road from Buttallah to Deenanuggur. Scale 1" = 1 mile. By C. Blaney. Reduced in 1849. Ms. [Old reference - Register No.13-0-49].

1841-60/29

- Map of Purgunnah Butala, District Goor-daspoor. Scale 1" = 1 mile. Surveyed by Lieut. J.W.B. Blagrove. 1850-52. Copied in 1869. Ms. [Old reference - Register No.19-0-52].

1841-60/31

**BAUMNEY** - Skeleton plan of Baumney with the road and coast to Nocolly. Scale 1" = 1 mile. By Capt. A. Hodges. 1836. Compiled in 1839. Ms. [Old reference - Register No. 8-0-36].

1841-60/6

**BECHER, J. R.** - Survey showing portion of the Boundary between Sind and Jodhpoor demarcated in 1849. Sheet 12, on scale 1" = 4 miles. Sheet 12-A on scale 1" = 8 miles. By Capt. L. F. Jackson and Lieut. J. R. Becher, Boundary Commissioners. 1849. 2 Mss. [Old reference - Register No. 12-0-49].

1841-60/12-12A

**BECHER, [J. R.]** - Sketch map compiled to illustrate a Report on a portion of the Sind and Marwar Frontier. Sheet 13, on scale 1" = 8 miles. Sheet 13-A on scale 1" = 4 miles. By Lieut. Becher, Boundary Commissioner. 1850. 2 Mss. [Old reference - Register No. 14-0-50].

1841-60/13-13A

**BEDINGFIELD, [ ]** - Plan of the Southern Boundary of the Province of Durung from the Mungul Dace to the Dhunseeree. Scale 1" = 1/4 mile. By Lieut. Bedingfield. Copied in 1828. Ms. [Old reference - Register No. 6-0-28].

1821-40/4

**BEDFORD, JAMES** - Fotographical sketch of the Route from Suddeea, (Assam) to Rajanuggir (Burma) by the Gaum of Beesa. No. scale. Reduced by Capt. James Bedford in 1826. Ms. [Old reference - Register No. 6-0-26].

1821-40/3

**BEDFORD, J.** - [Boundary between Allygarh and Bulandshahar]. Scale 2" = 1 mile. By J. Bedford. 1835. Ms. [Old reference - Register No. 4-0-35].

1821-40/26

**BEEKANER** - See Bikaner.

**BEHAR** - See Bihar.

**BELL, ROSS** - Sketch of the Nepaulese Terraces and Boundary between the Rapti and Bhagmuttee Rivers exhibiting the insular tract of country belonging to the Rajah of Rannuggar. Scale 1" = 10 miles. By Ross Bell. Copied in 1835. Ms. [Old reference - Register No. 5-0-39].

1821-40/19

**BENARES** - Oud and adjacent Districts showing proposed Zillahs and Commissionerships. Scale 1" = 8 miles. Extract from Map of country between Benares and Delhi. 1857. Lithographed in 1860. Lithograph copy.

1841-60/49



**BENGAL** - An actual survey of the Provinces of Bengal, Bahar etc. Scale 1" = 10 miles. By Maj. James Rennell. 1776. Published by Laurie & Whittle, London in 1794. [Old reference - Register No. 5-13-8-30].

1821-40/6

Provinces of Bengal situated on the West of the Hoogly River with the Maharatta frontier. Scale 1" = 5 miles. By J. Rennell. [1779]. 2 Mss. [Old reference - Register No. 5-0-1779].

1761-80/2-2A

Northern Provinces of Bengal with the Bootan, Dinagepoor and Assam Frontiers. Scale 1" = 5 miles. By Rennell. 1779. 2 Mss. [Old reference - Register No. 2-0-1779].

1761-80/7-7A

Map of the kingdom of Ava with the countries adjacent showing the present Boundary of the South-East Frontier of Bengal and of the newly acquired territories of the coast of Tenasserim. Scale 1" = 32 miles. Compiled by Maj. J.N. Jackson. 1826. Ms. [Old reference - Register No. 3-0-26].

1821-40/11

**BENGAL** - Map [Bengal] exhibiting the Localities of Coal extending from  $11^{\circ}$  to  $23^{\circ}$  North Latitude and from  $77^{\circ}$  to  $101^{\circ}$  East Longitude. Scale  $1'' = 48$  miles. Compiled by Capt. R. Wroughton. 1845. Ms. [Old reference - Register No. 4-0-45].

1841-60/81

Sketch map of India showing the Military Stations under the three Presidencies of Bengal, Madras, and Bombay. [Scale  $1'' = 64$  miles]. Traced in 1857. Ms.

1841-60/86

**BERAR** - Part of District Yeotmal, Berar. Scale  $1'' = 1$  mile. Surveyed by J. Mulheran, 1857-58. Extracted from the Original. Ms.

1841-60/51

- Part of District Amraoti, Berar. Scale  $1'' = 1$  mile. Surveyed by J. Mulheran, 1856-57 and 1858-60. Extracted from the Original. Ms. [Old reference - Register No. 60-0-60].

1841-60/50

**BERTIE, W.** - North Konkum. No. 2. Survey of the Mahim Purgunna and parts of the Seereegoon, Tarapoor, Cheschun and Munnoor Turrufs. Scale 1" = 2 miles. Surveyed by W. Bertie. 1833. Sheet 8A, copied in 1835. 2 Mas. [Old reference - Register No. 11-PT-33].

1821-40/8-8A

**BETTORIAH** - See Betura.

**BETURA** - Province of Bettoriah or Northern Division of Banjashy with the Purgunahs of Attyah, Chaugnashry, Peekarya, Patladah, Burhazzo, Shilberis, Jaffiersi and Laskerpoor. Scale 1" = 5 miles. Surveyed by J. Rennell in 1769-1771. Sheet 3-B, copied in 1840. 2 Mas. [Old reference - Register No. 1-0-1771].

1761-80/3-3B

**BEYT FORTRESS** - See Beyt Shankhodhar Fortress.

**BEYT SHANKHODHAR FORTRESS** - Plan of the Fortress of Beyt, attacked 6th October 1858 and blown up. Scale 1" = 45 feet. 1858. 2 Mas.

1841-60/106-108A

**BHAGALPUR** - Map of Beglipour, Monghir and the Jungleterry Districts in general including also the Passes of Birboon and Rajamal. Scale 1" = 5 miles. Surveyed in 1775. Sheet 5B, copied in March, 1842. 3 Mss. [Old reference - Register No. 1-0-1775].

1761-80/5-5B

**BHAGMATI RIVER** - Sketch of the Nepaulese Tarraee and Boundary between the Rapti and Bhagmuttee Rivers exhibiting the insular tract of country belonging to the Rajah of Rammuggur. Scale 1" = 10 miles. By Ross Bell. Copied in 1839. Ms. [Old reference - Register No. 5-0-39].

1821-40/18

**BHAGMUTTEE RIVER** - See Bhagmati River.

**BHARATPUR** - Plan of the city and Fort of Bhurtpore with the environs. Scale 1" = 10 Chains. By Lieut. G. Hamilton. 1857-58. Copied in 1880. Ms.

1841-60/105

**BHOPAL** - Plan of the Fort and Town of Bhopal. Scale 1" = 100 yards. 1860. Ms. [Old reference - Register No. 66-0-60].

1841-60/40

**BHOPAL** - Plan of Gunourgurh Fort in Bhopal country. Scale 1" = 40 yards. 1860. Ms. [Old reference - Register No. 57-0-60].

1841-60/73

\_\_\_\_ - Plan of Chokigurh Fort in the Bhopal country. Scale 1" = 160 yards. 1860. Ms. [Old reference - Register No. 58-0-60].

1841-60/75

**BHUGORA TAL** - See Baghaura Tal.

**BHURTPORE** - See Bharatpur.

**BHUTAN** - Northern Provinces of Bengal with Bhootan, Dinagepoor and Assam frontiers. Scale 1" = 5 miles. By Rennell. 1779. 2 Mss. [Old reference - Register No. 2-0-1779].

1761-80/7-7A

\_\_\_\_ - Rangpoor, Rangamatty, Coosahar, with the adjacent Purgunnahs of Beharband and Bitterband and part of Bootan. Scale 1" = 5 miles. Surveyed by Rennell and Martin. 1779. 2 Mss. [Old reference - Register No. 1-0-1779].

1761-80/8-8A

**BHUTNER** - See Hamumangarh.

**BIHAR** - An actual survey of the Provinces of Bengal, Bahar etc. Scale 1" = 10 miles. By Maj James Rennell. 1776. Published by Laurie & Whittle, London in 1784. [Old reference - Register No.13-0-30].

1821-40/6

\_\_\_\_ Map of Malwa, Khandeish and part of Bihar with a part of Bundelcund and Bogailcund. Scale 1" = 16 miles. 1815. Sheet 38A, copied in 1817. 2 Mss. [Old reference - Register No.1-0-15].

1801-20/39-39-A

**BIKANEER** - See Bikaner.

**BIKANER** - Landscape sketches of Jodhpoor, Beekasr, and Jesulmer. No Scale. By Lieut. A.H.E. Boileau. 1835. 4 Mss. [Old reference - Register No.5-0-35].

1821-40/36-36C

\_\_\_\_ [Boundary between Bahawalpur and Bikaner]. Scale 1" = 4 miles. By Lieut. Col. R. Napier. 1849. Sheet 14A, copied in 1850. 2 Mss. [Old reference - Register No.15-0-50].

1841-60/14-14A

**BIKANER** - Sketch map exhibiting the new Boundary between the States of Bahawalpoor, Bikaner and the British territories as adjusted by the Commissioners in 1844 and 1848. Scale 1" = 4 miles. Sheets 92, 92B, by Capt. L.F. Jackson. Sheet 92, compiled in 1850. Sheet 92A, compiled in 1852. Sheet 92B copied in 1871. 3 Mss. [Old reference - Register No. 11-0-48].

1841-60/92-92B

**BILARA** - Map of the Boundary of Bemdowda and Hadowtee villages made over to Tonk by Ooneara with Bylerce and Growtee of Ooneara. Scale 1" = 400 yards. 1854. 1 Ms. [Old reference - Register No. 17-0-54].

1841-60/18

**BIRBHAM PASS** - Map of Boglipour, Monghir and the Jungleterry Districts in general including also the Passes of Birboom and Rajemal. Scale 1" = 5 miles. Surveyed in 1775. Sheet 5B, copied in 1842. 3 Mss. [Old reference - Register No. 1-0-1775].

1781-80/5-5B

**BIRBOOM** - See Birbham.

**BITTERBUND** - Rungpour, Rangamatty, Coosbahar with the adjacent Purgunnahs of Baharbund and Bitterbund and a part of Bootan. Scale 1" = 5 miles. Surveyed by Rannell and Martin. 1778. 2 Mss. [Old reference - Register No. 1-0-1778].

1761-80/8-8A

**BLAGRAVE, J.W.B.** - Goordaspoor. Scale 1" = 1 mile. Surveyed by Maj. R. Shortrede, Capt. T.C. Blagrove and Lieut. J.W.B. Blagrove. 1848-53. Sheet 38F, Proof copy of Section I. 6 Mss. with 1 Proof. [Old reference - Register No. 75-0-63].

1841-60/38-38F

- District Goordaspoor. Sheet Nos. 4, 5 & 6. Scale 1" = 1 mile. Surveyed by Maj. R. Shortrede, Capt. T.C. Blagrove and Lieut. J.W.B. Blagrove. 1848-53. Compiled with corrections and additions upto 1869. Sheet 5, 2 copies. 4 Photozincographs.

1841-60/39-39C

- Map of Purgunnah Batala, District Goordaspoor. Scale 1" = 1 mile. Surveyed by Lieut. J.W.B. Blagrove. 1850-52. Copied in 1869. Ms. [Old reference - Register No. 19-0-52].

1841-60/31



**BLAGRAVE, T.C.** - Goordaspoor. Scale 1" = 1 mile.  
 Surveyed by Maj. R. Shortrede, Capt. T.C. Blaggrave and Lieut. J.W.E. Blaggrave. 1848-53.  
 Sheet 3A, Proof copy of Section I. 6 Mss. with  
 1 Proof. [Old reference - Register No. 75-0-63].

1841-60/38-38F

- District Goordaspoor. Sheet Nos. 4, 5 and 6.  
 Scale 1" = 1 mile. Surveyed by Maj. R. Shortrede.  
 Capt. T.C. Blaggrave and Lieut. J.W.E. Blaggrave.  
 1848-53. Compiled with corrections and additions  
 upto 1865. Sheet 5, 2 copies. 4 Photozincographs.

1841-60/38-38A

**BLAKE, E.** - Map of part of District Bulloch. Sheets  
 5, 5B, on Scale 1" = 1 mile. Sheets 5C-5D, on  
 Scale 1" = 4 miles. Surveyed by Capt. B. Blake.  
 1824. Sheets 5-5A, reduced in 1831. Sheet 5D,  
 copied in 1832. Sheet 5A, copied in 1836. 5 Mss.  
 [Old reference - Register No. 6-0-24].

1821-40/5-5D

**BLANE, G. RODNEY** - Map of part of the Lower  
 Sunderbunds. Sheet 1, on scale 1" = 1-1/8 miles.  
 Sheet 1-A, on scale 1" = 4 miles. Surveyed by  
 Lieut. G. Rodney Blane. 1813-14. Sheet 1-A, re-  
 duced in 1838. 2 Mss. [Old reference - Register  
 No. 3-PT-14].

1801-1820/1-1A

**BLANEY, C.** - Map of the Road from Buttallah to Deenanuggur. Scale 1" = 1 mile. By C. Blaney. Reduced in 1848. Ms. [Old reference - Register No. 13-0-49].

1841-60/29

**BLUNT, J.T.** - A Survey of the Town and Fort of Kuttack and their Environs. Scale 1" = 800 feet. By Capt. J.T. Blunt. 1803. 2 Mss.

1801-20/59-59A

**BOGAILCUND** - See Baghelkhand.

**BOGLIPOUR** - See Bhagalpur.

**BOHMAN MOUNTAINS** - Panoramic view of the Cachar and Bohman Mountains and Tipperah Hills. No Scale. 1822. 4 Mss. [Old reference - Register No. 6-0-22].

1821-40/34-34C

**BOILEAU, A.H.E.** - Landscape sketches of Jodhpoor, Beekaner and Jesulmer. No Scale. By Lieut. A.H.E. Boileau. 1835. 4 Mss. [Old reference - Register No. 5-0-36].

1821-40/36-36C

**BOILEAU, JOHN PETER** - Map of the Nepaul Boundary. Scale 1" = 8 miles. By Captains P.W. Grant, W. Garden, Lieuts. J.P. Boileau and J. Pickersgill. 1817. Ms. [Old reference - Register No. 18-0-17].

1801-20/54

- Survey made by order of British Government in India of Nipaulese Boundary on Northern frontier of Tirhoot in North-Bihar. Sheets 32, 32A, on scale 1" = 2 miles. Sheet 32B, on scale 1" = 4 miles. Surveyed by Lieut. John Peter Boileau, 1817. Sheet 32A, copied in 1830. [Old reference - Register No. 4-0-17].

1801-20/32-32B

- Survey of the Boundary between the British and Nipaulese possessions on the North-West Frontier of Zillah Chumpanan in North Bihar. Scale 1" = 2 miles. Surveyed by Lieut. John Peter Boileau. 1817. Sheet 34, copied in 1830. 2 Mss. [Old reference - Register No. 19-0-17].

1801-20/34

- Survey of the British Boundary on the Northern Frontier of the Zillah of Poorunnessa in North Bihar. Sheets 35-35A, on scale 1" = 2 miles. Sheet 35B, on scale 1" = 4 miles. Surveyed by Lieut. J.P. Boileau. 1818. Sheet 35A, copied in 1830. Sheet 35B, reduced in 1820. 3 Mss. [Old reference - Register No. 13-0-1818].

1801-20/35-35B

**BOMBAY** - Sketch map of India showing the Military stations under the three Presidencies of Bengal, Madras and Bombay. Scale 1" = 64 miles. Traced in 1857. Ms.

1841-60/86

**BOMBAY ARMY** - Surveys taken with the Division of the Bombay Army under the command of Maj. Genl. Jones during the war against Jeswant Row Holkar in 1804-05. Scale 1" = 13½ miles. By Capt. William Cowper. 1804-05. 3 Mss. [Old reference - Register No.1-0-5].

1801-20/46-46B

**BOORHANPORE** - See Burhanpur.

**BOOSNAH** - Provinces of Kishenagur, Jessore, Boosnah and Mahmudshy with part of Dacca and Rajshy. Scale 1" = 5 miles. Surveyed by Rennell, Martin and Richards. 1764-1772. 2 Mss. [Old reference - Register No.1-0-72].

1761-80/1-1A

**BOOTAN** - See Bhutan.

**BROOKE, JOHN C.** - Sketch of the Boundary between the states of Marwar, Palhanpoor, Thurrad and Vow. Sheet 15, on scale 1" = 1 mile. Sheets 15A and 15B, on scale 1" = 4 miles. Surveyed by Capt. John C. Brooke. 1853. Sheet 15, reduced in 1854. Sheet 15A, reduced in 1855. Sheet 15B, an Index. 3 Mss. [Old reference - Register No. 31-0-53].

1841-60/15-15B

**BROOME, A.** - Route map showing the travels of Lieut. A. Broome and Lieut. A. Cunningham to the sources of the Punjab Rivers. Scale 1" = 4 miles. By Lieut. A. Brooke and Lieut. A. Cunningham. 1838. 2 Mss. [Old reference - Register No. 8-0-38].

1821-40/23-23A

**BUDGE-BUDGE** - Plan of the Fortifications of Budge-Budge with the country adjacent showing the new works. Sheet 10, on scale 1" = 400 feet. Sheet 10A, on scale 1" = 1 furlong. 1778. 2 Mss. [Old reference - Register No. 3-0-1778].

1761-80/10-10A

**BUKHUR** - See Bukhur.

**BUKKUR** - Sketch of the Fortress of Bulkur with the British Camp in its vicinity. Scale 1" = 90 yards. By Lieut. J. Jacob. 1839. Copied by S. Jamaloddeen. Ms. [Old reference - Register No. 2-0-39].

1821-40/40

— - Plan of Rohree, Sukkur and Fort Bukkur. Sheets 104-104A, on Scale 1" = 1 furlong. Sheet 104B, on Scale 6" = 1 mile. By Lieut. J. Macdonald. 1856. 2 Mss. and 1 Silver Print.

1841-50/104-104B

**BULANDSHAHR** - [Boundary between Allygarh and Bulandshahr]. Scale 2" = 1 mile. By J. Bedford. 1835. Ms. [Old reference - Register No. 4-0-35].

1821-40/26

**BULLOAH** - See Noakhali.

**BULLOOAH** - See Noakhali.

**BUNDELCUND** - See Bundelkhand.

**BUNDELKHAND** - Map of Malwa, Khandeish and part of Behar with a part of Bundelcund and Bogailcund. Scale 1"=16 miles. 1815. Sheet 39A, copied in 1817. 2 Mss. [Old reference - Register No.1-0-15].

1801-20/39-39A

**BUNETTA** - See Banetta.

**BURHANPUR** - Survey of the Route of the Detachment commanded by Col. Thomas Goddard from Calpy to Surat in 1778 and 1779. Surveyed to the city of Boorhanpore-Johanabad. Scale 1" = 1 mile. 1778-79. 27 Mss. [Old reference - Register No.4-0-1779].

1761-80/6A (1-27)

**BURHAZZO** - Province of Bettoriah or Northern Division of Rajeshy with the Purgunnahs of Attyah, Caugmahry, Pookarya, Patladah, Burhazzo, Shilberia, Jaffiersi and Luskerpoor. Scale 1" = 5 miles. Surveyed by J. Rennell. 1769-1771. Sheet 3B, copied in 1840. 3 Mss. [Old reference - Register No. 1-0-1771].

1761-80/3-3B

**BUTALA** - See Batala.

**BUTTALLAH** - See Batala.

**BUXTON, B.** - Plan of the town of Cuttack and its vicinity. Scale 4" = 1 mile. By B. Buxton. 1818. Sheet 44A, copied in 1833. 2 Mss. [Old reference - Register No. 12-0-18].

1801-20/44-44A

**BYLEREE** - See Bilara.

**CABUL** - See Kabul.

**CACHAR MOUNTAINS** - Panoramic view of the Cachar and Bohman Mountains and Tipperah Hills. No Scale. 1822? 4 Mss. [Old reference - Register No. 6-0-22].

1821-40/34-34C

**CALCUTTA** - Plan of the territory of Calcutta as marked out in the year 1742, exhibiting likewise the Military Operations at Calcutta when attacked and taken by Seraj-ud-Dowlah on the 18th of June 1756. Scale 1" = 1/4 mile. Printed and Published by A. Uphohn. April 2, 1784.

1741-60/1



**CALCUTTA** - Plan of the city of Calcutta and its environs. Scale 1" = 500 feet. Surveyed by Maj. I. R. Scholch. Compiled with additions by Capt. T. Prinsep. [Engraved in 1825. Published in 1830]. 4 Sections. 2 Copies.

1821-40/45-45C

— - No. 1 Map of the city of Calcutta and Panchanogram, District 24 Purgunnahs. Scale 1" = 1 mile. 1851-52. Ms.

1841-60/55

— - Map of the country 10 miles round Calcutta. Scale 1" = 1 mile. Copied in 1853. Ms.

1841-60/8

— - [Fort William]. Sheet 107, on Scale 1" = 800 feet. Sheet 107A, on Scale 1" = 880 feet. 1853. 2 Mss.

1841-60/107-107A

— - E. B. Railway. Section map showing the line from Calcutta to Keostee. Scale 1" = 1 mile. 1857. Ms. [with a letter addressed to Thacker, dated 18.4.58]. [Old reference - Register No. 2-0-58].

1841-60/57

**CALCUTTA** - Territory of Calcutta. MDCCLVII. Scale 1" = 2 furlongs. Photolithographed in 1858. Photolitho copy.

1841-60/56

- Plan of Calcutta. Scale 1" = 380 feet. Surveyed by Frederick Walter Simms. 1847-49. The suburbs of the Town are from surveys by Major H.L. Thwaites and Capt. R. Smyth. Published in 1858. Revised in 1875. 16 printed copies.

1841-60/61-61'O'

- Map of Calcutta and its environs from an accurate survey taken in the years 1792 and 1793. Sheet 6, on scale 1" = 700 feet. Sheets 6A-6B, on scale 1" = 1000 feet. Sheets 6A-6B, printed in 1890. 3 printed copies. [Old reference - Register No.1-0-93].

1781-1800/6A-6B

**CALPY** - See Kalpy.

**CAMPBELL**, [ ] - Sketch of Col. Campbell's Route from Calcutta to Pooranagur in 1848. Scale 1" = 4 miles. By T.A.Duncan. 1848. Ms. [Old reference - Register No.13-0-48].

1841-60/4

**CARICAL** - See Karikal.

**CARICAUL** - See Karikal.

CAUGMAHRY - See Kagmari.

CENTRAL INDIA - [Portions of Khandesh, Central India and Central Provinces]. Scale 1" = 4 miles. 1816-18. 8 Mss. [Old reference - Register No. 2-0-18].

1801-20/7-7G

CENTRAL PROVINCES - [Portions of Khandesh, Central India and Central Provinces. Scale 1" = 4 miles. 1816-18]. 8 Mss. [Old reference - Register No. 2-0-18].

1801-20/7-7G

CHAMBA - Chamba Territory. Great Trigonometrical Survey of India. Scale 1" = 2 miles. Compiled by W.H.Scott. 1872. 4 Lithographs.

1841-60/110-110c.

CHAMPARAN - Survey of the Boundary between the British and Nepalese possessions on the North-West frontier of Zillah Chumparun in North Behar. Scale 1" = 2 miles. Surveyed by Lieut. John Peter Boileau. 1817. Sheet 34A, copied in 1830. 2 Mss. [Old reference - Register No. 19-0-17].

1801-20/34

CHAN-TAUNG - See Shantung.

CHARLES, [ ] - Plan of the city of Lucknow.  
Scale 12" = 1 mile. Surveyed by Charles. 1859.  
Reduced in 1860. 16 Mss.

1841-60/41-41'O'

CHEAPE, J. - [Boundary between Chittagong and Arracan] with a copy of "Note on the survey of Chittagong" by Lieut. J. Cheape, dated 14th Oct., 1819. Scale 1" = 10 miles. 1819. 2 Mss. Maps and 16 pages of Ms. Notes. [Old reference - Register No. 20-0-19].

1801-20/2-2B

— - Map showing the Eastern Boundary of the Province of Chittagong and its relative situation to Arracan. Scale 1" = 12 miles. By Lieut. J. Cheape. 1820. Sheet 3, Ms. Sheets 3E-3K, lithograph copies of the map. Sheets 3A-3D, Lithograph copies of a Note by Lieut. J. Cheape, dated 13th Oct. 1823. [Old reference - Register No. 6-0-20].

1801-20/3-3K

**CHEAPE, J.** - Section through the Parallel of 20°-40' North Latitude of the District of Chittagong. Scale 1" = 1 mile. By Lieut. J. Cheape. 1819. 2 Mss.  
 [Old reference - Register No. 22-0-19].

1801-20/56-56A

**CHEECHUN** - See Chinchani.

**CHEKIANG** - Atlas von-china [as surveyed by Jesuit Missionaries] [in German]. By I. Lieferung. 1843. [Contains title page, 5 pp. text, 4 maps of Kiang-son, Chan-Taung, Ho-nan, and Tche-Kiaing Provinces]. Printed copy. [Old reference - Register No. 11-0-43].

1841-60/94

**CHICACOLE** - Chicacole survey. Scale 1" =  $\frac{1}{2}$  mile. Sheet 24, not dated. Sheet 2A, copied in 1818. 2 Mss. [Old reference - Register No. 10-PT-18].

1801-20/24-24A

**CHINA** - Atlas von-China [as surveyed by Jesuit Missionaries] [in German]. By I. Lieferung. 1843. [Contains title page, 5 pp. text, 4 maps of Kiang-sou, Chan-toung, Ho-nan, and Tche-kiang Provinces]. Printed copy. [Old reference - Register No. 11-0-43].

1841-60/94

**CHINCHANI** - North Konkan. No. 2 Survey of the Mahim Parganna and parts of the Seereegaon, Tarapoor, Cheechun and Murnoor Turrufs. Scale 1" = 2 miles. Surveyed by W. Bartie. 1833. Sheet 8A, copied in 1835. 2 Mss. [Old reference - Register No. 11-PT-33].

1821-40/8-8A

- Survey of Cheechun and parts of Tarrapoor, Asseeree and Seereegaon turrufs in the Sunjun Talooka. Scale 1" = 2 miles. By W. Aikin. 1833. Sheet 14A, copied in 1835. 2 Mss. [Old reference - Register No. 10-PT-33].

1821-40/14-14A

**CHITTAGONG** - [Boundary between Chittagong and Arracan], with a copy of "Notes on the Survey of Chittagong" by Lt. J. Chespe, dated 14th Oct. 1819. Scale 1" = 10 miles. 1819. 2 Mss. maps and 16 pages of Ms. Notes. [Old reference - Register No. 20-0-19].

1801-20/2-2B

- Section through the Parallel of 22°-40' North Latitude of the District of Chittagong. Scale 1" = 1 mile. By Lieut. J. Chespe. 1819. 2 Mss. [Old reference - Register No. 22-0-19].

1801-20/56-56A

**CHITTAGONG** - Map showing the Eastern Boundary of the Province of Chittagong and its relative situation to Arracan. Scale 1" = 12 miles. By Lieut. J. Cheape. 1820. Sheet No. 3, Ms. Sheet Nos. 3E-3K, Lithographs. Sheets 3A-3D, Litho-copies of the Note by Lt. J. Cheape, dated 13th Oct., 1823. [Old reference - Register No. 6-0-20].

1801-20/3-3K

- Map of the province of Arracan with the adjoining Districts of Chittagong and Ava. Scale 1" = 32 miles. Compiled by Lieut. R. B. Pemberton. Sheet 12, not dated. Sheets 12A-12D, printed in 1831. Ms. with 4 printed copies. [Old reference - Register No. 11-0-31].

1821-40/12-12D

- [Map of Bulloah, Chittagong, Hattia, Sundeep and the smaller Islands in vicinity]. Scale 1" = 2 miles. 1834-36. Copied in 1839. Ms. [Old reference - Register No. 12-0-39].

1841-60/5

**CHOKIGARRH** - Plan of Chokigarh Fort in the Bhopal country. Scale 1" = 100 yards. 1860. Ms. [Old reference - Register No. 58-0-60].

1841-60/7ii

CHOREA - See Choria.

CHORIA - Map of the Boundary of Choria of Tonk with Bunetta of Ooneara. Scale 1" = 400 yards. By Jenkins. 1854. Ms. [Old reference - Register No. 16-0-54].

1841-60/17

CHUMPARUN - See Champaran.

CHUNAR - Plan of the Fortress of Chunar. Scale 1" = 150 feet. [1832].

1821-40/29

— - Plan of the Fortress of Chunar. Scale 1" = 150 feet. 1832.

1821-40/43

COAL - Map exhibiting the Localities of Coal extending from  $11^{\circ}$  to  $28^{\circ}$  North Latitude and from  $77^{\circ}$  to  $101^{\circ}$  East Longitude [Bengal]. Scale 1" = 48 miles. Compiled by Capt. R. Wroughton. 1845. Ms. [Old reference - Register No. 4-0-45].

1841-60/81



COCHIN - Cochin State. Scale 1" = 1 mile. [1819].  
 Index sheet on scale 1" = 12 miles. 13 Mss.  
 [Old reference - Register No.4-PT-19].

1801-20/25-25L

COLEBROOKE, JAMES - Sketch of the Route of the  
 Hon. Col. Wellesley along the boundary dividing  
 the Marratta territories from Soonda country.  
 Scale 1" = 5½ miles. By James Colebrooke.  
 [1800]. 3 Mss. [Old reference - Register  
 No.1-0-1808].

1781-1800/4-4B

COLEBROOKE, R.H. - Map of the countries ceded  
 by His Highness the Nawaub of Oude to the Hon.  
 East India Company agreeably to the treaty of  
 Lucknow concluded Nov. 10, 1801. Scale 1" =  
 16 miles. By Maj. R.H.Colebrooke. Sheets  
 37-37A, not dated. Sheet 37B, 1802. Sheet  
 37C, with corrections and improvements, 1804.  
 4 Mss. [Old reference - Register No.7-0-1802].

1801-20/37-37C

COLEBROOKE, [ ] - Map of routes in Oudh and part  
 of Rohilkhand. Scale 1" = 4 miles. Compiled from  
 Col. Colebrooke's Detached Route Survey of 1808  
 by E. Wilson. 1834. Ms. [Old reference - Register  
 No.14-0-34].

1821-40/31

**COLLIGONGA (RIVER)** - See Kaliganga River.

**COLLINS, C. J.** - Route of Maj. Forbe's Detachment [along Mahanadi River]. Scale 1" = 1 mile. By Lieut. C. J. Collins. 1803. Ms. [Old reference - Register No. 4-0-1803].

1801-20/43

**CONCAN** - See Konkan.

**COOCH BEHAR** - Rungpour, Rangamatty, Coosbahar with the adjacent Purgunnahs of Baharbund, Blitterbund and a part of Bootan. Scale 1" = 5 miles. Surveyed by Rennell and Martin. 1779. 2 Mss. [Old reference - Register No. 1-0-1779].

1761-30/8-8A

**COOSBAHAR** - See Coon Behar.

**COWPER, WILLIAM** - Surveys taken with the Division of the Bombay Army under the command of Maj. Genl. Jones during the war against Jeswunt Row Holkar in 1804-05. Scale 1" = 12½ miles. By Capt. William Cowper. 1804-05. 3 Mss. [Old reference - Register No. 1-0-5].

1801-20/46-46B

CROMMELIN, W.A. - City Lucknow. Scale 6" = 1 mile. By Maj. W.A. Crommelin. 1859. Lithographed in 1861. Lithograph copy. [Old reference - Register No. 27-0-59].

1841-60/44A

CROMMELIN, [ ] - Map of the territory of Munneepur and part of Arracan. Scale 1" = 16 miles. By Lieut. Crommelin and Pemberton. [1825-36 ?]. 5 Mss. [Old reference - Register No. 6-0-25].

1821-40/10-10D

CUNNINGHAM, A. - Route map showing the travels of Lieut. A. Broome and Lieut. A. Cunningham to the sources of the Punjab Rivers. Scale 1" = 4 miles. By Lieut. A. Broome and Lieut. A. Cunningham. 1839. 2 Mss. [Old reference - Register No. 8-0-38].

1821-40/23-23A

\_\_\_\_ - Map of the Districts of Rukchu, Lahul and Piti showing the Boundary between the territories of Maharaja Gulab Singh [Kashmir] and British India. Scale 1" = 4 miles. By Capt. A. Cunningham. 1846. Copied in 1848. [Old reference - Register No. 11-0-46].

1841-60/34

CUNNINGHAM, A. - Plan of the Fortress of Gwalior showing the positions of the proposed new works. Scale 12" = 1 mile. By A. Cunningham. [1846]. Ms.

1841-60/77

CUNNINGHAM, [ ] - Map showing the Purgunahs of Bhutner [Hamumangarh] and Anopgurn with the adjacent Boundaries of the British and Bahawalpoor States in illustration of the Report by Captains Jackson and Cunningham. Scale 1" = 4 miles. 1847. Ms.

1841-60/11

CUTTACK - A survey of the Town and Fort of Kuttack and their Environs. Scale 1" = 800 feet. By Capt. J. P. Blunt. 1803. 2 Mss.

1801-20/50-59A

— - Plan of the town of Cuttack and its vicinity. Scale 4" = 1 mile. By B. Buxton. 1813. Sheet 44A, copied in 1833. 2 Mss. [Old reference - Register No. 12-0-18].

1801-20/44-44A

CUTTACK - Sketch of Colonel Campbell's Route from  
Cuttack to Pooanaghur in 1848. Scale 1" = 4 miles.  
By T.A. Duncan. 1848. Ms. [Old reference -  
Register No. 13-0-48].

1841-60/4

— - Killah Kandapada, Cuttack Tributary Mahals.  
Scale 1" = 1 mile. By G.H. Saxton. 1852-53. Ms.  
[Old reference - Register No. 32-0-53].

1841-60/3

CUTTACK TRIBUTARY MAHALS - Killah Ramapur,  
Cuttack Tributary Mahals. Scale 1" = 1 mile. Sur-  
veyed by Capt. G.H. Saxton. 1852-53. Enlarged  
from the original. Ms. [Old reference - Regis-  
ter No. 33-0-53].

1841-60/62

— - Killah Ungool, Cuttack Tributary Mahals.  
Scale 1" = 1 mile. Surveyed by Lieut. Col. G.H.  
Saxton. 1853-54. Ms. [Old reference - Register  
No. 19-0-54].

1841-60/63

**CUTTACK TRIBUTARY MAHAL** - Killah Talcheer, Cuttack Tributary Mahals. Scale 1" = 1 mile. By Lieut. Col. G. H. Saxton and Capt. G. C. Depree. Surveyed in 1853-57 and 1860-61. Copied by Ameer Khan in 1869. Ms. [Old reference - Register No. 52-0-61].

1841-60/108

**DACCA** - Provinces of Kishenagar, Jessore, Boosnah and Mahmudshi with parts of Dacca and Rajshy. Scale 1" = 5 miles. Surveyed by Rennell, Martin and Richards. 1764-72. 2 Mss. [Old reference - Register No. 1-0-72].

1761-80/1-1A

— - Southern part of Dacca and low lands of Tipperah with the Islands in the mouth of the Ganges. Scale 1" = 5 miles. Surveyed by Rennell, Ritchie, Martin and Richards. 1764-76. Copied in 1839. Ms. [Attached with this map is a Memorandum, in original, of Surveyor General's office, dated 15-12-1862 regarding the map]. [Old reference - Register No. 164-0-73].

1761-80/9

— - District Dacca. Main circuits No. 1-14. Scale 1" = 1 mile. Sections of Main Circuits 1-6, surveyed in 1857-58. Sections of Main Circuits 7-9, surveyed in 1858-59. Sections of Main Circuits

10-14, surveyed in 1859-60. Main Circuits 1-6, Lithographed in 1862. Main Circuits 7-12, Lithographed in 1863. Main Circuits 13-14, Lithographed in 1870. 11 Lithographs. [Old reference - Register No. 16-0-58].

1841-60/98-98J

DACCA - City of Dacca including Cantonments. Scale 12" = 1 mile. By N.T. Davey. 1859. Lithographed in 1863. 2 Lithographs. [Old reference - Register No. 12-0-59].

1841-60/97-97A

DAH - See Daha.

DAHA - Map of the boundary of Dah of Tonk with Ooneara and other villages of Jaypore. Scale 1" = 400 yards. By Jenkins. 1854. Ms. [Old reference - Register No. 15-0-54].

1841-60/16

DANISH SETTLEMENT - Map of the Danish Settlement of Serampoor including the Lands of Pearapore dependent thereon, situated in the Province of Bengal on the West bank of the Hooghly River.

Scale 1" = 170 yards. Surveyed by Charles Joseph. 1842. Sheet 58A, copied in 1843. 2 Mss.

1841-60/58-58A

DANVERS, JULAND - Map of India showing the British Possessions in the year 1750. Scale 1" = 200 miles. By Juland Danvers. Published by Wm. H. Allan & Co., Leadenh ... Oct. 17th, 1842. Printed copy.

1741-60/2

— - Map of India showing the British Possessions in the year 1842. [Scale 1" = 196 miles]. By Juland Danvers. Published in 1842. 2 printed copies.

1841-60/21-21A

DARJEELING - Index map to the locations at Darjeeling. Scale 6-1/3" = 1 mile. By Capt. W.S. Sherwill. 1851. Lithographed in 1853. Lithograph copy. [Old reference - Register No. 14-0-51].

1841-60/60

DARRANG - Plan of the Southern Boundary of the Province of Durung from the Mungul Dae to the Mora Dnunseeree. Scale 1" = 4 miles. [1824 ?]. Ms. [Old reference - Register No. 5-0-24].

1821-40/35



**DARRANG** - Plan of the Southern Boundary of the Province of Durung from the Mungul Dace to the Dhun-seeree. Scale 1" = 1/4 mile. By Lieut. Bedingfield. Copied in 1828. Ms. [Old reference - Register No. 6-0-28].

1821-40/4

**DAVEY, N.T.** - Map of the Boundary claimed by the Rajah of Independent Tipperah. [Hill Tippera] within the District of Sylhet. Scale 1" = 1 mile. By N.T. Davey. 1850. Copied in 1850. Ms.

1841-60/37

— - City of Dacca including cantonments. Scale 12" = 1 mile. By N.T. Davey. 1859. Lithographed in 1863. 2 Lithographs. [Old reference - Register No. 12-0-59].

1841-60/97-97A

**DECCAN ARMY** - Sketch of the Encampments of the 1st and 3rd Divisions of the Army of the Deccan [near Oojein]. No Scale. 1817. Ms.

1801-20/58

**DECKAN** - See Deccan.

**DEENANUGGUR** - See Dinanagar.

**DELHI** - Plan of the fortified walls of the city of Dihlee from the Water to the Mooree Bastion besieged and lastly assaulted and taken by the British forces in September 1857. Scale 1" = 30 feet [ Copied in 1857 /. Ms.

1841-60/82

- Delhi 1857. Sheet 84, on scale 1" = about  $2\frac{1}{2}$  furlongs. Sheet 84A, on scale 1" = about  $3\frac{1}{2}$  furlongs. 1857. 2 prints. [ Old reference - Register No. 9-0-21 ].

1841-60/84-84A

- Plan of the city of Delhi showing a portion of its environs and the position of the British Force during the siege and Capture of the place from 8th June to 20th September 1857. Scale 1" = 500 feet. [ 1857 /. Ms. [ Old reference - Register No. 46-0-57 ].

1841-60/87

- Oudh and adjacent Districts showing proposed Zillahs and Commissionerships. Scale 1" = 8 miles. Extract from Map of country between Benares and Delhi. 1857. Lithographed in 1860. Lithograph copy.

1841-60/49

**DELHI FIELD FORCES** - Sketch map to illustrate the marches of the Delhi Field Forces. Scale 1" = 8 miles. [Compiled in 1892]. Ms. [Old reference - Register No.233-0-92].

1841-60/83

**DELHI** - Plan of the British position at Delhi. Scale 4" = 1 mile. [Printed in 1911]. 2 Lithographs.

1841-60/85-85A

**DEPREE, G.C.** - Killah Talcheer, Cuttack Tributary Mahals. Scale 1" = 1 mile. By Lieut. Col. G.H.Saxton and Capt. G.C.Depree. Surveyed in 1853-57 and 1860-61. Copied by Ameer Khan in 1868. Ms. [Old reference - Register No.52-0-61].

1841-60/108

**DERMAPATAM** - Plan of the Line and different works at Tillicherry and the Island of Dermapatam erected during the siege in the years 1778-81. No Scale. 1781. 2 Mss.Sheet 8A, incomplete.

1781-1800/8-8A

**DHANSURI** - Plan of the Southern Boundary of the Province of Durung from the Mungul Dase to the Mora Dhunseeree. Scale 1" = 4 miles. [1824?]. Ms. [Old reference - Register No. 5-0-34].

1821-40/35

- Plan of the Southern Boundary of the Province of Durung from the Mungul Dase to the Dhunseeree. Scale 1" = 1/4 mile. By Lieut. Beddingfield. Copied in 1828. Ms. [Old reference - Register No. 6-0-28].

1821-40/4

**DHAR** - Plan [of] Fort of Dhar. Scale 1" = 30 yards. 1860. Ms. [Old reference - Register No. 63-0-60].

1841-60/74

**DHARWAR** - Plan of Darwar Fort. Scale 1" = 60 yards. 1791. Ms. [Old reference - Register No. 1-0-1791].

1781-1800/3

**DHUNSEEREE** - See Dhansiri.

**DIHLEE** - See Delhi.

DINAGEPOOR - See Dinajpur.

DINAJPUR - Northern Province of Bengal with Bootan, Dinagepoor and Assam frontiers. Scale 1" = 5 miles. By Rennell. 1779. 2 Mss. [Old reference - Register No. 2-0-1779].

1761-80/7-7A

— - Province of Purneah and part of Dinagepoor. Scale 1" = 5 miles. Copied in 1830. Ms. [Old reference - Register No. 12-0-30].

1821-40/7

DINANAGAR - Map of the Road from Buttallah to Deenamuggur. Scale 1" = 1 mile. By C. Balaney. Reduced in 1849. Ms. [Old reference - Register No. 13-0-49].

1841-60/29

DINDIGUL - Dindigul Talook. Scale 1" = 1 mile. [By Thomas Turnbull]. 1816. 14 Mss. [Old reference - Register No. 3-PT-15].

1801-20/22-22U

DIU - [Military map of the Island of Diu] [in Portuguese]. 1833-61. Ms. [Old reference - Register No.48-0-61].

1821-40/16

DOAB [U.P.] - Panoramic Sketch of the Himalaya range as seen from the station of Soorkunda elevated 800 feet above the plains of the Doab. No scale. [1878]. 2 Mss. [Old reference - Register No.6-0-27].

1821-40/30-30A

DUARKA - See Dwarka.

DUNCAN, T.A. - Sketch of Col. Campbell's Route from Cuttack to Pooranaghur in 1848. Scale 1" = 4 miles. By T.A.Duncan. 1848. Ms. [Old reference - Register No.13-0-48].

1841-60/4

DURAND, H.M. - Sketch of Ali Musjid. Scale 1" = 400 feet. By Maj. Geo. Thomson and Lieut. H.M.Durand. Copied in 1840. Ms. [Old reference - Register No.7-0-39].

1821-40/20

**DURAND, H.M.** - Plan and Sections of Ghuznee. Plan Scale 1" = 50-1/7 yards. Section Scale 1" = 50 feet. Surveyed by Lieut. H.M. Durand. Copied by Shekh Mia Jan. 1840. Ms. [Old reference - Register No. 4-0-39].

1821-40/41

**DURUNG** - See Darang.

**DWARKA** - Plan of the Town and Fort of Duarka in Okamandel with a Trigonometrical sketch of the country round about. Scale 1" = 300 yards. 1859. Ms. Tracing.

1841-60/103

**DYER, JOHN** - Plane Table sheet of portion of Hazara. Scale 1" = 2 miles. Surveyed by John Dyer. [1851-56]. Ms. [Old reference - Register No. 26-0-56].

1841-60/91

**EEMDOWDA** - See Indoda.

**FARIDKOT** - Approximate skeleton Index map of Main Circuit Rounds in Fureedkote and Patiala States. Scale 1" = 4 miles. 1847-50. Ms.

1841-60/66

**FARIDPUR** - District Faridpur Main Circuits 4-6.

Scale 1" = 1 mile. Surveyed in 1858-59. Lithographed in 1862. 2 Lithographs. [Old reference - Register No. 50-0-59].

1841-60/100-100A

— - District Faridpur. Main Circuits 2, 8. Scale 1" = 1 mile. Surveyed in 1858-59. Lithographed in 1862. 2 Lithographs. [Old reference - Register No. 49-0-59].

1841-60/101-101A

**FEROZEPOOR** - See Ferozepore.

**FEROZEPORE** - Reconnoitring survey of the Route from Ghuzni by Cabul, Peshawur and Lahore to Ferozepoor. Scale 1" = 4 miles. By Major W. Garden. Copied in 1840. 2 Mss. [Old reference - Register No. 11-0-39].

1821-40/1-1A

**FISHER, THOMAS** - Plan exhibiting part of the Boundary between Siltet and Jynta. Sheet 28, on scale 1" = 1 mile. Sheet 28A, on scale 4" = 1 mile. By Lieut. Thomas Fisher. 1822. 2 Mss. [Old reference - Register No. 4-0-22].

1821-40/28-28A



FISHER [Thomas] - [Map of the Boundary between Sylhet and Jaintia]. Scale 1" = 1 mile. By Lieut. T. Fisher. 1822. Ms. with 1 proof copy. [Old reference - Register No. 4-0-22].

1821-40/44-44A

FORBES, [ ] - Route of Maj. Forbes' Detachment [along Mahanadi River]. Scale 1" 1 mile. By Lieut. C. J. Collins. 1803. Ms. [Old reference - Register No. 4-0-1803].

1801-20/43

FORT WILLIAM - See Calcutta.

FRANCKLIN, W. - Map of the Jungle Therry District containing the March Routes of four successive journeys performed by Lieut. Col. W. Francklin in 1813-20. Scale 1" = 5-4/5 miles. Sheet 6A, copied in 1830. 2 Mss.

1801-20/6-6A

FUREEDKOTE - See Faridkot.

GANGES [RIVER] - The Ganges from Surdah to the Calligonga with the Passage across the Jeels etc. Scale 1" = 5 miles. Published according to Act of Parliament by J. Rennell. June 4, 1780. Printed copy. [Old reference - Register No. 14-0-14].

1801-20/41

**GANGES RIVER** - Section of the Mountain Provinces between the Sutlej and Ganges Rivers. No Scale. By Capt. J.A. Hodges and Lieut. J.D. Herbert. 1818-19. Sheet 45A, copied in 1842. 2 Mss. [Old reference - Register No. 21-0-19].

1801-20/45-45A

**GARDEN, WILLIAM** - Map of the Boundary between the British and Nepaul Dominions from Arrah Nullah to the River Gunduc. Sheet 31, on Scale 1" = 1-1/3 miles. Sheet 31A, on scale 1" = 4 miles. Sheet 31B, on scale 1" = 12 miles. Surveyed by Wm. Garden, 1817. Sheet 31, copied in 1830. Sheets 31A-31B, reduced in 1819. 3 Mss. [Old reference - Register No. 2-0-17].

1801-20/31-31B

**GARDEN, [WILLIAM]** - Map of the Nepaul Boundary. Scale 1" = 8 miles. By Captns. P.W. Grant, W. Garden, Lieuts. J.P. Boileau and J. Pickersgill. 1817. Ms. [Old reference - Register No. 18-0-17].

1801-20/54

**GARDEN, W.** - Reconnoitring survey of the Route from Ghuzni by Cabul, Peshawur and Lahore to Ferozepoor. Scale 1" = 4 miles. By Maj. W. Garden. Copied in 1849. 2 Mss. [Old reference - Register No. 11-0-39].

1821-40/1-1A

**GARDEN, W.** - Plan of the Ghuznee and its surrounding country showing the position of the troops on the 21st, 22nd and 23rd July, 1839. Scale 2" = 1 mile. By Maj. W. Garden. Copied in 1840. Ms. [Old reference - Register No. 9-0-39].

1821-40/39

**GARHWAL** - Sketch of the Boundary between the Mooradabad District and that of Kumaon and Gurhwal as surveyed by the Collector. Sheet 24, on Scale 1" = 800 yards. Sheet 25, on scale 1" = 4 miles. Surveyed in 1826. Sheet 25, reduced and copied in 1826. 2 Mss. [Old reference - Register No. 4-0-26].

1821-40/24-25

- Tracing of the Revenue Survey Boundary adjoining Sheet Nos. 2, 8, 18, 26 and 34 of the G.T. Survey of Kumaon and British Gurhwal. Scale 1" = 1 mile. Sheets 35-35C, of 1851-53. Sheets 35C-35E, of 1868-70. Sheet 35F, not dated. 7 Mss. [Old reference - Register No. 35-0-53].

1841-60/35-35F

**GARLING, JAMES** - Map of the Portuguese territory at Goa showing also the Roads and principal features of the Sattur and Munnaree Districts. Scale 1" = 2 miles. By Lieut. James Garling. 1814. 2 Mss. [Old reference - Register No. 5-PT-14].

1801-20/17-17A

GARLING, J. - Map of the Portuguese Territory of Goa. Scale 1" = 2 miles. By Lieut. J. Garling. 1814. 2 Proof prints. [Old reference - Register No.5-0-12].

1801-20/57-57A

\_\_\_\_ - Map of the Boundary survey between His Highness the Nizam and that of Marathas. Scale 1" = 2 miles. Surveyed by Capt. J. Garling. 1820. Sheet SE is of 1825. 6 Mss. [Old reference - Register No.5-0-20].

1801-20/9-9E

GARLING [JAMES] - Boundary between Nizam's territory and the Maharattas. Scale 1" = 16 miles. By Capt. Garling. 1819-20. 2 Mss. [Old reference - Register No.23-0-19].

1801-20/47-47A

GASTRELL, J. E. - Map of the city of Moorshedabad. Scale 8" = 1 mile. Surveyed by Capt. J. E. Gastrell. 1853-54. 2 Mss. [Old reference - Register No.18-0-54].

1841-60/59-59A

**GAUHATI** - Survey of Gwahatty in Assam and of the adjacent country showing the situations of the different Chokies intended for the protection of the place. Scale 1" = 1500 yards. By Thomas Wood. 1794. 2 Mss. [Old reference - Register No. 1-0-1794].

1781-1800/1-1A

**GAYA** - District Gaya. Scale 1" = 8 miles. 1841-44. Ms. [Old reference - Register No. 6-0-44].

1841-60/9

**GERARD, A.** - Route of J. G. Gerard from Herat to Peshawar. Scale 1" = 8 miles. By Capt. A. Gerard. 1838. Reduced in 1841. Ms. [Old reference - Register No. 16-0-38].

1821-40/2

**GHAZNI** - Plan of the Fortress of Ghuznee. Scale 1" = 100 yards. By W. Fraser Tytler. 1839. Copied in 1840. Ms. [Old reference - Register No. 10-0-39].

1821-40/38

**GHAZNI - Plan of Ghuznee and its surrounding country showing the position of the troops on the 21st, 22nd and 23rd of July, 1839. Scale 2" = 1 mile. By Maj. W. Garden. Copied in 1840. Ms. [Old reference - Register No. 9-0-39].**

1821-40/39

**- Reconnoitring survey of the Route from Ghuzni by Cabul, Peshawur and Lahore to Ferozpoor. Scale 1" = 4 miles. By Maj. W. Garden. Copied in 1840. 2 Mss. [Old reference - Register No. 11-0-39].**

1821-40/1-1A

**- Plan and Sections of Ghuznee. Plan scale 1" = 50-1/7 yards. Section scale 1" = 50 feet. Surveyed by Lieut. H. M. Durand. Copied by Sheikh Mia Jan. 1840. Ms. [Old reference - Register No. 4-0-39].**

1821-40/41

**- Sketch map of the Road between Thull and Ghuznie showing the route by the Paiwar Kothul and down the Shorturgardun through Logar [Valley?]. Scale 1" = 4 miles. By Lieut. P. S. Lumsden. 1858. Sheet 95A, copied in 1859. 2 Mss and 1 Proof copy. [Old reference - Register No. 13-0-53].**

1841-60/95-95B

GHUZNEE - See Ghazni.

GHUZNI - See Ghazni.

GHUZNIE - See Ghazni.

GIROTRI - Map of the Boundary of Eemdownda and Hadowtee Villages made over to Tonk by Ooneara with Bylereee and Girowtee of Ooneara. Scale 1" = 400 yards. 1854. Ms. [Old reference - Register No. 17-0-54].

1841-60/18

GIROWTEE - See Girotri.

GOA - Sketches of Goa, Salsette etc. Scale 1" = 1 mile. 1811. Ms.

1801-20/16

— - A sketch of the Province of Goa. Scale 1" = 4 miles. Surveyed in 1811-12. Ms. [Old reference - Register No. 3-0-12].

1801-20/4

GOA - Map of the Portuguese territory at Goa showing also the Roads and principal features of the Sattur and Munnaree Districts. Scale 1" = 2 miles. By Lieut. James Garling. 1814. 2 Mss. [Old reference - Register No.5-PT-14].

1801-20/17-17A

— - Map of the Portuguese Territory at Goa. Scale 1" = 2 miles. By Lieut. J. Garling. 1814. 2 Sections of Proof prints. [Old reference - Register No.5-0-12].

1801-20/57-57A

GODDARD, THOMAS - Survey of the Route of the Detachment commanded by Col. Thomas Goddard from Calpy to Surat in 1778 and 1779. Surveyed to the city of Boorhampore-Johanabad. Scale 1" = 1 mile. 1778-79. 27 Mss. [Old reference - Register No. 4-0-1779].

1761-80/6A-(1-27)

GODDARD, [THOMAS] - Col. Goddard's Route from Kalpy to the banks of the Nerbuddah River. Scale 1" = 5 miles. 1779. Ms. [Old reference - Register No.4-0-1779].

1761-80/6



GOORDASPOOR - See Gurdaspur.

GORAKHPUR - [Boundary between Nepal, Oudh and Gorakhpur]. Scale 1" = 1 mile = 1830. 6 Mss. [Old reference - Register No. 8-0-30].

1821-40/18-18E

GRANT, P.W. - Map of the Nepaul Boundary. Scale 1" = 8 miles. By Captns. P.W. Grant, W. Garden, Lieuts. J.P. Boileau and J.P. Pickersgill. 1817. Ms. [Old reference - Register No. 18-0-17].

1801-20/54

GREAT TRIGONOMETRICAL SURVEY - Tracings of the Revenue Survey Boundary adjoining sheet Nos. 2, 8, 18, 26 and 34 of the G.T. Survey of Kumaon and British Gurhwal. Scale 1" = 1 mile. Sheets 35-35B, of 1851-53. Sheets 35C-35E, of 1869-70. Sheet 35F, not dated. 7 Mss. [Old reference - Register No. 35-0-53].

1841-60/35-35F

— - Independent Sikkim from a sketch by J.D. Hooker, based on the operations of the Great Trigonometrical Survey. Scale 1" = 4 miles. 1850. Lithographed in 1861. 2 Lithographs. [Old reference - Register No. 55-0-50].

1841-60/64-64A

**GREAT TRIGONOMETRICAL SURVEY - Chamba Territory. Great Trigonometrical Survey of India. Scale 1" = 2 miles. Compiled by W.H.Scott. 1872. 4 Lithographs.**

1841-60/110-110C

**GUNOORGURH FORT - Plan of Gunoorgurh Fort in Bhopal country. Scale 1" = 100 yards. 1860. Ms. [Old reference - Register No.57-0-60].**

1841-60/73

**GURDASPUR - Goordaspoor. Scale 1" = 1 mile. Surveyed by Maj. R.Shortrede, Captn. T.C.Blgrave and Lieut. J.W.B.Blgrave. 1849-53. Sheet 38F is a Proof copy of Section I. 6 Mss. and 1 Proof copy. [Old reference - Register No.75-0-63].**

1841-60/38-38F

**- District Goordaspoor. Sheets 4, 5 and 6. Scale 1" = 1 mile. Surveyed by Maj. R.Shortrede, Captn. T.C.Blgrave and Lieut. J.W.B.Blgrave. 1849-53. Compiled with corrections and additions up to 1869. Sheet 5, 2 copies. 4 Photozincographs.**

1841-60/39-39C

**GURDASPUR** - Map of Purgunnah Butala, District Goordaspoor. Scale 1" = 1 mile. Surveyed by Lieut. J. W. B. Blagrave. 1850-52. Copied in 1869. Ms. [Old reference - Register No. 19-0-52].

1841-60/31

**GURHWAL** - See Garhwal.

**GWAHATTY** - See Gauhati.

**GWALIOR** - Plan of the Fortress of Gwalior showing the position of the proposed new works. Scale 12" = 1 mile. By A. Cunningham. [1846]. Ms.

1841-60/77

**HADOTI** - Map of the Boundary of Eemdownda and Hadowtee villages made over to Tonk by Ooneara with Bylere and Girowtee of Ooneara. Scale 1" = 400 yards. 1854. Ms. [Old reference - Register No. 17-0-54].

1841-60/18

**HADOWTEE** - See Hadoti.

**HAMILTON, G.** - Plan of the city and Fort of Bhurt-pore with the environs. Scale 1" = 10 Chains. By Lieut. G. Hamilton. 1857-58. Copied in 1860. Ms.

1841-60/105

**HANUMANGARH** - Map showing the Purgunahs of ~~Ez~~atner and Anopgurbh with the adjacent Boundaries of the British and Bahawalpur States in illustration of the Report by Captains Jackson and Cunningham. Scale 1" = 4 miles. 1847. Ms.

1841-60/11

**HARADANAHALLI** - Plan of the Fort and environs of Hurdanhully, Heeroor, etc. in Mysore. No scale. 1801-04. 14 Mss.

1801-20/62-62M

**HATTIA** - See Hatia.

**HATIA** - [Map of Bulloah, Chittagong, Hattia, Sundep and the smaller Islands in vicinity]. Scale 1" = 2 miles. 1834-36. Copied in 1839. Ms. [Old reference - Register No. 12-0-39].

1841-60/5

**HAZARA** - Plane Table sheet of portion of Hazara.  
Scale 1" = 2 miles. Surveyed by John Dyer. [1851-56]. Ms. [Old reference - Register No. 26-0-56].

1841-60/91

- Military map of Hazara. Scale 1" = 2 miles.  
Surveyed by Lieut. D. G. Robinson. 1848-49. Re-  
vised by Lieut. Col. A. S. Waugh. 1854-55. 5 Mss.  
[Old reference - Register No. 18-0-55].

1841-60/28-28D

**HERAT** - Route of J. G. Gerard from Herat to Pesha-  
war. Scale 1" = 8 miles. By Capt. A. Gerard.  
1833. Reduced in 1841. Ms. [Old reference -  
Register No. 16-0-33].

1821-40/2

**HERBERT, J. D.** - Section of the Mountain Provinces  
between the Sutlej and Ganges Rivers. No scale.  
By Capt. J. A. Hodges and Lieut. J. D. Herbert.  
1818-19. Sheet 45A, copied in 1842. 2 Mss. [Old  
reference - Register No. 21-0-19].

1801-20/45-45A

**HILL, THOMAS** - Plans of Tinnevely District. 3  
Sheets on Scale 1" = 2000 yards. 15 Sheets on  
Scale 1" = 1000 yards. By Thomas Hill. 18 Mss.  
[Old reference - Register No. 2-PT-13].

1801-20/19-19Q

**HILL TIPPERA** - Sketch of ground showing the relative position between Lalmees Sings Barea and places of the late massacre in that neighbourhood with the boundary line between the British territory and the Rajah of Tipperah [Hill Tippera]. Scale 1" = 2 miles. By Lieut. Maxwell. 1846. Ms. [Old reference - Register No. 12-0-46].

1841-60/36

\_\_\_\_ - Map of the Boundary claimed by the Rajah of Independent Tipperah [Hill Tippera] within the District of Sylhet. Scale 1" = 1 mile. By N.T. Davey. 1850. Copied in 1850. Ms.

1841-60/37

\_\_\_\_ - Boundary between British and Independent Tipperah [Hill Tippera]. Sheet 2, on scale 1" = 1 mile. Sheet 2A, on scale 1" = 4 miles. 1850-58. 2 Mss. [Old reference - Register No. 14-0-58].

1841-60/2-2A

**HIMALAYAS** - Panoramic sketch of Himalaya range as seen from the station of Soorkunda elevated 800 feet above the Plains of the Dooab. No scale. [1818]. 2 Mss. [Old reference - Register No. 6-0-27].

1821-40/30-30A

HODGES, A. - Sketch plan of Baumney with the road and coast to Noacolly. Scale 1" = 1 mile. By Capt. A. Hodges. 1836. Compiled in 1839. Ms. [Old reference - Register No. 8-0-36].

1841-60/6

HODGSON, J.A. - Section of the Mountain Province between the Sutlej and Ganges Rivers. No scale. By Capt. J.A. Hodgson and Lieut. J.D. Herbert. 1818-19. Sheet 45A, copied in 1842. 2 Mss. [Old reference - Register No. 21-0-19].

1801-20/45-45A

- Sketch of the Jumnah between Allahabad and Agra. Scale 1" = 2 miles. By J.A. Hodgson. 1826. 2 Mss. [Old reference - Register No. 8-0-26].

1821-40/27-27A

HONAN - Atlas von China [as surveyed by Jesuit Missionaries] [in German]. By I. Lieferung. 1843. [Contains Title page, 5 pages text, 4 maps of Kiang-sou, Chan-Taung, Honan and Tche-kiang Provinces]. Printed copy. [Old reference - Register No. 11-0-43].

1841-60/94

HOOGHLY RIVER - [Hooghly river between Latitudes  $22^{\circ}$  and  $20^{\circ}.25'$ ]. Scale  $1'' = 1$  mile. 1846-47. 15 Mss. [Old reference - Register No.1-0-47].

1841-60/7-7N

HOOKE, J.D. - Map of Sikkim and Eastern Nepal. Scale  $1'' = 4$  miles. By J.D.Hooker. Copied in 1850. Ms. [Old reference - Register No.17-0-50].

1841-60/24

— - Independent Sikkim from a sketch by J. D. Hooker, based on the operations of the Great Trigonometrical Survey. Scale  $1'' = 4$  miles. 1850. Lithographed in 1861. 2 Lithograph copies. [Old reference - Register No.55-0-50].

1841-60/64-64A

HORNE, FRANCIS - Sketch of the Southern Boundary of the Zillah of the Northern Concan. Scale  $1'' = \frac{1}{2}$  mile. By Francis Horne. Not dated. Ms. [Old reference - Register No.15-0-33].

1821-40/15

HURDANHULLY - See Haradanahalli.



**HYDERABAD - [Western Boundary of Hyderabad.**  
**Scale 1" = 2 miles. 1817-19]. 14 Mss. [Old**  
**reference - Register No.5-0-19].**

1801-20/8-8M

**- Map of the countries ceded by His Highness the**  
**Nizam to the Hon. Company by the Treaty of**  
**Hyderabad. 12th Oct. 1800 with the adjacent Dis-**  
**tricts of the Company's and Mysorean territory.**  
**Scale 1" = 1½ miles. By Lieut. T.Sydenham. 1800.**  
**3 Mss. [Old reference - Register No.4-0-01].**

1801-20/18-18B

**- Boundary between Nizam's Territory and the**  
**Maharattas. Scale 1" = 16 miles. By Capt. Garling.**  
**1818-20. 2 Mss. [Old reference - Register No.23-**  
**0-19].**

1801-20/47-47A

**- Map of the Boundary survey between His High-**  
**ness the Nizam and that of the Marattas. Scale**  
**1" = 2 miles. Surveyed by Capt. J.Garling. 1820.**  
**Sheet 9E, 1825. 6 Mss. [Old reference - Register**  
**No.5-0-20].**

1801-20/9-9E

**INDEX - Approximate skeleton Index map of Main  
Circuit Rounds in Fureedkote and Patiala States.  
Scale 1" = 4 miles. 1847-50. Ms.**

1841-60/66

**— - Index map to the locations at Darjeeling. Scale  
6-1/3" = 1 mile. By Capt. W.S. Sherwill. 1851.  
Lithographed in 1853. Lithograph copy. [Old ref-  
erence - Register No. 14-0-51].**

1841-60/60

**INDIA - Map of the Operations of the Trigonometrical  
survey .... in the Peninsula of India. Scale 1" =  
48 miles. By Lieut. Col. Lambton. 1800-18. Ms.  
[Old reference - Register No. 1-0-18].**

1801-20/52

**— - Plan of the Trigonometrical Operations carried  
on in the Peninsula of India. Scale 1" = 8 miles. By  
Lt. Col. W. Lambton. 1802-1814. Published accord-  
ing to Act of Parliament by J. Horsburgh, Hydro-  
grapher to the Hon. East India Company, London,  
1827. 8 printed sheets. [Old reference - Register  
No. 1-0-14].**

1801-20/49-49G

INDIA - Plan of the Trigonometrical Operations carried on in the Peninsula of India. Scale 1" = 8 miles. By Lt. Col. W. Lambton. 1802-14. 6 Mss. [Old reference - Register No.1-0-14].

1801-20/51-51E

— - [Plan of the Trigonometrical Operations in India]. Scale 1" = 8 miles. By Col. Lamton. 1802-14. 6 Mss. [Old reference - Register No.1-0-14].

1801-20/55-55E

— - Section of the Mountain Provinces between the Sutlej and Ganges Rivers. No scale. By Capt. J.A. Hodgson and Lieut. J.D. Herbert. 1818-19. Sheet 45A, copied in 1842. 2 Mss. [Old reference - Register No.21-0-19].

1801-20/45-45A

— - Index to the Indian Atlas. No scale. Sheets 37 and 37A, published in 1827. Sheet 37B, not dated. 2 Printed copies and 1 Proof.copy.

1821-40/37-37B

**INDIA** - General map of India designed to illustrate the extent of the Great Trigonometrical Survey and of the smaller Triangulations of various detached Surveys as well as the progress of those instituted in the Revenue Department. Scale 1" = 64 miles. Lithographed in 1829. 6 Lithographs. [Old reference - Register No. 1-0-29].

1821-40/16-16F

- Map of India showing the British possessions in 1830. [Scale 1" = 196 miles]. 1830. Proof copy.

1841-60/21R

- Map of the countries North-West of the Frontier of India. Scale 1" = 22 miles. Compiled from the surveys of Lieut. L. Wood and Maj. R. Leech by John Walker. Published in 1841. Inset-map: Map of the countries between Russia, Turkey and India. 2 Printed copies.

1841-60/88-88A

- Map of India showing the British possessions in the year 1750. Scale 1" = 200 miles. By Juland Danvers. Published by Wm. H. Allan & Co., Leadenh...Oct. 17, 1842. Printed copy.

1741-60/2

INDIA - Map of India showing the British possessions in the year 1842. [Scale 1" = 196 miles]. By Juland Danvers. Published in 1842. 2 Printed copies.

1841-60/21-21A

\_\_\_\_ - Sketch map of India showing the Military stations under the Three Presidencies of Bengal, Madras and Bombay. [Scale 1" = 64 miles]. Traced in 1857. Ms.

1841-60/86

\_\_\_\_ - Map [of South-Western part of India] to accompany a History of the Mahratta and Pindari War. Scale 1" = 32 miles. Not dated. Printed layout copy. [Old reference - Register No. 40-0-59].

1841-60/20

INDIAN ATLAS - Index to the Indian Atlas. No scale. Sheets 37-37A, published in 1827. Sheet 37B, not dated. 2 Printed copies and 1 Proof copy.

1821-40/37-37B

INDODA - Map of Boundary of Bemdowda and Hadowtee villages made over to Tonk by Ooneara with Bylereee and Glowtee of Ooneara. Scale 1" = 400 yards. 1854. Ms. [Old reference - Register No. 17-0-54].

1841-60/18

**ISLE DE FRANCE** - Map of the Isle of France [in French]. Scale 1" = 1530 Toises. 1811. Ms. [Old reference - Register No.1-0-11].

1801-20/53

**JABOONA [CREEK, RIVER]** - Part of the Survey of the Sunderbunds having for its Boundaries the Hoogly River on the West, the Juboona Creek on the North, the Juboona River on the East and the Passage through the Sunderbunds called the Balliagot Passage on the South. Scale 1" = 2 miles. By Lieut. W. E. Morrison. 1813. Ms. [Old reference - Register No.2-0-14].

1801-20/42A

**JACKSON, J.N.** - Map of the kingdom of Ava with the countries adjacent showing the present Boundary of the South-East Frontier of Bengal and of the newly acquired territories of the coast of Tenasserim. Scale 1" = 32 miles. Compiled by Maj. J. N. Jackson. 1826. Ms. [Old reference - Register No.3-0-26].

1821-40/11

**JACKSON, L.F.** - Sketch map exhibiting the new Boundary between the States of Bahawalpoor, Bikaner and the British territories as adjusted by the Commissioners in 1844 and 1848. Scale 1" = 4 miles. Sheets 92, 92B, by Capt. L. F. Jackson. Sheet 92, compiled in 1850. Sheet 92A, compiled in 1852. Sheet 92B, copied in 1871. 3 Mss. [Old reference - Register No.12-0-48].

1841-60/92-92B

JACKSON, L.F. - Survey showing a portion of the Boundary between Sind and Jodhpoor demarcated in 1849. Sheet 12, on scale 1" = 4 miles. Sheet 12A, on scale 1" = 8 miles. By Capt. L.F. Jackson and Lieut. J.R. Becher, Boundary Commissioners. 1849. 2 Mss. [Old reference - Register No. 12-0-49].

1841-60/12-12A

JACKSON, P. - Sketch of the British Settlement of Singapore according to the Treaty of the 2nd August, 1824. Scale 1" = 2 miles. By Lieut. P. Jackson. 1824. Sheet 9A, copied in 1843. 2 Mss. [Old reference - Register No. 4-0-24].

1821-40/9-9A

JACKSON, [ ] - Map showing the Purgunahs of Bhutner (Hanumangarh) and Anopgurh with the adjacent Boundaries of the British and Bahawalpoor States in illustration of the Report by Captains Jackson and Cunningham. Scale 1" = 4 miles. 1847. Ms.

1841-60/11

JACOB, J. - Sketch of the Fortress of Bukhur with the British Camp in its vicinity. Scale 1" = 90 yards. By Lieut. J. Jacob. 1839. Copied by S. Jamaloddeen. Ms. [Old reference - Register No. 2-0-39].

1821-40/40

**JAFARSHAHI** - Province of Bettoriah or Northern Division of Rajeshy with purgunnahs of Attyah, Caugmahry, Pookarya, Patladah, Burhazzo, Shilberis, Jaffiersi and Luskerpoor. Scale 1" = 5 miles. Surveyed by J. Rennell in 1769-1771. Sheet 3B, copied in 1840. 3 Mss. [Old reference - Register No. 1-0-1771].

1761-80/3-3B

**JAFFIERSI** - See Jafarshahi.

**JAHANABAD** - Survey of the Route of the Detachment commanded by Col. Thomas Goddard from Calpy to Surat in 1778 and 1779. Surveyed to the city of Borhanpore-Johanabad. Scale 1" = 5 miles. 1778-79. 27 Mss.

1761-80/6A(1-27)

**JAINTIA** - Plan exhibiting part of the Boundary between Silhet and Jynta. Sheet 28, on scale 1" = 1 mlie. Sheet 28A, on scale 4" = 1 mile. By Lieut. Thomas Fisher. 1822. 2 Mss. [Old reference - Register No. -0-22].

1821-40/28-28A

— - [Map of the Boundary between Sylhet and Jaintia]. Scale 1" = 1 mile. By Lieut. T. Fisher. 1822. Ms with 1 Proof copy. [Old reference - Register No. 4-0-22].

1821-40/44-44A



**JAIPUR** - Map of the Boundary of Dah of Tonk with Ooneara and other villages of Jeypore. Scale 1" = 400 yards. By Jenkins. 1854. Ms. [Old reference - Register No.15-0-54].

1841-60/16

**JAISALMER** - Landscape sketches of Jodhpoor, Beekanner and Jesulmer. No scale. By Lieut. A.H.E. Boileau. 1835. 4 Mss. [Old reference - Register No.5-0-35].

1821-40/36-36C

**JALALPUR** - Route from Jelalpoor to Mitta. No. 2. Scale 1" = 2 miles. By Lieut. Tucker. 1850. Copied in 1850. Ms. [Old reference - Register No.13-0-50].

1841-60/30

**JAMALODDEEN, S.** - Sketch of the Fortress of Bukhur with the British Camp in its vicinity. Scale 1" = 50 yards. By Lieut. J.Jacob. 1839. Copied by S.Jamaloddeen. Ms. [Old reference - Register No.2-0-39].

1821-40/40

**JAMES, JOSEPH** - Survey of that part of the Boundary between the British and Jamoo territories from the Ravi [River] to the Jhilam [River]. Sheet 22, on scale 1" = 1 mile. Sheet 23, on scale 1" = 4 miles. Surveyed by Lieut. D. G. Robinson and H. B. Talbot, Joseph James and I. T. Platts. 1850-51. Sheet 23, reduced in 1852. 2 Mss. [Old reference - Register No. 12-0-51].

1841-60/22-23

**JAMOO** - See Jammu.

**JAMMU** - Survey of that part of the Boundary between the British and Jamoo territories from the Ravi [River] to the Jhilam [River]. Sheet 22, on scale 1" = 1 mile. Sheet 23, on scale 1" = 4 miles. Surveyed by Lieut. D. G. Robinson and H. B. Talbot, Joseph James and I. T. Platts. 1850-51. Sheet 23, reduced in 1852. 2 Mss. [Old reference - Register No. 12-0-51].

1841-60/22-23

----- - Extract from the Map of the Jamoo, Kashmir and adjacent Districts. Surveyed by Capt. T. G. Montgomerie. 1856-60. Scale 1" = 4 miles. Extract taken by Maj. J. T. Walker. 1861. Ms.

1841-60/65

**JAMMU** - Jamoo, Kashmir and adjacent Districts.

Scale 1" = 4 miles. By Capt. T.G. Montgomerie.  
1856-60. Lithographed in 1861. Inset map -

'Srinagar or City of Kashmir and environs'.

Scale 1" = 1 mile. 8 Lithographs. [Old reference  
- Register No. 62-0-60].

1841-60/63-68G

- Dominions of H.H. Ranbir Singh. Jamoo territories. Scale 1" = 2 miles. 1857-60. Compiled in 1865. Sheets 70-70A, published in 1871. Sections II and III, published in 1870. 6 Photozincographs.

1841-60/70-70E

- Dominions of H.H. Ranbir Singh. Jamoo territories. Scale 1" = 2 miles. Surveyed by Capt.

T.G. Montgomerie. 1857-60. Compiled in 1865.

3 Mss. [Old reference - Register No. 71-0-60].

1841-60/109-109B

**JELALPOOR** - See Jalalpur.

**JENKINS**, [ ] - Map of the Boundary of Dah of Tonk with Ooneara and other villages of Joypore.

Scale 1" = 400 yards. By Jenkins. 1854. Ms.

[Old reference - Register No. 15-0-54].

1841-60/16

JENKINS, [ ] - Map of the Boundary of Chorea of Tonk with Bunetta of Ooneara. Scale 1" = 400 yards. By Jenkins. 1854. Ms. [Old reference - Register No. 16-0-54].

1941-60/17

JERUSALEM - Ancient Jerusalem, the city of God. No scale. 1848. Photozincograph. [Old reference - Register No. 11-0-48].

1841-60/93

JESSORE - Provinces of Kishenagur, Jessore, Boosnah and Mahmudshi with part of Dacca and Rajshy. Scale 1" = 5 miles. Surveyed by Rennell, Martin and Richards. 1764-1772. 2 Mss. [Old reference - Register No. 1-0-72].

1761-80/1-1A

JESULMER - See Jaisalmer.

JEYPOOR - See Jaipur.

JHANSEE - See Jhansi.

JHANSI - Plan of the city of Jhansee. Scale 1" = 4 chains. By H. L. Pemberton. 1858-59. Ms. [Old reference - Register No. 31-0-59].

1841-60/45

JHELUM - [Boundary between Jhelum and Rawalpindi Districts]. Scale 1" = 1 mile. [1857-59]. 6 Mss. [Old reference - Register No. 30-0-59].

1841-60/33-39E

- Districts of Jhilmam and Shahpoor. Scale 1" = 1 mile. By Capt. D.G. Robinson. 1857-59. 4 Lithographs. [Old reference - Register No. 32-0-59].

1841-60/90-90C

JHELUM [RIVER] - Survey of that part of the Boundary between the British and Jamoo territories, from the Ravi [River] to Jhilmam [River]. Sheet 22, on scale 1" = 4 miles. Surveyed by Lieut. D.G. Robinson and H.B. Talbot, Joseph James and I.T. Platts. 1850-51. Sheet 23, reduced in 1852. 2 Mss. [Old reference - Register No. 12-0-51].

1841-60/22-23

JHILAM - See Jhelum.

JODHPOOR - See Jodhpur.

**JODHPUR** - Landscape sketches of Jodhpoor, Beekaner and Jesulmer. No scale. By Lieut. A.H. E. Boileau. 1835. 4 Mss. [Old reference - Register No.5-0-35].

1821-40/36-36C

— - Survey showing a portion of the Boundary between Sind and Jodhpoor demarcated in 1849. Sheet 12, on scale 1" = 4 miles. Sheet 12A, on scale 1" = 8 miles. By Capt. L.F. Jackson and Lieut. J.R. Becher, Boundary Commissioners. 1849. 2 Mss. [Old reference - Register No.12-0-49].

1841-60/12-12A

**JOHANABAD** - See Jahanabad.

**JONES**, [ ] - Surveys taken with the Division of the Bombay Army under the command of Maj. Genl. Jones during the war against Jeswunt Row Holker in 1804-05. Scale 1" =  $13\frac{1}{2}$  miles. By Capt. William Cowper. 1804-05. 3 Mss. [Old reference - Register No.1-0-5].

1801-20/46-46B

**JOSEPH, CHARLES** - Map of the Danish Settlement of Seerampoor including the Lands of Pearapore dependent thereon, situated in the Province of Bengal on the West bank of the Hooghly River. Scale 1" = 170 yards. Surveyed by Charles Joseph. 1842. Sheet 58A, copied in 1843. 2 Mss.

1841-60/58-58A

JUBOONA - See Jaboona.

JUMNAH [RIVER] - See Jumna River.

JUMNA RIVER - Sketch of the Jumnah between Allahabad and Agra. Scale 1" = 2 miles. By J.A. Hodgson. 1826. 2 Mss. [Old reference - Register No. 8-0-26].

1821-40/27-27A

JUNGLETERRY - Map of Boglipour, Monghir and the Jungleterry Districts in general including also the Passes of Birboom and Rajemal. Scale 1" = 5 miles. Surveyed in 1775. Sheet 5B, copied in 1842. 3 Mss. [Old reference - Register No. 1-0-1775].

1761-80/5-5B

— - Map of the Jungle Therry District [Santal Parganas] containing the March Routes of four successive journeys performed by Lieut. Col. W. Francklin in 1818-20. Scale 1" = 5-4/5 miles. Sheet 6A, copied in 1830. 2 Mss.

1801-20/6-6A

JUNGLE THERRY - See Jungleterry.

JYNTA - See Jaintia.

**KABUL** - Reconnoitring Survey of the Route from Ghuzni by Cabul, Peshawur and Lahore to Ferozepoor. Scale 1" = 4 miles. By Maj. W. Garden. Copied in 1840. 2 Mss. [Old reference - Register No. 11-0-39].

1821-40/1-1A

**KAGMARI** - Province of Bettoriah or Northern Division of Rajeshy with the Purgunnahs of Attyah, Caugmahry, Pookarya, Patladah, Burhazzo, Shilberis, Jaffiersi and Luskerpoor. Scale 1" = 5 miles. Surveyed by J. Rennell in 1768-1771. Sheet 3B, copied in 1840. 3 Mss. [Old reference - Register No. 1-0-1771].

1761-80/3-3B

**KALIGANGA RIVER** - The Ganges from Surdah to the Colligonga [river] with the Passage across the Jeels etc. Scale 1" = 5 miles. Published according to Act of Parliament by J. Rennell, June 4, 1780. Printed copy. [Old reference - Register No. 14-0-14].

1801-20/41

**KALPI** - Survey of the Route of the Detachment commanded by Col. Thomas Goddard from Calpy to Surat in 1778 and 1779. Surveyed to the city of Boorhanpore-Johanabad. Scale 1" = 1 mile. 1778-79. 27 Mss. [Old reference - Register No. 4-0-1779].

1761-80/6A (1-27)



**KALPI** - Col. Goddard's Route from Kalpy to the banks of the Narbuddah River. Scale 1" = 5 miles. 1778. Ms. [Old reference - Register No. 4-0-1778].

1761-80/6

**KALPY** - See Kalpi.

**KANDAHAR** - Plan of Kandahar. Scale 1" = 200 yards. By W. Fraser Tytler. 1839. Copied in 1840. Ms. [Old reference - Register No. 3-0-39].

1821-40/42

**KANDAPADA** - Killah [Fort] Kandapada, Cuttack Tributary Mehals. Scale 1" = 1 mile. By Capt. G.H. Saxton. 1852-53. Ms. [Old reference - Register No. 32-0-53].

1841-60/3

**KARIKAL** - Map of Carikal and its District reduced from the original map of the country of Tanjore. Scale 1" = 4 miles. Reduced in 1810. Ms. [Old reference - Register No. 1-0-10].

1801-20/11

— - Map of the District of Caricaul. Scale 1" = 1 mile. Compiled in 1816. Sheet 12A, copied in 1820. 2 Mss. [Old reference - Register No. 4-0-16].

1801-20/12-12A

**KASHMIR** - Map of the Districts of Rukchu, Lahul and Piti showing the Boundary between the territories of Maharaja Gulab Singh [Kashmir] and British India. Scale 1" = 4 miles. By Capt. A. Cunningham. 1846. Copied in 1848. Ms. [Old reference - Register No. 11-0-46].

1841-60/34

— - Extract from the Map of the Jamoo, Kashmir and adjacent Districts. Surveyed by Capt. T.G. Montgomerie. 1856-60. Scale 1" = 4 miles. Extracts taken by Maj. J.T. Walker. 1861. Ms.

1841-60/65

— - Jamoo, Kashmir and adjacent Districts. Scale 1" = 4 miles. By Capt. T.G. Montgomerie. 1858-60. Lithographed in 1861. Contains an Inset map: 'Srinagar or City of Kashmir and environs. Scale 1" = 1 mile'. 8 Lithographs. [Old reference - Register No. 62-0-60].

1841-60/68-68G

— - Skeleton map of the Kashmir Province. Scale 1" = 8 miles. By T.G. Montgomerie. 1856-60. Ms. [Old reference - Register No. 74-0-60].

1841-60/67

**KASHMIR - Kashmir. Scale 1" = 4 miles. Surveyed by Capt. T.G. Montgomerie. 1856-60. Printed copy. [Old reference - Register No.73-0-60].**

1841-60/69

\_\_\_\_ - Map of Kashmir with part of adjacent mountains. Scale 1" = 2 miles. Surveyed by Capt. T.G. Montgomerie. 1855-57. Lithographed in 1859. Contains an Inset map - 'Kashmir Route map. Scale 1" = 32 miles'. 4 Lithographs. [Old reference - Register No.48-0-57].

1841-60/80-80C

\_\_\_\_ - Kashmir Route map. Scale 1" = 32 miles. Compiled by Capt. T.G. Montgomerie. 1860. Sheet 78, Ms. Sheet 78A, Proof copy. [Old reference - Register No.72-0-60].

1841-60/78-78A

\_\_\_\_ - [Map of a portion of Kashmir. No scale. Not dated. 2 Heliozincographs].

1841-60/71-71A

**KHANDEISH** - See Khandesh.

**KHANDESH** - Map of Malwa, Khandeish and part of Behar with a part of Bundelcund and Bogailcund. Scale 1" = 16 miles. 1815. Sheet 39A, copied in 1817. 2 Mss. [Old reference - Register No.1-0-15].

1801-20/39-39A

— - [Portions of Khandesh, Central India and Central Provinces. Scale 1" = 4 miles. 1816-18]. 8 Mss. [Old reference - Register No.2-0-18].

1801-20/7-7G

**KIANGSOU** - See Kiangsu.

**KIANGSU** - Atlas von China [as surveyed by Jesuit Missionaries] [in German]. By I. Lieferung. 1843. [Contains title page, 5 pages text, 4 maps of Kiang-sou, Chan-taung, Ho-nan and Tche-Kiang Provinces]. Printed copy. [Old reference - Register No.11-0-43].

1841-60/94

**KISHENAGUR** - See Krishnagar.

**KONKAN** - North Konkun. No.2. Survey of the Mahim Purgunnas and parts of the Seereegaon, Tarapoor, Cheechun and Mannoor Turrufs. Scale 1" = 2 miles. Surveyed by W. Bertie. 1833. Sheet 8A, copied in 1835. 2 Mss. [Old reference - Register No.11-PT.33].

1821-40/8-8A

— - Sketch of the Southern Boundary of the Zillah of the Northern Concan. Scale 1" =  $\frac{1}{2}$  mile. By Francis Horne. Not dated. Ms. [Old reference - Register No.15-0-33].

1821-40/15

**KONKUN** - See Konkan.

**KOOSTEE** - See Kushtia.

**KOTAE** - See Kothi.

**KOTAH** - Plan of the city and fortifications of Kotah and the surrounding country showing the plan of attack ... under Maj. Gen. Roberts. Scale 1" = 270 yards. 1858. 2 Mss.

1841-60/102-102A

**KOTHI** - Sketch of the Boundary between Kotae and Rewah States as settled by Panchayet. Scale 1" = 2 furlongs. 1838. Copied in 1838. Ms. [Old reference - Register No.21-0-38].

1821-40/13

**KRISHNAGAR** - Provinces of Kishenagur, Jessore, Boosnah and Mahmudshi with part of Dacca and Rajshahy. Scale 1" = 5 miles. Surveyed by Rennell, Martin and Richards. 1764-72. 2 Mss. [Old reference - Register No. 1-0-72].

1761-80/1-1A

**KUMAON** - See Kumaun.

**KUMAOON** - See Kumaun.

**KUMAUN** - Trigonometrical outline of a survey of the Province of Kumaon. Scale 1" = 5-5/8 miles. By W.S. Webb [1821 ?]. Ms. [Old reference - Register No. 6-0-21].

1821-40/32

— - Sketch of the Boundary between the Moradabad District and that of Kumaon and Gurhwal as surveyed by the Collector. Sheet 24, on scale 1" = 800 yards. Sheet 25, on scale 1" = 4 miles. Surveyed in 1826. Sheet 25, reduced and copied in 1828. 2 Mss. [Old reference - Register No. 4-0-26].

1821-40/24-25

— - Tracings of the Revenue Survey Boundary adjoining sheets 2, 8, 18, 26 and 34 of the G.T. Survey of Kumaon and British Garhwal. Scale 1" = 1 mile. Sheets 35-35B, of 1851-53. Sheets 35C-35E, of 1869-70. Sheet 35F, not dated. 7 Mss. [Old reference - Register No. 35-0-53].

1841-60/35-35F

**KUNHYA LALL** - City of Lahore [in English and Urdu]. Scale 12" = 1 mile. Surveyed by Kunhya Lall. 1853. Ms. [Old reference - Register No. 25-0-53].

1841-60/96

**KURUNGOTTE** - The Kurungottee District and the adjacent French territory. Scale 1" = 3 furlongs. Surveyed by Lieut. Monier Williams. 1802. Sheets 26B-26C, of 1816. Sheet 26D, copied in 1817. 5 Mss. [Old reference - Register No. 3-0-1802].

1801-20/26-26D

**KURUNGOTTEE** - See Kurungotte.

**KUSHTIA** - E. B. Railway. Section map showing the line from Calcutta to Koostee. Scale 1" = 1 mile. 1857. Ms [with a letter addressed to Thuillier, dated 18.4.59]. [Old reference - Register No. 2-0-59].

1841-60/57

**KUTTACK** - See Cuttack.

**LAHORE** - Reconnoitring Survey of the Route from Ghuzni by Cabul, Peshawar and Lahore to Ferozepoor. Scale 1" = 4 miles. By Maj. W. Garden. Copied in 1840. 2 Mss. [Old reference - Register No. 11-0-39].

1821-40/1-1A

**LAHORE** - City of Lahore [in English and Urdu].  
 Scale  $12'' = 1$  mile. Surveyed by Kunhya Lall. 1853.  
 Ms. [Old reference - Register No.25-0-53].

1841-60/96

**LAHUL** - Map of the District of Rukchu, Lahul and Piti showing the Boundary between the territories of Maharaja Gulab Singh [Kashmir] and British India. Scale  $1'' = 4$  miles. By Capt. A. Cunningham. 1846. Copied in 1848. [Old reference - Register No.11-0-46].

1841-60/34

**LAMBTON, [W]** - Map of the Operations of the Trigonometrical Survey ... in the Peninsula of India. Scale  $1'' = 48$  miles. By Lt. Col. Lambton. 1800-18. Ms. [Old reference - Register No.1-0-18].

1801-20/52

— - Plan of the Trigonometrical Operations carried on in the Peninsula of India. Scale  $1'' = 8$  miles. By Lt. Col. W. Lambton. 1802-14. 6 Mss. [Old reference - Register No.1-0-14].

1801-20/51-51E

— - Plan of the Trigonometrical Operations in India. Scale  $1'' = 8$  miles. By Col. Lambton. 1802-14. 6 Mss. [Old reference - Register No.1-0-14].

1801-20/53-55E



LAMBTON, W. - Plan of the Trigonometrical Operations carried on in the Peninsula of India. Scale 1" = 8 miles. By Lt. Col. W. Lambton. 1802-14. Published according to Act of Parliament by J. Horsburg, Hydrographer to the Hon. East India Company, London, 1827. 8 Printed copies [Old reference - Register No. 1-0-14].

1801-20/49-49G

LEECH, R. - Map of the Countries North-West of the Frontier of India. Scale 1" = 22 miles. Compiled from the surveys of Lieut. I. Wood and Maj. R. Leech by John Walker. Published in 1841. Inset map - Map of the countries between Russia, Turkey and India. 2 Printed copies.

1841-60/88-88A

LIEFERUNG, I. - Atlas von China [as surveyed by Jesuit Missionaries] [in German]. By I. Lieferung. 1843. [Contains Title page, 5 pages text, 4 maps of Kiang-sou, Chan-taung, Ho-nan and Tche-Kiang Provinces]. Printed copy. [Old reference - Register No. 11-0-43].

1841-60/94

LOGAR [VALLEY] - Sketch map of the Road between Thull and Ghuznie showing the Route by the Paiwar Kothul and down the Shoturgurdun through Logar [valley]. Scale 1" = 4 miles. By Lieut. P. S. Lumsd 1858. Sheet 95A, copied in 1859. 2 Mss and 1 Proof copy. [Old reference - Register No. 13-0-58].

1841-60/95-95B

LOGUR [VALLEY] - See Logar [Valley].

LUCKNOW - General plan of the operations at Lucknow in 1857. Scale 1" = 800 feet. By J. May. [1857]. Printed copy.

1841-60/42

\_\_\_\_ - City and environs of Lucknow showing the Plan of military operations and the Routes followed by the British Army in relieving the Residency in November 1857 and in taking the city in March 1858. Scale 3" = 1 mile. Based on Military records and the Revenue Survey of the city of Lucknow and Environs in 1862-63 and 1865-66. Photozincographed copy with 8 Proof copies.

1841-60/43-43H

\_\_\_\_ - Plan of the entrenched position of the British garrison at Lucknow. Scale 1" = 400 feet. 1857. 2 Mss. [Old reference - Register No. 45-0-57].

1841-60/43-43A

\_\_\_\_ - City and Environs of Lucknow. Scale 2" = 1 mile. By Brig. R. Napier. [1859]. Ms. [Old reference - Register No. 29-0-59].

1841-60/46

**LUCKNOW** - Plan of the City of Lucknow. Scale 12" = 1 mile. Surveyed by Charles. 1859. Reduced in 1860. 16 Mss.

1841-60/41-41'O'

\_\_\_\_ Plan of the City of Lucknow. Scale 6" = 1 mile. 1859. Reduced in 1861. Ms.

1841-60/44

\_\_\_\_ - City of Lucknow. Scale 6" = 1 mile. By Maj. W.A.Crommelin. 1858. Lithographed in 1861. Lithograph copy. [Old reference - Register No.27-0-59].

1841-60/44A

\_\_\_\_ - [City of Lucknow]. Scale 1" = 800 feet. Not dated. Ms. [Old reference - Register No.28-0-59].

1841-60/47

**LUCKNOW, TREATY OF** - Map of the countries ceded by His Highness the Nawaub of Oude to the Hon. East India Company agreeably to the Treaty of Lucknow concluded Nov. 10, 1801. Scale 1" = 16 miles. By Maj. R.H.Colebrooke. Sheets 37-37A, not dated. Sheet 37B, of 1802. Sheet 37C, with corrections and improvements, 1804. 4 Mss. [Old reference - Register No.7-0-1802].

1801-20/37-37C

**LUMSDEN, P.S.** - Sketch map of the Road between Thull and Ghuznie showing the Route by the Paiwar Kothul and down the Shooturgurdun through Logur [Valley]. Scale 1" = 4 miles. By Lieut. P.S. Lumsden. 1858. Sheet 85A, copied in 1858. 2 Mss and 1 Proof copy. [Old reference - Register No. 13-0-58].

1841-60/85-85B

**LUSKARPUR** - Province of Bettoriah or Northern Division of Rajeshy with Purgunnahs of Attyah, Caugmahry, Pookarya, Patladah, Burhazzo, Shilberis, Jaffiersi and Luskerpoor. Scale 1" = 5 miles. Surveyed by J. Remell. 1768-1771. Sheet 3B, copied in 1840. 3 Mss. [Old reference - Register No. 1-0-1771].

1761-80/3-3B

**LUSKERPOOR** - See Laskarpur.

**MACDONALD, J.** - Plan of Rohree, Sukkur and Fort Bukkur. Sheets 104-104A, on scale 1" = 1 furlong. Sheet 104B, on scale 6" = 1 mile. By Lieut. J. Macdonald. 1856. 2 Mss and 1 Silver print.

1841-60/104-104B

**MACKENZIE, C.** - Survey of the Districts of Nidigul and Pawgur belonging to Mysore, of part of the Districts of Amrapoor, Margee-Sera, Pennaconda and Ruttingerry belonging to the ceded Districts and their

Boundary with Madageasy, Mudgerry and Serah belonging to Mysore. Scale 1" = 1 mile. By Capt. C. Mackenzie. 1801. Compiled in 1803. Ms. [Old reference - Register No. 3-0-1801].

1801-20/48

**MACKENZIE, C.** - A General map of the Northern and Eastern Provinces of Mysore with the boundaries of the several Purgunnahs laid down according to the Treaty of Partition of June 1799. Scale 1" = 4 miles. Surveyed by Maj. C. Mackenzie. 1803. 2 Mss. [Old reference - Register No. 3-0-1803].

1801-20/28-28A

- Plan explanatory of the Districts interchanged between E. India Company and the Rajah of Mysore and the Nizam according to the Schedules annexed to the Treaty of Mysore in 1799, the Treaty of Hyderabad in 1800 and the supplementary Treaty with the Rajah of Mysore concluded on the 29th of Dec. 1803. Scale 1" = 12 miles. By C. Mackenzie. 1806. Ms. [Old reference - Register No. 1-0-1806].

1801-20/29A

- Sketch of the Maratta District of Soondoor exhibiting its situation in regard to the Company's Ceded Districts. Scale 1" = 12 miles. By C. Mackenzie. 1816. 2 Mss. 1 Photocopy.

1801-20/40-40B

**MADAGEESY** - Survey of the Districts of Nidigul and Pawgur belonging to Mysore, of part of the Districts of Amrapoor, Margee-Sera, Pennaconda, and Ruttingerry belonging to the Ceded Districts and their Boundary with Madageesy, Mudgerry and Serah belonging to Mysore. Scale 1" = 1 mile. By Capt. C. Mackenzie. 1801. Compiled in 1803. Ms. [Old reference - Register No. 3-0-1801].

1801-20/48

**MADRAS** - Map of the Environs of Madras. Scale 4" = 1 mile. Compiled in 1834. Copied in 1837. Ms. [Old reference - Register No. 15-0-54].

1821-40/17

— - Sketch map of India showing the Military Stations under the three Presidencies of Bengal, Madras and Bombay. [Scale 1" = 64 miles]. Traced in 1857. Ms.

1841-60/86

**MAHANADI RIVER** - Route of Maj. Forbes's Detachment [along Mahanadi River]. Scale 1" = 1 mile. By Lieut. C. J. Collins. 1803. Ms. [Old reference - Register No. 4-0-1803].

1801-20/43

**MAHE** - Sketch of the Neighbourhood of Mahe. Scale  
1" = 3 furlongs. 1802. Ms.

1801-20/27

**MAHESHWAR FORT** - Plan of Mheysir Fort in Holkar's  
territory. Scale 1" = 100 yards. 1860. Ms. [Old  
reference - Register No. 59-0-60].

1841-60/76

**MAHIM** - North Konkun. No. 2. Survey of the Mahim  
Purgunna and parts of the Seereegaon, Tarapoor,  
Cheechun and Munnoor Turrufs. Scale 1" = 2 miles.  
Surveyed by W. Bertie. 1833. Sheet 8A, copied in  
1835. 2 Mss. [Old reference - Register No. 11-PT-  
33].

1821-40/8-8A

**MAHMUDSHI** - See Jessore.

**MALDA** - Map of the District of Purneah and the Joint  
Magistracy of Maulda. Scale 1" = 5 miles. Compiled  
from Maj. Rennell's maps. 1837. Ms.

1821-40/33

**MALWA** - Map of Malwa, Khandeish and part of Behar  
with a part of Bundelcund and Bogailcund. Scale 1" =  
16 miles. 1815. Sheet 39A, copied in 1817. 2 Mss.  
[Old reference - Register No. 1-0-15].

1801-20/38-39A

**MANARI** - Map of Portuguese territory at Goa showing also the Roads and Principal features of Sattur and Munnaree Districts. Scale 1" = 2 miles. By Lieut. James Garling. 1814. 2 Mss. [Old reference - Register No.5-PT-14].

1801-20/17-17A

**MANGALDAI** - Plan of the Southern Boundary of the Province of Durung from the Mungul Dace to the Mora Dhunseeree. Scale 1" = 4 miles. [1824?]. Ms. [Old reference - Register No.5-0-24].

1821-40/35

- Plan of the Southern Boundary of the Province of Durung from the Mungul Dace to the Dhunseeree. Scale 1" = 1/4 mlie. By Lieut. Bedingfield. Copied in 1828. Ms. [Old reference - Register No.6-0-28].

1821-40/4

**MANGALORE FORT** - Map of Mangalore Fort. No scale. 1784. Ms.

1781-1800/7

**MANICKPOOR** - See Manikpur.



**MANIKPUR** - Survey of the Road from All Ghad to Partaubghur, from Partaubghur to Manickpoor, and also of that part of the Eastern Boundary from the River Ganges to near the Goomty River, between the territories of His Highness the Nawaub of Oude and those lately ceded to the Hon. Company. Scale 1" = 1 mile. By Lieut. H.C. Smith. 1802-03. Ms.

1801-20/38

**MANIPUR** - Map of the territory of Munneepoor and part of Arracan. Scale 1" = 16 miles. By Lieuts. Crommelin and Pemberton. [1825-30?]. 5 Mss. [Old reference - Register No. 6-0-25].

1821-40/10-10D

**MANNAR** - North Konkun. No. 2. Survey of the Mahim Purgunna and parts of the Seereegaon, Tarapoor, Cheechun and Munnoor Turrufs. Scale 1" = 2 miles. Surveyed by W. Bertie. 1833. Sheet 8A, copied in 1835. 2 Mss. [Old reference - Register No. 11-PT-33].

1821-40/8-8A

**MARGEESERA** - Survey of the Districts of Nidigul and Pawgur belonging to Mysore, of part of the Districts of Amrapoor, Margee-Sera, Pennaconda, and Ruttin-gerry belonging to the Ceded Districts and their Boundary with Madageesy, Mudgerry and Serah belonging to Mysore. Scale 1" = 1 mile. By Capt. C. Mackenzie. 1801. Compiled in 1803. Ms. [Old reference - Register No. 3-0-1801].

1801-20/48

**MARTIN, [ ]** - Provinces of Kishenagar, Jessore, Boesnab and Mahmudshi with part of Dacca, and Rajshy. Scale 1" = 5 miles. Surveyed by Rennell, Martin and Richards in 1764-1772. 2 Mss. [Old reference - Register No.1-0-72].

1761-80/1-1A

**MARWAR** - Sketch map compiled to illustrate a Report on a portion of the Sind and Marwar Frontier. Sheet 13, on scale 1" = 8 miles. Sheet 13A, on scale 1" = 4 miles. By Lieut. Becker, Boundary Commissioner. 1850. 2 Mss. [Old reference - Register No.14-0-50].

1841-60/13-13A

**[ ]** - Sketch of the Boundary between the States of Marwar, Palhanpoor, Thurrad and Vow. Sheet 15, on scale 1" = 1 mile. Sheets 15A, and 15B, on scale 1" = 4 miles. Surveyed by Capt. John C. Brooke. 1853. Sheet 15, reduced in 1855. Sheet 15B, is an index. 3 Mss. [Old reference - Register No.31-0-53].

1841-60/15-15B

**MASULIPATAM** - Map of the Fort and Town of Masulipatam with the adjacent country. Scale 5" = 1 mile. 1818. 2 Mss.

1801-20/60-60A

MARTIN, [CLAUD] - Southern part of Dacca and low lands of Tipperah with the Islands in the mouth of the Ganges. Scale 1" = 5 miles. Surveyed by Rennell, Ritchie, Martin and Richards. 1764-75. Copied in 1839. Ms. [Old reference - Register No.164-0-73].

1761-80/9

- Rungpour, Rangamatty, Coosbahar with the adjacent Purgumahs of Baharbund and Bitterbund and a part of Bootan. Scale 1" = 5 miles. Surveyed by Rennell and Martin. 1779. 2 Mss. [Old reference - Register No.1-0-1779].

1761-80/8-8A

MATTA - Route from Jelalpoor to Mitta. No.2. Scale 1" = 2 miles. By Lieut. Tucker. 1850. Copied in 1850. Ms. [Old reference - Register No.13-0-50].

1841-60/30

MAULDA - See Malda.

MAXWELL, [ ] - Sketch of ground showing the relative position between Lamlee Sing's Baree and places of the late massacre in that neighbourhood with the boundary line between the British territory and Rajah of Tipperah [Hill Tippera]. Scale 1" = 2 miles. By Lieut. Maxwell. 1846. Ms. [Old reference - Register No.12-0-46].

1841-60/36

**MAY, J.** - General plan of the operations at Lucknow in 1857. Scale 1" = 800 feet. By J. May. [1857].  
Printed copy.

1841-60/42

**MHEYSIR FORT** - See Maheshwar Fort.

**MIA JAN, SHEKH** - Plan and Sections of Ghuznee. Plan scale 1" = 50-1/7 yards. Section scale 1" = 50 feet. Surveyed by Lieut. H. M. Durand. Copied by Shekh Mia Jan. 1840. Ms. [Old reference - Register No. 4-0-35].

1821-40/41

**MILLER, H.N.** - Rough sketch of the Northern Border of the Peshawar Valley between Swat River and Mora Pass. Scale 1" = 2 miles. By Lieut. H. N. Miller. Drawn in 1852. Copied in 1853. Ms. [Old reference - Register No. 21-5-52].

1841-60/32

**MITTA** - See Matta.

**MONGHYR** - Map of Boglipur, Monghir and the Jungleterry Districts in general including also the Passes of Birboom and Rajemal. Scale 1" = 5 miles. Surveyed in 1775. Sheet 5B, copied in March 1842. 3 Mss. [Old reference - Register No. 1-0-1775].

1761-80/5-5B

**MONGHYR - Monghyr. Sections 7, 8, 14-17. Scale 1" = 1 mile. Surveyed in 1836-39 and 1845-47. Photozincographed in 1868. Second Edition. 6 Photozincographs.**

1841-60/1-1E

— **- District Monghyr. Sheet I. Scale 1" = 1 mile. [1836-47]. Ms. [Old reference - Register No. 19-0-47].**

1841-60/52

— **- District Monghyr. Lower Provinces Revenue Survey. Sheet 15. Scale 1" = 1 mile. Surveyed in 1836-39 and 1845-47. Second Edition. Photozincographed in 1880. Photozincograph. [Old reference - Register No. 20-0-47].**

1841-60/53

— **- District Monghyr. Lower Provinces Revenue Survey. Sheet 8. Scale 1" = 1 mile. 1838-39 and 1845-46. Second Edition. Photozincograph. [Old reference - Register No. 13-0-46].**

1841-60/10

— **- District Monghyr. Lower Provinces Revenue Survey. Sheet 17. Second Edition. Scale 1" = 1 mile. 1845-47. Photozincographed in 1880. Photozincograph. [Old reference - Register No. 21-0-47].**

1841-60/54

GIR - See Monghyr.

MONTGOMERIE, T.G. - Map of Kashmir with part of adjacent mountains. Scale 1" = 2 miles. Surveyed by Capt. T.G. Montgomerie. 1855-57. Lithographed in 1858. Inset map - "Kashmir Route map. Scale 1" = 2 miles". 4 Lithographs. [Old reference - Registrar No. 48-0-57].

1841-60/80-80C

- Extract from the Map of the Jamoo, Kashmir and adjacent Districts. Surveyed by Capt. T.G. Montgomerie. 1856-60. Scale 1" = 4 miles. Extracts taken by Maj. J.T. Walker. 1861. Ms.

1841-60/65

- Skeleton map of the Kashmir Province. Scale 1" = 1 mile. By T.G. Montgomerie. 1856-60. Ms. [Old reference - Register No. 74-0-60].

1841-60/67

- Jamoo, Kashmir and adjacent Districts. Scale 1" = 1 mile. By Capt. T.G. Montgomerie. 1856-60. Lithographed in 1861. Inset map - "Srinagar or City of Kashmir and environs. Scale 1" = 1 mile". 8 Lithographs. [Old reference - Register No. 62-0-60].

1841-60/68-68G

**MONTGOMERIE, T.G. - Kashmir. Scale 1" = 4 miles.**  
 Surveyed by Capt. T.G. Montgomerie. 1856-60.  
 Printed copy. [Old reference - Register No. 73-0-60].

1841-60/69

— **- Dominions of H.H. Ranbir Singh. Jamoo Territories. Scale 1" = 2 miles. Surveyed by Capt. T.G. Montgomerie. 1857-60. Compiled in 1865. 3 Mss. [Old reference - Register No. 71-0-60].**

1841-60/109-109B

— **- Kashmir Route map. Scale 1" = 32 miles. Compiled by Capt. T.G. Montgomerie. 1860. Ms. Sheet 78A, Proof copy. [Old reference - Register No. 72-0-60].**

1841-60/78-78A

**MOORADABAD - See Moradabad.**

**MOORSHEDEBAD - See Murshidabad.**

**MORADABAD - Sketch of the Boundary between the Mooradabad District and that of Kumaon and Gurhwal as surveyed by the Collector. Sheet 24, on scale 1" = 800 yards. Sheet 25, on scale 1" = 4 miles. Surveyed in 1826. Sheet 25, reduced and copied in 1826. 2 Mss. [Old reference - Register No. 4-0-26].**

1821-40/24-25

MORA DHUNSEEREE - See Dhansiri.

MORA PASS - Rough sketch of the Northern Border of the Peshawar Valley between Swat river and Mora Pass. Scale 1" = 2 miles. By Lieut. H.N. Miller. Drawn in 1852. Copied in 1853. Ms. [Old reference - Register No. 21-0-52].

1841-60/32

MORLAND, H. - The Northern Boundary of the Nandair Circar, Nizam's dominions. Scale 1" = 1 mile. Surveyed by Capt. H. Morland. 1839-41. Traced in 1862. Ms. [Old reference - Register No. 8-0-41].

1841-60/19-19D

MORRIESON, [W.E.] - Survey of part of the Sunderbunds. Scale 1" = 2 miles. By Lieut. Morrieson. 1811. Ms.

1801-20/42

MORRIESON, W.E. - A survey of part of the Sunderbunds. Scale 1" = 4 miles. Surveyed by Lieut. W.E. Morrieson. 1811-14. Ms. [Old reference - Register No. ...-0-18].

1801-20/4



MORRIESON, W.E. - Survey of part of the Sunderbunds. Scale 1" = 2 miles. By W.E. Morrieson. 1811-14. Oriented or corrected by Astronomical observations with the unfinished sketch in 1818. Ms. [Old reference - Register No.2-0-14].

1801-20/42B

\_\_\_\_ - [Sunderbans]. Scale 1" = 2 miles. By Lieut. W.E. Morrieson. 1811-18. 14 Mss. [Old reference - Register No.9-0-18].

1801-20/5-5M

\_\_\_\_ - Part of the Survey of the Sunderbunds having for its Boundaries the Hoogly River on the West, the Juboona Creek on the North, the Juboona River on the East and the Passage through the Sunderbunds called the Balliagot Passage on the South. Scale 1" = 2 miles. By Lieut. W.E. Morrieson. 1813. Ms. [Old reference - Register No.2-0-14].

1801-20/42A

MORRIESON, W.(E) - Reduction of an unfinished sketch being a continuation of a Survey of the Sunderbunds. Scale 1" = 4 miles. Surveyed by Capt. W. Morrieson. 1818. Ms.

1801-20/4A

**MOUAT, I.** - A survey of the Jaghire of Ahmed Ally Khan as ceded to the Rohillas by the Treaty of Colla Wolla in 1794. Scale 1" = 2½ miles. By I. Mouat. 1795. Ms. [Old reference - Register No. 1-0-1795].

1781-1800/2

**MUDDUKAYRAY** - Sketch of the Fort and Petta of Muddukayray; also the Table-land on which they are situated. Scale 8" = 1 mile. Not dated. Ms.

1801-20/61

**MUDGERE** - Survey of the Districts of Nidigul and Pawgur belonging to Mysore, of part of the Districts of Amrapoor, Margee-Sera, Pennaconda, and Ruttingerry belonging to the Ceded Districts and their Boundary with Mudageesy, Mudgerry and Serah belonging to Mysore. Scale 1" = 1 mile. By Capt. C. Mackenzie. 1801. Compiled in 1803. Ms. [Old reference - Register No. 3-0-1801].

1801-20/48

**MUDGERRY** - See Mudgere.

**MULHERAN, J.** - Part of District Yeotmal, Berar. Scale 1" = 1 mile. Surveyed by J. Mulheran. 1857-58. Extracted from the Original. Ms.

1841-60/51

**MULHERAN, J.** - Part of District Amraoti, Berar.  
 Scale 1" = 1 mile. Surveyed by Mulheran. 1856-57  
 and 1859-60. Extracted from the Original. Ms.  
 [Old reference - Register No. 69-0-60].

1841-60/50

**MUNGULDAEE** - See Mangal Dai.

**MUNNAREE** - See Manari.

**MUNNEEPOOR** - See Manipur.

**MUNNOOR** - See Mannar.

**MURSHIDABAD** - Map of the city of Moorshedabad.

Scale 8" = 1 mile. Surveyed by Capt. J. E. Gastrell.  
 1853-54. 2 Mss. [Old reference - Register No. 18-  
 0-54].

1841-60/59-59A

**MYSORE** - A general map of the Northern and Eastern  
 Provinces of Mysore with the Boundaries of the several  
 Purgunnahs laid down according to the Treaty of  
 Partition of June 1799. Scale 1" = 4 miles. Surveyed  
 by Maj. C. Mackenzie. 1803. 2 Mss. [Old reference  
 - Register No. 3-0-1803].

1801-20/28-28A

**MYSORE** - Map of the countries ceded by His Highness the Nizam of Hyderabad to the Hon. Company by the Treaty of Hyderabad, 12th Oct. 1800 with the adjacent Districts of the Company's and Mysorean Territory. Scale 1" = 11½ miles. By Lieut. T. Sydenham. 1800. 3 Mss. [Old reference - Register No. 4-0-01].

1801-20/18-18B

— - Sketch explanatory of the Districts proposed to be interchanged between The Hon. E. India Company and the Rajah of Mysore by the schedules A and B annexed to the Supplementary Treaty. Scale 1" = 24 miles. 1800. Ms. [Old reference - Register No. 1-0-1806].

1801-20/29

— - Survey of the Districts of Nidigul and Pawgur belonging to Mysore, of part of the Districts of Amrapoor, Margee-Sera, Pennaconda, and Ruttin-gerry belonging to the Ceded Districts and their Boundary with Madageesy, Mudgerry and Serah belonging to Mysore. Scale 1" 1 mile. By Capt. C. Mackenzie. 1801. Compiled in 1803. Ms. [Old reference - Register No. 3-0-1801].

1801-20/48

— - Plans of the forts and environs of Hurdanhully, Heeroor, etc. in Mysore. No scale. 1801-04. 14 Mss.

1801-20/62-62M

**MYSORE** - Plan explanatory of the Districts interchanged between E. I. Company and the Rajah of Mysore and the Nizam according to the schedules annexed to the Treaty of Mysore in 1799, the Treaty of Hyderabad in 1800 and the Supplementary Treaty with the Rajah of Mysore concluded on the 29th of Dec. 1803. Scale 1" = 12 miles. By C. Mackenzie. 1806. Ms. [Old reference - Register No. 1-0-1806].

1801-20/29A

— - Map of the territories of Mysore giving the complete outline of the Boundary of the Rajah's country with the Districts belonging to the Hon. E. I. Company and to the Marattas together with the District of Canara. Scale 1" = 12 miles. Surveyed in 1807. 2 Mss. [Old reference - Register No. 3-0-07].

1801-20/30-30A

**NANDAIR** - See Nander.

**NANDER** - The Northern Boundary of the Nandair Circar, Nizam's dominions. Scale 1" = 1 mile. Surveyed by Capt. H. Morland. 1839-41. Traced in 1862. 5 Mss. [Old reference - Register No. 8-0-41].

1841-60/19-19D

**NAPIER, R.** - [Boundary between Bahawalpur and Bikaner]. Scale 1" = 4 miles. By Lieut. Col. R. Napier. 1849. Sheet 14A, copied in 1850. 2 Mss. [Old reference - Register No. 15-0-50].

1841-60/14-14A

\_\_\_\_ - City and Environs of Lucknow. Scale 2" = 1 mile. By Brig. R. Napier. 1859. Ms. [Old reference - Register No. 29-0-59].

1841-60/46

**NARBADA RIVER** - Col. Goddard's Route from Kalpy to the banks of the Narbuddah River. Scale 1" = 5 miles. 1779. Ms. [Old reference - Register No. 4-0-1779].

1761-80/6

**NEPAL** - Map of the boundary between the British and Nepaul Dominions from the Arrah Nullah to the River Gunduc. Sheet 31, on scale 1" = 1-1/3 miles. Sheet 31A, on scale 1" = 4 miles. Sheet 31B, on scale 1" = 12 miles. Surveyed by Wm. Garden. 1817. Sheet 31, copied in 1830. Sheets 31A-31B, reduced in 1819. 3 Mss. [Old reference - Register No. 2-0-17].

1801-20/31-31B

**NEPAL** - Survey made by order of British Government in India of Nipaulese boundary on Northern frontier of Tirhoot in North Behar. Sheets 32, 32A, on scale 1" = 2 miles. Sheet 32B, on scale 1" = 4 miles. Surveyed by Lieut. John Peter Boileau. 1817. Sheet 32A; copied in 1830. Sheet 32, copied in 1822. 2 Mss. [Old reference - Register No. 4-0-17].

1801-20/ 32-32B

- Survey of the boundary between the British and Nipaulese possessions on the North-West frontier of Zillah Chumparun in North Behar. Scale 1" = 2 miles. Surveyed by Lt. J. P. Boileau. 1817. Sheet 34A, copied in 1830. 2 Mss. [Old reference - Register No. 19-0-17].

1801-20/ 34

- Map of the Nepaul Boundary. Scale 1" = 6 miles. By Captns. P. W. Grant, W. Garden, Lieut. J. P. Boileau and J. Pickersgill. 1817. Ms. [Old reference - Register No. 18-0-17].

1801-20/ 64

- Sketch of the line of Boundary between Nipaual Terriani and the Zillah Sarun. Scale 1-5/6" = 1 mile. By Lieut. J. Pickersgill. 1817. Copied in 1829. Ms with 2 Proof sheets. [Old reference - Register No. 5-0-1817].

1801-20/ 63-63B

NEPAL - Sketch of the line of boundary between the Nipaul-Terriani and the Zillah Sarun. Scale 1" = 4 miles. Surveyed by Lieut. J. Pickersgill. Reduced in 1819. Ms. [Old reference - Register No.5-0-17].

1801-20/33

— - [Boundary between Nepal, Oudh and Gorakhpur]. Scale 1" = 1 mile. 1830. 6 Mss. [Old reference - Register No.8-0-30].

1821-40/18-18E

— - Map of Sikkim and Eastern Nepal. Scale 1" = 4 miles. By J.D. Hooker. Copied in 1850. Ms. [Old reference - Register No.17-0-50].

1841-60/24

— - Sketch of boundary between Nepal on one side and Rohilkund and Oude on the other. Scale 1" = 1 mile. 1859-60. Ms. [Old reference - Register No.65-0-60].

1841-60/26

— - Map of the Boundary between Nepal and Oudh from Bhugora Tal to the Sarda River. Scale 1" = 4 miles. Surveyed by Lieut. F.C. Anderson. 1859-60. Ms.

1841-60/25



**NEPAL** - Rough thakbust map of the Boundary between Nepal and British Territory. Scale 2" = 1 mile. By Lieut. F.C. Anderson, Boundary Commissioner. 1860. Lithographed in 1864. 15 Lithographs. [Old reference - Register No. 75-0-60].

1841-60/27-27N

**NEPAL TARAI** - Sketch of the Nepaulese Terrae and Boundary between the Rapti and Bhagmuttee Rivers exhibiting the insular tract of country belonging to the Rajah of Ramnuggur. Scale 1" = 10 miles. By Ross Bell. Copied in 1839. Ms. [Old reference - Register No. 5-0-39].

1821-40/19

**NEPAUL** - See Nepal.

**NEPAUL TERRAEE** - See Nepal Tarai.

**NIDIGUL** - See Nidugal.

**NIDUGAL** - Survey of the Districts of Nidigul and Pawgur belonging to Mysore, of part of the Districts of Amrapoor, Margee-Sera, Pennaconda and Ruttin-gerry belonging to the Coiled Districts and their Boundary with Madageesy, Mudgerry and Serah belonging to Mysore. Scale 1" = 1 mile. By Capt. C. Mackenzie. 1801. Compiled in 1803. Ms. [Old reference - Register No. 3-0-1801].

1801-20/48

NIPAUL - See Nepal.

NOACOLLY - See Noakhali.

NOAKHALI - Map of part of District Bulloah. Sheets 5-5B, on scale 1" = 1 mile. Sheets 5C-5D, on scale 1" = 4 miles. Surveyed by Capt. B. Blake. 1824. Sheets 5-5A, reduced in 1831. Sheet 5D, copied in 1832. Sheet 5A, copied in 1836. 5 Mss. [Old reference - Register No. 6-0-24].

1821-40/5-5D

\_\_\_\_ - [Map of Bulloah, Chittagong, Hattia, Sundeep and the smaller Islands in vicinity]. Scale 1" = 2 miles. 1834-36. Copied in 1839. Ms. [Old reference - Register No. 12-0-39].

1841-60/5

\_\_\_\_ - Skeleton plan of Boundary with the road and coast to Noacolly. Scale 1" = 1 mile. By Capt. A. Hodges. 1836. Compiled in 1839. Ms. [Old reference - Register No. 8-0-36].

1841-60/6

OKAMANDEL - See Okhamandal.

**OKHAMANDAL** - Plan of the Town and Fort of Duarka in Okamandel with a Trigonometrical Sketch of the country round about. Scale 1" = 300 yards. 1859. Ms.

1841-60/103

**OOJEIN** - See Ujjain.

**OONEARA** - See Uniara.

**OUDE** - See Oudh.

**LOUDH** - Map of the part of the Province of Oude. Scale 1" = 3 miles. By Lieut. Thomas Wood. 1799. Ms.

1781-1800/5

— - Survey of that part of the boundary from the River Goomti up to the Mountains betwixt the territories of His Highness the Nawaub of Oude and those lately ceded by him to the Honourable Company. Sheets 36-36C, on scale 1" = 1-1/3 miles. Sheets 36D-36E, on scale 1" = 4 miles. Surveyed by Capt. Thomas Wood. 1802. 6 Mss. [Old reference-Register No.5-0-1802].

1801-20/36-36E

— - Map of the countries ceded by His Highness the Nawaub of Oude to the Hon. East India Company agreeably to the Treaty of Lucknow concluded Nov. 10, 1801. Scale 1" = 16 miles. By Maj. R.H. Colebrooke. Sheets 37-37A, not dated. Sheet 37-B, of 1802. Sheet 37-C, with corrections and improvements, of 1804. 4 Mss. [Old reference - Register No.7-0-1802].

1801-20/37-37C

\_\_\_\_ OUDH - Survey of the Nawaub of Oude's Eastern Boundary. Scale 1" = 4 miles. Protracted from Lt. Smith's Journal by C. Tetley. 1805. Ms. with one Proof copy.  
[Old reference - Register No. 2-0-1803].

1801-20/38A

\_\_\_\_ - Map of Routes in Oudh and part of Rohilkund. Scale 1" = 4 miles. Compiled from Col. Colebrooke's Detached Route Surveys of 1808. By E. Wilson. 1834. Ms.  
[Old reference - Register No. 14-0-34].

1821-40/31

\_\_\_\_ - [Boundary between Nepal, Oudh and Gorakhpur]. Scale 1" = 1 mile. 1830. 6 Mss. [Old reference - Register No. 8-0-30].

1821-40/18-18E

\_\_\_\_ - Oudh and adjacent Districts showing proposed Zillahs and Commissionerships. Scale 1" = 8 miles. Extract from Map of country between Benares and Delhi. 1857. Lithographed in 1860. Lithograph copy.

1841-60/49

OU DH - Map of the Boundary between Nepal and Oudh from Bhugora Tal to the Sarda River. Scale 1" = 4 miles. Surveyed by Lieut. F.C. Anderson. 1859-60. Ms.

1841-60/25

— - Sketch of Boundary between Nepal on one side and Rohilkund and Oude on the other. Scale 1" = 1 mile. 1859-60. Ms. [Old reference - Register No. 65-0-60].

1841-60/26

PAIWAR KOTAL - Sketch map of the Road between Thull and Ghuznie showing the Route by the Paiwar Kothul and down the shooturgurdun through Logur [valley]. Scale 1" = 4 miles. By Lieut. P.S. Lumsden. 1858. Sheet 95A, copied in 1859. 2 Mss and 1 Proof copy. [Old reference - Register No. 13-0-58].

1841-60/95-95B

PAIWAR KOTHUL - See Paiwar Kotal.

PALHANPOOR - See Palampur.

**PALANPUR** - Sketch of Boundary between the States of Marwar, Palhampoor, Thurrad and Vow. Sheet 15, on scale 1" = 1 mile. Sheets 15A-15B, on scale 1" = 4 miles. Surveyed by Capt. John C. Brooke. 1853. Sheet 15, reduced in 1854. Sheet 15A, reduced in 1855. Sheet 15B is an Index. 3 Mss. [Old reference - Register No. 31-0-53].

1841-60/15-15B

**PANCHANNAGRAM** - Map of the city of Calcutta and Panchanogram, District 24-Purgunnahs. [Sheet] No. 1. Scale 1" = 1 mile. 1851-52. Ms.

1841-60/55

**PARTABGARH** - Survey of the road from Ali Ghad to Partaubghur, from Partaubghur to Manickpoor, and also of that part of the Eastern Boundary from the River Ganges to near the Goomty River, between the territories of His Highness the Nawaub of Oude and those lately ceded to Hon. Company. Scale 1" = 1 mile. By Lieut. H. C. Smith. 1802-03. Ms.

1801-20/38

**PARTABGHUR** - See Partabgarh.

**PATIALA** - Approximate skeleton Index map of Main Circuit Rounds in Fureedkote and Patiala States. Scale 1" = 4 miles. 1847-50. Ms.

1841-60/66

**PATLADAH** - Province of Bettoriah or Northern Division of Rajeshy with the Purgunnahs of Attyah, Caugmahry, Pookarya, Patladah, Burhazzo, Shilberis, Jaffiersi and Lukerpoor. Scale 1" = 5 miles. Surveyed by J. Donnell. 1761-1771. Sheet 615, copied in 1840. 3 Mss. [Old reference - Register No. 1-0-1771].

1761-80/3-3B

**PATON, J.** - Sketch of Route Surveys in the Sirhind District. Scale 1" = 4 miles. By Lieut. J. Paton. 1827-28. Copied in 1836. Ms. [Old reference - Register No. 3-0-28].

1821-40/22

**PAWGUR** - Survey of the Districts of Nidigul and Pawgur belonging to Mysore, of part of the Districts of Amrapoor, Margee-Sera, Pennaconda and Ruttingerry belonging to the Ceded Districts and their Boundary with Madageesy, Mudgerry and Serah belonging to Mysore. Scale 1" = 1 mile. By Capt. C. Mackenzie. 1801. Compiled in 1803. Ms. [Old reference - Register No. 3-0-1801].

1801-20/48

**PEMBERTON, H.L.** - Plan of the City of Jhansee. Scale 1" = 4 chains. By H.L. Pemberton. 1858-59. Ms. [Old reference - Register No. 31-0-59].

1841-60/45

**PEMBERTON, R.B.** - Map of the Province of Arracan with the adjoining Districts of Chittagong and Ava. Scale 1" = 32 miles. Compiled by Lieut. R.B. Pemberton. Sheet 12, not dated. Sheets 12A-12D, printed in 1831. Ms. with 4 Printed copies. [Old reference - Register No.11-0-31].

1821-40/12-12D

**[R.B.]** - Map of the Territory of Munneepoor and part of Arracan. Scale 1" = 16 miles. By Lieuts. Crommelin and Pemberton. [1825-30?]. 5 Mss. [Old reference - Register No.6-0-25].

1821-40/10-10D

**PENNACONDA** - Survey of the Districts of Nidigul and Pawgur belonging to Mysore, of part of the Districts of Amrapoor, Margee-Sera, Pennaconda, and Ruttin-gerry belonging to the Ceded Districts and their Boundary with Madageesy, Mudgerry and Serah belonging to Mysore. Scale 1" = 1 mile. By Capt. C. Mackenzie. 1801. Compiled in 1803. Ms. [Old reference - Register No.3-0-1801].

1801-20/48

**PESHAWAR** - Route of J.G. Gerard from Herat to Peshawar. Scale 1" = 8 miles. By Capt. A. Gerard. 1833. Reduced in 1841. Ms. [Old reference - Register No.16-0-33].

1821-40/2



**PESHAWAR** - Reconnoitring Survey of the Route from Ghuzni by Cabul, Peshawur and Lahore to Ferozepoor. Scale 1" = 4 miles. By Maj. W. Garden. Copied in 1840. 2 Mss. [Old reference - Register No.11-0-39].

1821-40/1-1A

— **VALLEY** - Rough sketch of the Northern Border of the Peshawar Valley between Swat River and Mora Pass. Scale 1" = 2 miles. By Lieut. H.N. Miller. Drawn in 1852. Copied in 1853. Ms. [Old reference Register No.21-0-52].

1841-60/32

**PESHAWUR** - See Peshawar.

**PICKERSGILL, J.** - Map of the Nepaul Boundary. Scale 1" = 8 miles. By Captns P.W. Grant, W. Garden, Lieut. J.P. Bofleau and J. Pickersgill. 1817. Ms [Old reference - Register No.18-0-17].

1801-20/54

— - Sketch of the line of Boundary between Nepaul Terriani and the Zillah Sarun. Scale 1-5/6" = 1 mile. By Lieut. J. Pickersgill 1817. Copied in 1819. Ms with 2 Proof sheets. [Old reference - Register No.5-0-1817].

1801-20/83-63B

**PICKERSGILL, J.** - Sketch of the line of Boundary between the Nipaul Terriani and the Zillah Sarun Scale 1" = 4 miles. Surveyed by Lieut. Pickersgill. Reduced in 1819. Ms. [Old reference - Register No. 5-0-17].

1801-20/33

**PINDARI WAR** - Map [of South-Western part of India] to accompany a History of the Mahratta and Pindari War. Scale 1" = 32 miles. Not dated. Printed layout copy. [Old reference - Register No. 40-0-59].

1841-60/20

**PITI** - See Spiti.

**PLATTS, I.T.** - Survey of that part of the Boundary between the British and Jamoo territories from the Ravi [River] to the Jhilam [River]. Sheet 22, on scale 1" = 1 mile. Sheet 23, on scale 1" = 4 miles. Surveyed by Lieut. D.G. Robinson and H.B. Talbot, Joseph James and I.T. Platts. 1850-51. Sheet 23, reduced in 1852. 2 Mss. [Old reference - Register No. 12-0-51].

1841-60/22-23

**PONDICHERRY** - Map of the country about and adjacent to Pondicherry reduced from the survey of the Military Institution. Scale 1" = 3½ miles. [1807]. Ms. [Old reference - Register No. 2-0-1807].

1801-20/10

**PONDICHERRY** - Plan of Pondicherry and its Environs.  
 Scale 4" = 1 mile. Compiled from the Survey by the  
 Military Institution. 1807. Ms. [Old reference -  
 Register No. 1-0-1807].

1801-20/50

- Map of Districts formerly belonging to the French  
 Government dependent on Pondicherry. Sheets 23-  
 23B, on scale 1" = 1 mile. Sheet No. 23C, on scale  
 1" = 3 miles. 1816. Sheet 23C, copied in 1820. 4 Mss.  
 [Old reference - Register No. 3-0-16].

1801-20/23-23C

- Map of Pondicherry and its environs. Sheet 13,  
 on scale 1" = 3 miles. Sheet 13A, on scale 1" = 2  
 miles. Copied in 1820. 2 Mss. [Old reference -  
 Register No. 4-0-20].

1801-20/13-13A

**POOKARYA** - See Pukharia.

**POONA** - Plan of the City of Poona. Scale 1" = 300 feet.  
 By Lieut. Stainforth. 1851. Traced in 1875. Ms.  
 [Old reference - Register No. 13-0-51].

1841-60/79

**POORANAGHUR** - See Puranagarh.

**POORUNNEEA** - See Purnea.

**PRINSEP, T.** - Plan of the City of Calcutta and its environs. Scale 1" = 500 feet. Surveyed by Maj. I. R. Schalch. Compiled with additions by Capt. T. Prinsep. [Engraved in 1825. Published in 1830]. 4 Sections. 2 Printed copies.

1821-40/45-45C

**PUKHARIA** - Province of Bettoriah or Northern Division of Rajeshy with the Purgunnahs of Attyah, Caugmahry, Pookarya, Patladah, Burhazzo, Shilberis, Jaffiersi and Luskerpoor. Scale 1" = 5 miles. Surveyed by J. Rennell. 1769-1771. Sheet 3B, copied in 1840. 3 Mss. [Old reference - Register No. 1-0-1771].

1761-80/3-3B

**PUNCHANOGRAM** - See Panchannagram.

**PUNJAB** - [Boundary between Sirhind and Punjab]. Scale 1" = 8 miles. [By Joshua Wilcox. 1825]. Ms. [Old reference - Register No. 5-0-26].

1821-40/21

**PUNJAB RIVERS** - Route map showing the travels of Lieut. A. Broome and Lieut. A. Cunningham to the sources of the Punjab Rivers. Scale 1" = 4 miles. By Lieut. A. Broome and Lieut. A. Cunningham, 1839. 2 Mss. [Old reference - Register No. 8-0-39].

1821-40/23-23A

**PUNJAB** - Districts of Seealkot, Punjab proper. Scale 1" = 2 miles. Surveyed by Maj. R. Shortrede. 1851-53. Compiled in 1856. Ms.

1841-60/89

**PURANAGARH** - Sketch of Col. Campbell's Route from Cuttack to Pooranaghur in 1848. Scale 1" = 4 miles. By T.A. Duncan. 1848. Ms. [Old reference - Register No. 13-0-45].

1841-60/4

**PURNEA** - Survey of the British boundary on the Northern frontier of the Zillah of Poorunnee in North Behar. Sheets 35-35A, on scale 1" = 2 miles. Sheet 35B, on scale 1" = 4 miles. Surveyed by Lieut. J.P. Bosleau. 1818. Sheet 35A, copied in 1830. Sheet 35B, reduced in 1820. 3 Mss. [Old reference - Register No. 13-0-1818].

1801-20/35-35B

- Province of Purneah and part of Dinagepoor. Scale 1" = 5 miles. Copied in 1830. Ms. [Old reference - Register No. 12-0-30].

1821-40/7

**PURNEA** - Map of the District of Purneah and the Joint Magistracy of Maulda. Scale 1" = 5 miles. Compiled from Maj. Rennell's maps. 1837. Ms.

1821-40/33

**PURNEAH** - See Purnea.

**RAILWAY, EASTERN BENGAL** - E. B. Railway. Section Map, showing the line from Calcutta to Koostee. Scale 1" = 1 mile. 1857. Ms. [with a letter addressed to Col. H. L. Thuillier, dated 18-4-59]. [Old reference - Register No. 2-0-59].

1841-60/57

**RAJANUGGIR** - Topographical sketch of the Route from Suddesa [Assam] to Rajanuggir [Burma] by the Gaum of Beesa. No scale. Reduced by Capt. James Bedford in 1826. Ms. [Old reference - Register No. 6-0-26].

1821-40/3

**RAJEMAL PASS** - See Rajmahal Pass.

**RAJMAHAL PASS** - Map of Boglipoor, Monghir and the Jungleterry Districts in general including also the Passes of Birboom and Rajemal. Scale 1" = 5 miles. Surveyed in 1775. Sheet 5B, copied in 1842. 3 Mss. [Old reference - Register No. 1-0-1775].

1761-80/5-5B

**RAJSHAHI** - Provinces of Kishenagur, Jessore, Booshnah and Mahmudshi with part of Dacca and Rajshy. Scale 1" = 5 miles. Surveyed by Rennell, Martin and Richards. 1764-72. 2 Mss. [Old reference - Register No. 1-0-72].

1761-80/1-1A

- Province of Bettoriah or Northern Division of Rajshy with the Purgunnahs of Attyah, Caugmahry, Pookarya, Patladah, Burhazzo, Shilberis, Jaffiersi and Lunkarpoor. Scale 1" = 5 miles. Surveyed by J. Rennell. 1769-1771. Sheet 3B, copied in 1840. 3 Mss. [Old reference - Register No. 1-0-1771].

1761-80/3-3B

**RAMNAGAR** - Sketch of the Nepaulese Terraces and Boundary between the Rapti and Bhagmuttee Rivers exhibiting the insular tract belonging to the Rajah of Ramnuggur. Scale 1" = 10 miles. By Ross Bell. Copied in 1839. [Old reference - Register No. 5-0-39].

1821-40/19

**RAMNUGGUR** - See Ramnagar.

**RANGAMATTY** - See Rangmati.

**RANGMATI** - Rungpour, Rangamatty, Coosbahar with the adjacent Purgunnahs of Baharbund and Bitterbund and a part of Bootan. Scale 1" = 5 miles. Surveyed by Rennell and Martin. 1779. 2 Mss. [Old reference - Register No.1-0-1779].

1761-80/8-8A

**RANGPOUR** - See Rangpur.

**RANGPUR** - Rangpour, Rangamatty, Coosbahar with the adjacent Purgunnahs of Baharbund and Bitterbund and a part of Bootan. Scale 1" = 5 miles. Surveyed by Rennell and Martin. 1779. 2 Mss. [Old reference - Register No.1-0-1779].

1761-80/8-8A

**RANAPUR** - Killah [Fort] Ranapur. Cuttack Tributary Mahals. Scale 1" = 1 mile. Surveyed by Capt. G.H. Sexton. 1852-53. Enlarged from the Original. Ms. [Old reference - Register No.33-0-53].

1841-60/62

**RAPTI RIVER** - Sketch of the Nepaulese Terrase and Boundary between the Rapti and Bhagmuttee Rivers exhibiting the insular tract of country belonging to the Rajah Rammuggur. Scale 1" = 10 miles. By Ross Bell. Copied in 1839. Ms. [Old reference - Register No.5-0-39].

1821-40/19



**RAPTY RIVER** - See Rapti River.

**RAUJESHY** - See Rajshahi.

**RAVI [RIVER]** - Survey of that part of the Boundary between the British and Jamoo territories, from the Ravi [River] to Jhilmam [River]. Sheet 22, on scale 1" = 1 mile. Sheet 23, on scale 1" = 4 miles. Surveyed by Lieut. D. G. Robinson and H. B. Talbot, Joseph James and I. T. Platts. 1850-51. Sheet 23, reduced in 1852. 2 Mss. [Old reference - Register No. 12-0-51].

1841-60/22-23

**RAWALPINDI-** [Boundary between Jhelum and Rawalpindi Districts]. Scale 1" = 1 mile. [1857-59]. 6 Mss. [Old reference - Register No. 30-0-59].

1841-60/33-33E

**RENNEL, JAMES** - Map of the Soondurbuns extending from the Megna to the Hoogly River. Scale 1" = 5 miles. Surveyed by Rennell, Richards? 1760-80. Ms. [Old reference - Register No. 1-0-1780].

1761-80/4

**RENNELL, [JAMES]** - Provinces of Kishenagur, Jessore, Boosnah and Mahmudshahi with part of Dacca, and Rajeshy. Scale 1" = 5 miles. Surveyed by Rennell, Martin and Richards. 1764-1772. 2 Mss. [Old reference - Register No. 1-0-72].

1761-80/1-1A

RENNELL, [JAMES] - Southern part of Dacca and low lands of Tipperah with the Islands in the mouth of the Ganges. Scale 1" = 5 miles. Surveyed by Rennell, Ritchie, Martin and Richards. 1764-75. Copied in 1839. Ms. [Old reference - Register No. 164-0-73].

1761-80/9

- Province of Bettoriah or Northern Division of Rajshy with the Purgunnabs of Attyah, Caugmahry, Pookarya, Patladah, Burhazzo, Shilberis, Jaffiersi and Luskierpoor. Scale 1" = 5 miles. Surveyed by J. Rennell. 1769-1771. Sheet 3B, copied in 1840. 3 Mss. [Old reference - Register No. 1-0-1771].

1761-80/3-3B

- A general survey of the Provinces of Bengal, Bahar etc. Scale 1" = 10 miles. By Maj. James Rennell. 1776. Published by Laurie & Whittle, London in 1794. [Old reference - Register No. 13-0-30].

1821-40/6

- Provinces of Bengal situated on the West of the Hoogly River with the Maharatta frontier. Scale 1" = 5 miles. By J. Rennell. [1775]. 2 Mss. [Old reference - Register No. 5-0-1779].

1761-80/2-2A

**RENNELL, [JAMES]** - Northern Provinces of Bengal with the Bootan, Dinagepoor, and Assam frontiers. Scale 1" = 5 miles. By Rennell. 1779. 2 Mss. [Old reference - Register No. 2-0-1779].

1761-80/7-7A

**\_\_\_\_\_** - Rungpore, Rungamatty, Coosbahar with the adjacent Purgumahs of Baharbund and Bitterbund and a part of Bootan. Scale 1" = 5 miles. Surveyed by Rennell and Martin. 1779. 2 Mss. [Old reference - Register No. 1-0-1779].

1761-80/8-8A

**\_\_\_\_\_** - The Ganges from Surdah to the Colligonga with the Passage across the Jeels etc. Scale 1" = 5 miles. Published according to Act of Parliament by J. Rennell, June 4, 1780. Printed copy. [Old reference - Register No. 14-0-14].

1801-20/41

**REVENUE SURVEY** - District Monghyr. Lower Provinces Revenue Survey. Sheet No. 15. Second Edition. Scale 1" = 1 mile. 1836-38 and 1845-47. Photozincographed in 1880. Photozincograph copy. [Old reference - Register No. 20-0-47].

1841-60/53

**REVENUE SURVEY - District Monghyr. Lower Provinces Revenue Survey. Sheet No. 17. Second Edition. Scale 1" = 1 mile. 1845-47. Photozincographed in 1880. Photozincographed copy. [Old reference - Register No. 21-0-47].**

1841-60/54

- Tracings of the Revenue Survey Boundary adjoining Sheets 2, 8, 18, 26 and 34 of the G.T. Survey of Kumaon and British Gurhwal. Scale 1" = 1 mile. Sheets 35-35B, of 1851-53. Sheets 35C-35E, of 1869-70. Sheet 35F, not dated. 7 Mss. [Old reference - Register No. 35-0-53].

1841-60/35-35F

**REWAH - Sketch of the Boundary between Kotae and Rewah States as settled by Panchayet. Scale 1" = 2 furlongs. 1838. Copied in 1839. Ms. [Old reference - Register No. 21-0-38].**

1821-40/13

**RICHARDS, [William] - Map of the Soondurbuns extending from the Megna to the Hoogly River. Scale 1" = 5 miles. Surveyed by Rennell, Richards. 1760-80. Ms. [Old reference - Register No. 1-0-1780].**

1761-80/4

**RICHARDS, [William]** - Provinces of Kishenagur, Jessore, Boosnah and Mahumdshi with part of Dacca, and Rajeshy. Scale 1" = 5 miles. Surveyed by Rennell, Martin and Richards. 1764-1772. 2 Mss. [Old reference - Register No. 1-0-72].

1761-80/1-1A

\_\_\_\_ - Southern part of Dacca and low lands of Tipperah with the Islands in the mouth of the Ganges. Scale 1" = 5 miles. Surveyed by Rennell, Ritchie, Martin and Richards. 1764-75. Copied in 1839. Ms. [Old reference - Register No. 164-0-73].

1761-80/9

**RITCHIE, [ ]** - Southern part of Dacca and low lands of Tipperah with the Islands in the mouth of the Ganges. Scale 1" = 5 miles. Surveyed by Rennell, Ritchie, Martin and Richards. 1764-75. Copied in 1839. Ms. [Old reference - Register No. 164-0-73].

1761-80/9

**ROBINSON, D.G.** - Military map of Hazara. Scale 1" = 2 miles. Surveyed by Lieut. D.G. Robinson. 1848-49. Revised by Lieut. Col. A.S. Waugh. 1854-55. 5 Mss. [Old reference - Register No. 18-0-55].

1841-60/28-28D

**ROBINSON, D.G.** - Survey of that part of the Boundary between the British and Jamoo territories, from the Ravi [River] to the Jhilam [River]. Sheet 22, on scale 1" = 1 mile. Sheet 23, on scale 1" = 4 miles. Surveyed by Lieut. D.G. Robinson and H.B. Talbot, Joseph James, and I.T. Platts. 1850-51. Sheet 23, reduced in 1852. 2 Mss. [Old reference - Register No. 12-0-51].

1841-60/22-23

- Districts of Jhilam and Shahpoor. Scale 1" = 1 mile.  
By Capt. D.G. Robinson. 1857-59. 4 Lithographs.  
[Old reference - Register No. 32-0-59].

1841-60/90-90C

**ROHILKHAND** - A survey of the Jaghire of Ahmed Ally Khan as ceded to the Rohillas by the Treaty of Calla Wolla, in 1794. Scale 1" = 2½ miles. By I. Mouat. 1795. Ms. [Old reference - Register No. 1-0-1795].

1781-1800/2

- Map of Routes in Oudh and part of Rohilkhand.  
Scale 1" = 4 miles. Compiled from Col. Colebrooke's Detached Route Surveys of 1808 by E. Wilson. 1834. Ms. [Old reference - Register No. 14-0-34].

1821-40/31

ROHILKHAND - Sketch of Boundary between Nepal on one side and Rohilkund and Oude on the other. Scale 1" = 1 mile. 1859-60. Ms. [Old reference - Register No. 65-0-60].

1841-60/26

ROHILKUND - See Rohilkhand.

ROHREE - See Rohri.

ROHRI - Plan of Rohree, Sukkur and Fort Bukkur. Sheets 104B, on scale 6" = 1 mile. By Lieut. J. MacDonald. 1856 2 Mss. and 1 Silver Print.

1841-60/104-104B

BUKCHU - See Rupshu.

RUNGPOUR - See Rangpur.

RUPSHU - Map of the Districts of Rukchu, Lahul and Piti showing the Boundary between the territories of Maharaja Gulab Singh [Kashmir] and British India. Scale 1" = 4 miles. By Capt. A. Cunningham. 1846. Copied in 1848. [Old reference - Register No. 11-0-46].

1841-60/34

**RUTTINGERRY** - Survey of the Districts of Nidigul and Pawgur belonging to Mysore, of part of the Districts of Amrapoor, Margeesera, Pennaconda, and Ruttingerry belonging to the Ceded Districts and their Boundary with Madageesy, Mudgerry and Serah belonging to Mysore. Scale 1" = 1 mile. By Capt. C. Mackenzie. 1801. Compiled in 1803. Ms. [Old reference - Register No. 3-0-1801].

1801-20/48

**SADIYA** - Topographical sketch of the Route from Sudeea [Assam] to Rajanuggir [Burma] by the Gaum of Beesa. No scale. Reduced by Capt. James Bedford in 1826. Ms. [Old reference - Register No. 6-0-26].

1821-40/3

**SALSETTE** - Sketches of Goa, Salsette etc. Scale 1" = 1 mile. 1811. Ms.

1801-20/16

**SANDUR** - Sketch of the Maratta District of Soondoor exhibiting its situation in regard to the Company's Ceded Districts. Scale 1" = 12 miles. By C. Mackenzie. 1816. 2 Mss. 1 Photocopy.

1801-20/40-40B



SANDWIP - [Map of Bulloah, Chittagong, Hattia, Sundep and the smaller Islands in vicinity]. Scale 1" = 2 miles. 1834-36. Copied in 1839. Ms. [Old reference - Register No. 12-0-39].

1841-60/5

SANJAN - Survey of Cheechun and parts of Tarrapoor, Asseeree and Seereegaon turrufs in the Sunjun Talooka. Scale 1" = 2 miles. By W. Aikin. 1833. Sheet 14A, copied in 1835. 2 Mss. [Old reference - Register No. 10-PT-33].

1821-40/14-14A

SARAN - Sketch of the line of Boundary between Nepaul Terriani and the Zillah Sarun. Scale 1-5/6" = 1 mile. By Lieut. J. Pickersgill. 1817. Copied in 1829. Ms with 2 Proof sheets. [Old reference - Register No. 5-0-1817].

1801-20/63-63B

\_\_\_\_ - Sketch of the line of Boundary between the Nipaul Terriani and the Zillah Sarun. Scale 1" = 4 miles. Surveyed by Lieut. J. Pickersgill. Reduced in 1819. Ms. [Old reference - Register No. 5-0-17].

1801-20/33

**SARDA RIVER** - Map of the Boundary between Nepal and Oudh from Bhugora Tal to the Sarda River. Scale 1" = 4 miles. Surveyed by Lieut. F.C.Anderson. 1859-60. Ms.

18-60/25

**SARUN** - See Saran.

**SATTUR** - Map of Portuguese territory at Goa showing also the Roads and principal features of the Sattur and Munnaree Districts. Scale 1" = 2 miles. By Lieut. James Garling. 1814. 2 Mss. [Old reference - Register No.5-PT-14].

1801-20/17-17A

**SAXTON, G.H.** - Killah [Fort] Kandapada, Cuttack Tributary Mehals. Scale 1" = 1 mile. By Capt. G.H.Saxton. 1852-53. Ms. [Old reference - Register No.32-0-53].

1841-60/3

— - Killah [Fort] Ranapur. Cuttack Tributary Mahals. Scale 1" = 1 mile. Surveyed by Capt. G. H. Saxton. 1852-53. Enlarged from the Original. Ms. [Old reference - Register No.33-0-53].

1841-60/62

SAXTON, G.H. - Killah [Fort] Ungool, Cuttack Tributary Mahals. Scale 1" = 1 mile. Surveyed by Lieut. Col. G.H. Saxton. 1853-54. Ms. [Old reference - Register No. 18-0-54].

1841-60/63

— - Killah [Fort] Talcheer, Cuttack Tributary Mahals. Scale 1" = 1 mile. By Lieut. Col. G.H. Saxton and Capt. G.C. Depree. Surveyed in 1853-57 and 1860-61. Copied by Ameer Khan in 1869. Ms. [Old reference - Register No. 52-0-61].

1841-60/108

SCHALCH, I.R. - Plan of the City of Calcutta and its environs. Scale 1" = 500 feet. Surveyed by Maj. I.R. Schalch. Compiled with additions by Capt. T. Prinsep. [Engraved in 1825. Published in 1830]. 4 Sections. 2 copies.

1821-40/45-45C

SCOTT, W.H. - Chamba Territory, Great Trigonometrical Survey of India. Scale 1" = 2 miles. Compiled by W.H. Scott. 1872. 4 Lithographs.

1841-60/110-110C

SEEALKOT - See Sialkot.

SEEREE GAON - See Sirigaon.

SERA - Survey of the Districts of Nidigul and Pawgur belonging to Mysore, of part of the Districts of Amrapoor, Margee-Sera, Pennaconda, and Ruttingerry belonging to the Ceded Districts and their Boundary with Mudageesy, Mudgerry and Serah belonging to Mysore. Scale 1" = 1 mile. By Capt. C. Mackenzie. 1801. Compiled in 1803. Ms. [Old reference - Register No. 3-0-1801].

1801-20/48

SERAH - See Sera.

SERAMPOOR - See Serampore.

SERAMPORE - Map of the Danish Settlement of Serampoor including the Lands of Pearapoor dependent thereon, situated in the Province of Bengal on the West bank of the Hooghly River. Scale 1" = 170 yards. Surveyed by Charles Joseph. 1842. Sheet 58A, copied in 1843. 2 Mss.

1841-60/58-58A

SERINGAPATAM - Plan of the Fort of Seringapatam. [Sheet 9, on scale 1" = 36 yards]. Sheet 9, copied in 1800. Sheets 9A-9B, not dated. 3 Mss.

1781-1800/9-9B

SHAHPOOR - See Shahpur.

SHAHPUR - Districts of Jhilm and Shahpoor. Scale 1" = 1 mile. By Capt. D.G. Robinson. 1857-59. 4 Lithographs. [Old reference - Register No. 32-0-59].

1841-60/90-90C

SHANTUNG - Atlas von China [as surveyed by Jesuit Missionaries] [in German]. By I. Lieferung. 1843. [Contains Title page, 5 pages text, 4 maps of Kiang-son, Chan-Taung, Ho-nan and Tche-Kiang Provinces]. Printed copy. [Old reference - Register No. 11-0-43].

1841-60/94

SHARDA [River] - The Ganges from Surdah [River] to the Colligonga [River] with the Passage across the Jeels etc. Scale 1" = 5 miles. Published according to Act of Parliament by J. Rennell, June 4, 1780. Printed copy. [Old reference - Register No. 14-0-14].

1801-20/41

SHERWILL, W.S. - Index map to the locations at Darjeeling. Scale 6-1/3" = 1 mile. By Capt. W.S. Sherwill. 1851. Lithographed in 1853. Lithograph copy. [Old reference - Register No. 14-0-51].

1841-60/60

**SHILBARI** - Province of Bettiah or Northern Division of Rajshy with the Purgunnahs of Attyah, Caugamahry. Pookarya, Patladah, Burhazzo, Shilberis, Jaffiersi and Luskerpoor. Scale 1" = 5 miles. Surveyed by J. Rennell. 1769-1771. Sheet 3B, copied in 1840. 3 Mss. [Old reference - Register No.1-0-1771].

1761-80/3-3B

**SHILBERIS** - See Shilbari.

**SHOOTURGURDUN** - See Shutargardan.

**SHORTREDE, R.** - Goordaspoor. Scale 1" = 1 mile. Surveyed by Maj. R. Shortrede, Capt. T. C. Blaggrave and Lieut. J. W. B. Blaggrave. 1849-53. Sheet 38F, Proof copy of Section I. 6 Mss with a Proof copy. [Old reference - Register No.75-0-63].

1841-60/38-38F

— - District Goordaspoor. Sheets 4, 5 and 6. Scale 1" = 1 mile. Surveyed by Maj. R. Shortrede, Capt. T. C. Blaggrave and Lieut. J. W. B. Blaggrave. 1849-53. Compiled with corrections and additions upto 1869. Sheet 5, 2 copies. 4 Photozincographs.

1841-60/39-39C

— - District of Seealkot, Punjab proper. Scale 1" = 2 miles. Surveyed by Maj. R. Shortrede. 1851-53. Compiled in 1856. Ms.

1841-60/89

**SHUTARGARDAN** - Sketch map of the Road between Thull and Ghaznie showing the Route by the Paiwar Kothul and down the Shooturgurdun through Longur [Valley]. Scale 1" = 4 miles. By Lieut. P.S. Lumsden. 1858. Sheet 95A, copied in 1859. 2 Mss and 1 Proof copy. [Old reference - Register No. 13-0-58].

1841-60/95-95B

**SIALKOT** - District of Seealkot, Punjab proper. Scale 1" = 2 miles. Surveyed by Maj. R. Shortrede. 1851-53. Compiled in 1856. Ms.

1841-60/89

**SIKKIM** - Map of Sikkim and Eastern Nepal. Scale 1" = 4 miles. By J.D. Hooker. Copied in 1850. Ms. [Old reference - Register No. 17-0-50].

1841-60/24

- Independent Sikkim from a sketch by J.D. Hooker, based on the operations of the great Trigonometrical Survey. Scale 1" = 4 miles. 1850. Lithographed in 1861. 2 Lithographs. [Old reference - Register No. 55-0-50].

1841-60/64-64A

**SILHET** - See Sylhet.

**SIMMS, FREDERICK WALTER** - Plan of Calcutta. Scale 1" = 380 feet. Surveyed by Frederick Walter Simms. 1847-49. The suburbs of the Town are from surveys by Maj. H.L.Thuillier, and Capt. R.Smyth. Published in 1858. Revised in 1875. 16 Printed copies.

1841-60/61-61'O'

**SIND** - Survey showing a portion of the Boundary between Sind and Jodhpoor demarcated in 1849. Sheet 12, on scale 1" = 4 miles. Sheet 12A, on scale 1" = 8 miles. By Capt. L.F.Jackson and Lieut. J.R.Becher, Boundary Commissioners. 1849. 2 Mss. [Old reference - Register No.12-0-49].

1841-60/12-12A

— - Sketch map compiled to illustrate a Report on a portion of the Sind and Marwar Frontier. Sheet 13, on scale 1" = 8 miles. Sheet 13A, on scale 1" = 4 miles. By Lieut. Becher, Boundary Commissioner. 1850. 2 Mss. [Old reference - Register No.14-0-50].

1841-60/13-13A

**SINGAPORE** - Sketch of the British Settlement of Singapore according to the Treaty of the 2nd of August, 1824. Scale 1" = 2 miles. By Lieut. P.Jackson. 1824. Sheet 9A, copied in 1843. 2 Mss. [Old reference - Register No.4-0-24].

1821-40/9-9A



**SIRHIND** - [Boundary between Sirhind and Punjab].  
 Scale 1" = 8 miles. [By Joshua Wilcox. 1825].  
 Ms. [Old reference - Register No.5-0-26].

1821-40/21

- Sketch of Route Surveys in the Sirhind District.  
 Scale 1" = 4 miles. By Lieut. J. Paton. 1827-28.  
 Copied in 1836. Ms. [Old reference - Register  
 No.3-0-28].

1821-40/22

**SIRIGAON** - North Konkun. No.2. Survey of the Mahim  
 Purgunna and parts of the Seereegaon, Tarapoor,  
 Cheechun and Munnoors Turrufs. Scale 1" = 2 miles.  
 Surveyed by W. Bertie. 1833. Sheet 8A, copied in  
 1835. 2 Ms. [Old reference - Register No.11-PT-  
 33].

1821-40/8-8A

- Survey of Cheechun and parts of Tarrapoor,  
 Asseeree and Seereegaon turrufs in the Sunjun  
 Talooka. Scale 1" = 2 miles. By W. Aikin. 1833.  
 Sheet 14A. copied in 1835. 2 Ms. [Old reference  
 - Register No.10-PT-33].

1821-40/14-14A

SMITH, H. C. - Survey of the Road from All-Ghad to Partaibghur, from Partaubghur to Manickpoor and also of that part of the Eastern Boundary from the river Ganges to near the Goomty River, between the territories of His Highness the Nawab of Oude and those lately ceded to the Hon. Company. Scale 1" = 1 mile. By Lieut. H. C. Smith. 1802-03. Ms.

1801-20/38

SMYTH, R. - Plan of Calcutta. Scale 1" = 380 feet. Surveyed by Frederick Walter Simms. 1847-49. The suburbs of the Town are from surveys by Maj. H. L. Thuillier and Capt. R. Smyth. Published in 1858. Revised in 1875. 16 Printed copies.

1841-60/61-61'O'

SONDA - Sketch of the Route of the Hon. Col. Wellesley along the boundary dividing the Marhatta territories from the Sonda country. Scale 1" = 5½ miles. By Jame Colebrooke. [1800]. 3 Mss. [Old reference - Register No. 1-0-1800].

1771-1800/4-4B

SOONDA - See Sonda.

SOONDOOR - See Sandur.

SOORKUNDA - See Suryakunda.

**SPITI** - Map of the Districts of Rukchu, Lahul and Piti showing the Boundary between the territories of Maharaja Gulab Singh [Kashmir] and British India. Scale 1" = 4 miles By Capt. A. Cunningham, 1846. Copied in 1848. [Old reference - Register No. 11-0-46].

1841-60/34

**SRINAGAR** - Jamoo, Kashmir and adjacent Districts. Scale 1" = 4 miles. By Capt. T.G. Montgomerie. 1856-60. Lithographed in 1861. Inset map - "Srinagar or City of Kashmir and environs - Scale 1" = 1 mile". 8 Lithographs. [Old reference - Register No. 62-0-60].

1841-60/68-68G

**STAINFORTH**, [ ] - Plan of the City of Poona. Scale 1" = 300 feet. By Lieut. Stainforth. 1851. Traced in 1875. Ms. [Old reference - Register No. 13-0-51].

1841-60/79

**SUDDEEA** - See Sadia.

**SUKKUR** - Plan of Rohree, Sukkur and Fort Bukkur.

Sheets 104-104A, on scale 1" = 1 furlong. Sheet 104B, on scale 6" = 1 mile. By Lieut. J. Macdonald. 1856. 2 Mss and 1 Silver print.

1841-60/104-104B

**SUNDARBANS** - Map of the Soondurbuns extending from the Megna [River] to the Hoogly River. Scale 1" = 5 miles. Surveyed by Rennell, Richard? 1760-80. Ms. [Old reference - Register No. 1-0-1780].

1761-80/4

— - Survey of part of the Sunderbunds. Scale 1" = 2 miles. By Lieut. Morrieson. 1811. Ms.

1801-20/42

— - Survey of part of the Sunderbunds. Scale 1" = 2 miles. By W. E. Morrieson. 1811-1814. Oriented or Corrected by Astronomical Observations with the unfinished sketch in the season of 1818. Ms. [Old reference - Register No. 2-0-14].

1801-20/42B

**SUNDARBANS - A survey of part of the Sunderbunds.**

Scale 1" = 4 miles. Surveyed by Lieut. W.E. Morrieson. 1811-14. Ms. [Old reference - Register No. ...-0-18].

1801-20/4

— - [Sunderbunds in 14 Sections]. Scale 1" = 2 miles. By Lieut. W.E. Morrieson. 1811-1818. 14 Mss. [Old reference - Register No. 9-0-18].

1801-20/5-5M

— - Part first of the survey of the Sunderbunds having for its boundaries the Hoogly River on the West, the Juboona Creek on the North, the Juboona River on the East and the Passage through the Sunderbunds called the Balliagot Passage on the South. Scale 1" = 2 miles. By Lieut. W.E. Morrieson. 1813. Ms. [Old reference - Register No. 2-0-14].

1801-20/42A

— - Map of part of the Lower Sunderbunds. Sheet 1, on scale 1" = 1-1/8 miles. Sheet 1A, on scale 1" = 4 miles. Surveyed by Lieut. G. Rodney Blane. 1813-14. Sheet 1A, reduced in 1838. 2 Mss. [Old reference - Register No. 3-PT-14].

1801-20/1-1A

**SUNDARBANS** - Reduction of an unfinished sketch being a continuation of a survey of the Sunderbunds. Scale 1" = 4 miles. Surveyed by Capt. W. Morrieson. 1818. Ms.

1801-20/4A

**SUNDEEP** - See Sandwip.

**SUNDERBANS** - See Sundarbans.

**SUNDERBUNDS** - See Sundarbans.

**SUNJUN** - See Sanjan.

**SURAT** - Survey of the Route of the Detachment commanded by Col. Thomas Goddard from Calpy to Surat in 1778 and 1779. Surveyed to the city of Boorhanpoor-Johanabad. Scale 1" = 1 mile. 1778-79. 27 Mss Sections. [Old reference - Register No. 4-0-1799].

1761-80/6A(1-27)

**SURDAH** [RIVER] - See Sharda River.

**SURYAKUNDA** - Panoramic sketch of the Himalaya range as seen from the station of Boorkunda elevated 800 feet above the Plains of the Decc. No scale. [1818]. 2 Mss. [Old reference - Register No. 6-0-27].

1821-40/30-30A

**SUTLEJ RIVER** - Section of the Mountain Provinces between the Sutlej and Ganges rivers. No scale. By Capt. J.A.Hodges and Lieut. J.D.Herbert. 1818-19. Sheet 45A, copied in 1842. 2 Mss. [Old reference - Register No.21-0-19].

1801-20/45-45A

**SWAT RIVER** - Rough sketch of the Northern Border of the Peshawar Valley between Swat River and Mora Pass. Scale 1" = 2 mile. By Lieut. H.N. Miller. Drawn in 1852. Copied in 1853. Ms. [Old reference - Register No.21-0-52].

1841-60/32

**SYDENHAM, T.** - Map of the countries ceded by His Highness the Nizam of Hyderabad to the Hon. Company by the Treaty of Hyderabad, 12 Oct. 1800 with the adjacent Districts of the Company's and Mysorean territory. Scale 1" = 11½ miles. By Lieut. T.Sydenham. 1800. 3 Mss. [Old reference - Register No.4-0-01].

1801-20/18-18B

**SYLHET** - Plan exhibiting part of the Boundary between Silhet and Jynta. Sheet 28, on scale 1" = 1 mile. Sheet 28A, on scale 4" = 1 mile. By Lieut. Thomas Fisher. 1822. 2 Mss. [Old reference - Register No.4-0-22].

1821-40/28-28A

SYLHET - [ Map of the Boundary between Sylhet and Jiantia ]. Scale 1" = 1 mile. By Lieut. T. Fisher. 1822. Ms with 1 Proof copy. [ Old reference - Register No. 4-0-22 ].

1821-40/44-44A

- Map of the Boundary claimed by the Rajah of Independent Tipperah [ Hill Tippera ] within the District of Sylhet. Scale 1" = 1 mile. By N. T. Davey. 1850. Copied in 1850. Ms.

1841-60/37

TALBOT, H. B. - Survey of that part of the Boundary between the British and Jamoo territories from the Ravi [ River ] to the Jhilam [ River ]. Sheet 22, on scale 1" = 1 mile. Sheet 23, on scale 1" = 4 miles. Surveyed by Lieut. D. G. Robinson and H. B. Talbot, Joseph James and I. T. Platts. 1850-51. Sheet 23, reduced in 1852. 2 Mss. [ Old reference - Register No. 12-0-51 ].

1841-60/22-23

TALCHEER - See Talcher.

TALCHER - Killah [ Fort ] Talcher, Cuttack Tributary Mahals. Scale 1" = 1 mile. By Lieut. Col. G. H. Saxton and Capt. G. C. Depree. Surveyed in 1853-57 and 1860-61. Copied by Ameer Khan in 1869. Ms. [ Old reference - Register No. 52-0-61 ].

1841-60/108



**TANJORE** - Map of Carical and its District reduced from the Original map of the country of Tanjore. Scale 1" = 4 miles. Reduced in 1810. Ms. [Old reference - Register No.1-0-10].

1801-20/11

**TARAPOOR** - See Tarapur.

**TARAPUR** - North Konkun. No.2. Survey of the Mahim Purgunna and parts of the Seereegaon, Tarapoor, Cheechun and Munnoor Turrufs. Scale 1" = 2 miles. Surveyed by W.Bertie. 1833. Sheet 8A, copied in 1835. 2 Mss. [Old reference - Register No.11-PT-33].

1821-40/8-8A

\_\_\_\_ - Survey of Cheechun and parts of Tarrapoor, Asseeree and Seereegaon turrufs in the Sunjun Talooka. Scale 1" = 2 miles. By W.Aikin. 1833. Sheet 14A, copied in 1835. 2 Mss. [Old reference - Register No.10-PT-33].

1821-40/14-14A

**TARRAPOOR** - See Tarapur.

**TCHE-KLANG** - See Chekiang.

**TELLICHERRY** - Plan of the Line and different works at Tillicherry and the Island of Dermapatam erected during the siege in the years 1779-81. No scale. 1781. 2 Mss. [Sheet 8A, incomplete].

1781-1800/8-8A

**TENASSERIM** - Map of the Kingdom of Ava with the countries adjacent showing the present Boundary of the South-East Frontier of Bengal and the newly acquired territories of the coast of Tenasserim. Scale 1" = 32 miles. Compiled by Maj. J.N. Jackson. 1826. Ms. [Old reference - Register No.3-0-26].

1821-40/11

**TETLEY, C.** - Survey of the Nawaub of Oude's Eastern Boundary. Scale 1" = 4 miles. Protracted from Lieut. Smith's Journal by C. Tetley. 1805. Ms with 1 Proof copy. [Old reference - Register No.2-0-1803].

1801-20/38A-38B

**THARAD** - Sketch of Boundary between the States of Marwar, Palhanpoor, Thurrad and Vow. Sheet 15, on scale 1" = 1 mile. Sheet 15A, 15B, on scale 1" = 4 miles. Surveyed by Capt. John C. Brooke. 1853. Sheet 15, reduced in 1854. Sheet 15A, reduced in 1855. Sheet 15B is an Index. 3 Mss. [Old reference - Register No.31-0-53].

1841-60/15-15B

**THOMSON, [GEORGE]** - Sketch of Ali Musjid. Scale 1" = 400 feet. By Maj. Geo. Thomson and Lieut. H.M. Durand. Copied in 1840. Ms. [Old reference - Register No. 7-0-39].

1821-40/20

**THULLIER, H.L.** - Plan of Calcutta. Scale 1" 380 feet. Surveyed by Frederick Walter Simms. 1847-48. The Suburbs of the Town are from surveys by Maj. H.L. Thuillier and Capt. R. Smyth. Published in 1858. Revised in 1875. 16 Printed copies.

1841-60/61-61'O'

**THUL** - Sketch map of the Road between Thull and Ghuznie showing the Route by the Palwar Kothul and down the Shooturgurdun through Logur [Valley]. Scale 1" = 4 miles. By Lieut. P.S. Lumsden. 1858. Sheet 95A, copied in 1859. 2 Mss and 1 Proof copy. [Old reference - Register No. 13-7-58].

1841-60/95-95B

**THULL** - See Thul.

**THURRAD** - See Tharad.

**TILlicherry** - See Tellicherry.

**TINNEVELLY** - Eastern boundary of Tinnevelly with some of the principal Routes leading through the Province. Scale 1" = 4000 yards. [1805-1813]. Ms. [Old reference - Register No. 7-0-1813].

1801-20/20

\_\_\_\_ - Plan of Tinnevelly District. Sheets 18-19B, on scale 1" = 2000 yards. Sheets 19C-19Q, on scale 1" = 1000 yards. By Thomas Hill. 1813. 18 Mss. [Old reference - Register No. 2-PT-13].

1801-20/18-19Q

\_\_\_\_ - Sketch Boundary between Tinnevelly and Travancore. Scale 1" = 4 miles. [1813]. Ms.

1801-20/21

**TIPPERA** - Southern part of Dacca and low lands of Tipperah with the Islands in the mouth of the Ganges. Scale 1" = 5 miles. Surveyed by Rennell, Ritchie, Martin and Richards. 1764-75. Copied in 1839. Ms. [Old reference - Register No. 164-0-73].

1761-80/9

**TIPPERAH** - See Tippera.

**TIPPERA HILLS** - Panoramic view of the Cachar and Bohman Mountains and Tipperah Hills. No scale. [1822?]. 4 Mss. [Old reference - Register No. 6-0-22].

1821-40/34-34C

**TIRHOOT** - See Tirhut.

**TIRHUT** - Survey made by order of British Government of India of Nepalese boundary on Northern frontier of Tirhoot in North-Bihar. Scale 1" = 2 miles. Surveyed by Lieut. John Peter Boileau. 1817. Ms. [Old reference - Register No. 4-0-17].

1801-20/32

**TONK** - Map of the Boundary of Dah of Tonk with Ooneara, and other villages of Jeypore. Scale 1" = 400 yards. By Jenkins. 1854. Ms. [Old reference - Register No. 15-0-54].

1841-60/16

— - Map of Boundary of Chorea of Tonk with Bunetta of Ooneara. Scale 1" = 400 yards. By Jenkins. 1854. Ms. [Old reference - Register No. 16-0-54].

1841-60/17

— - Map of the Boundary of Eemdownda and Hadowtee villages made over to Tonk by Ooneara with Byleree and Girowtee of Ooneara. Scale 1" = 400 yards. 1854. Ms. [Old reference - Register No. 17-0-54].

1841-60/18

**TRAVANCORE** - Sketch Boundary between Tinnevely and Travancore. Scale 1" = 4 miles. [1813]. Ms.

1801-20/21

**TRIGONOMETRICAL SURVEY** - Map of the operations of the Trigonometrical survey ... in the Peninsula of India. Scale 1" = 48 miles. By Lt. Col. Lambton. 1800-18. Ms. [Old reference - Register No.1-0-18].

1801-20/52

— - Plan of the Trigonometrical Operations carried on in the Peninsula of India. Scale 1" = 8 miles. By Lt. Col. W. Lambton. 1802-14. Published according to Act of Parliament by J. Horsburg, Hydrographer to the Hon. East India Company, London, 1827. 8 Printed sections. [Old reference - Register No.1-0-14].

1801-20/49-49G

— - Plan of the Trigonometrical Operations carried on in the Peninsula of India. Scale 1" = 8 miles. By Lt. Col. W. Lambton. 1802-14. 6 Mss. [Old reference - Register No.1-0-14].

1801-20/51-51E

**TRIGONOMETRICAL SURVEY** - Trigonometrical outline of a survey of the Province of Kumaon. Scale 1" = 5-5/8 miles. By W.S. Webb. [1821 ?]. Ms. [Old reference - Register No. 6-0-21].

1821-40/32

— - General map of India designed to illustrate the extent of Great Trigonometrical Survey and of the smaller triangulations of various detached Surveys as well as the progress of those instituted in the Revenue Deptt. Scale 1" = 64 miles. Lithographed in 1829. 6 Lithographs. [Old reference - Register No. 1-0-29].

1821-40/16-16F

**TUCKER**, [ ] - Route from Jelalpoor to Mitta. No. 2. Scale 1" = 2 miles. By Lieut. Tucker, 1850. Copied in 1850. Ms. [Old reference - Register No. 13-0-50].

1841-60/30

**TURNBULL, THOMAS** - Dindigul Taluk. Scale 1" = 1 mile. [By Thomas Turnbull]. 1816. 14 Mss. [Old reference - Register No. 3-PT-15].

1861-80/22-22M

**TWENTY-FOUR PARCELS** - No. 1. Map of the city of Calcutta and Panchagarum, District 24-Purgunnahs. Scale 1" = 1 mile. 1831-53. Ms.

1841-60/55

**TYTLER, W. FRASER** - Plan of the Fortress of Ghuznee.  
Scale 1" = 140 yards. By W. Fraser Tytler. 1839. Copied  
in 1840. Ms. [Old reference - Register No. 10-0-39].

1821-40/38

— - Plan of Kandahar. Scale 1" = 200 yards. By W. Fraser  
Tytler. 1839. Copied in 1840. Ms. [Old reference -  
Register No. 3-0-39].

1821-40/42

**UJJAIN** - Sketch of the Encampments of the 1st and 3rd  
Divisions of the Army of the Deckan [near Oojein].  
No scale. 1817. Ms.

1801-20/58

**UNGOOL** - See Angul.

**UNIARA** - Map of the Boundary of Dah of Tonk with Ooneara  
and other villages of Jeypore. Scale 1" = 400 yards. By  
Jenkins. 1854. Ms. [Old reference - Register No. 15-0-  
54].

1841-60/16

— - Map of the Boundary of Chorea of Tonk with Bunetta  
of Ooneara. Scale 1" = 400 yards. By Jenkins. 1854. Ms.  
[Old reference - Register No. 16-0-54].

1841-60/17



**UNIARA** - Map of the Boundary of Eemdownda and Hadowtee villages made over to Tonk by Ooneara with Bylerree and Girowtee of Ooneara. Scale 1" = 400 yards. 1854. Ms. [Old reference - Register No. 17-0-54].

1841-60/18

**VAV** - Sketch of Boundary between the States of Marwar, Palhanpoor, Thurrad and Vow. Sheet 15, on scale 1" = 1 mile. Sheet 15A-15B, on scale 1" = 4 miles. Surveyed by Capt. John C. Brooke. 1853. Sheet 15, reduced in 1854. Sheet 15A, reduced in 1855. Sheet 15B is an Index. 3 Mss. [Old reference - Register No. 31-0-53].

1841-60/15-15B

**VOW** = See Vav.

**WALKER, JOHN** - Map of the countries North-West of the Frontier of India. Scale 1" = 22 miles. Compiled from the surveys of Lieut. I. Wood and Maj. R. Leech by John Walker. Published in 1841. Inset map - "Map of the countries between Russia, Turkey and India". 2 Printed copies.

1841-60/88-88A

**WALKER, J.T.** - Extract from the map of the Jamoo, Kashmir and adjacent Districts. Surveyed by Capt. T. G. Montgomerie. 1856-60. Scale 1" = 4 miles. Extracts taken by Maj. J. T. Walker. 1861. Ms.

1841-60/65

**TYTLER, W. FRASER** - Plan of the Fortress of Ghuznee.  
 Scale 1" = 140 yards. By W. Fraser Tytler. 1839. Copied  
 in 1840. Ms. [Old reference - Register No. 10-0-39].

1821-40/38

— - Plan of Kandahar. Scale 1" = 200 yards. By W. Fraser  
 Tytler. 1839. Copied in 1840. Ms. [Old reference -  
 Register No. 3-0-39].

1821-40/42

**UJJAIN** - Sketch of the Encampments of the 1st and 3rd  
 Divisions of the Army of the Deckan [near Oojein].  
 No scale. 1817. Ms.

1801-20/58

**UNGOOL** - See Angul.

**UNIARA** - Map of the Boundary of Dah of Tonk with Ooneara  
 and other villages of Jeypore. Scale 1" = 400 yards. By  
 Jenkins. 1854. Ms. [Old reference - Register No. 15-0-  
 54].

1841-60/16

— - Map of the Boundary of Choree of Tonk with Bunetta  
 of Ooneara. Scale 1" = 400 yards. By Jenkins. 1854. Ms.  
 [Old reference - Register No. 16-0-54].

1841-60/17

**UNIARA** - Map of the Boundary of Eemdownda and Hadowtee villages made over to Tonk by Ooneara with Bylerree and Girowtee of Ooneara. Scale 1" = 400 yards. 1854. Ms. [Old reference - Register No. 17-0-54].

1841-60/18

**VAV** - Sketch of Boundary between the States of Marwar, Palhanpoor, Thurrad and Vow. Sheet 15, on scale 1" = 1 mile. Sheet 15A-15B, on scale 1" = 4 miles. Surveyed by Capt. John C. Brooke. 1853. Sheet 15, reduced in 1854. Sheet 15A, reduced in 1855. Sheet 15B is an Index. 3 Mss. [Old reference - Register No. 31-0-53].

1841-60/15-15B

**VOW** = See Vav.

**WALKER, JOHN** - Map of the countries North-West of the Frontier of India. Scale 1" = 22 miles. Compiled from the surveys of Lieut. I. Wood and Maj. R. Leech by John Walker. Published in 1841. Inset map - "Map of the countries between Russia, Turkey and India". 2 Printed copies.

1841-60/88-88A

**WALKER, J.T.** - Extract from the map of the Jamoo, Kashmir and adjacent Districts. Surveyed by Capt. T. G. Montgomerie. 1856-60. Scale 1" = 4 miles. Extracts taken by Maj. J.T. Walker. 1861. Ms.

1841-60/65

**WAUGH, A.S.** - Military map of Hazara. Scale 1" = 2 miles. Surveyed by Lieut. D.G. Robinson. 1848-49. Revised by Lieut. Col. A.S. Waugh. 1854-55. 5 Mss. [Old reference - Register No. 18-0-55].

1341-60/28-28D

**WEBB, W.S.** - Trigonometrical outline of a survey of the Province of Kumaon. Scale 1" = 5-5/8 miles. By W.S. Webb. [1821?] Ms. [Old reference - Register No. 6-0-21].

1821-40/32

**WILCOX, JOSHUA** - [Boundary between Sirhind and Punjab]. Scale 1" = 8 miles. [By Joshua Wilcox. 1825]. Ms. [Old reference - Register No. 5-0-26].

1821-40/21

**WILLIAMS, MONIER** - Kurungottee District and the adjacent French territory. Scale 1" = 3 furlongs. Surveyed by Lieut. Monier Williams. 1802. Sheets 26B-26C, of 1816. Sheet 26D, copied in 1817. 5 Mss. [Old reference - Register No. 3-0-1802].

1801-20/26-26D

WILSON, E. - Map of Routes in Oudh and part of Rohilkhand. Scale 1" = 4 miles. Compiled from Col. Colebrooke's Detached Route Surveys of 1808 by E. Wilson. 1834. Ms. [Old reference - Register No.14-0-34].

1821-40/31

WOOD, I. - Map of the countries North-West of the Frontier of India. Scale 1" = 22 miles. Compiled from the surveys of Lieut. I. Wood and Maj. R. Leech by John Walker. Published in 1841. Inset map - "Map of the countries between Russia, Turkey and India". 2 Printed copies.

1841-60/88-88A

WOOD, THOMAS - Survey of Gwahatty in Assam and the adjacent country .... Scale 1" = 1500 yards. By Thomas Wood. 1794. 2 Mss. [Old reference - Register No.1-0-1794].

1781-1800/1-1A

— - Map of the part of the Province of Oude. Scale 1" = 3 miles. By Lieut. Thomas Wood. 1799. Ms.

1781-1800/5

**WOOD, THOMAS** - Survey of that part of the boundary from the River Goomti upto the Mountains betwixt the territories of His Highness the Nawaub of Oude and those lately ceded by him to the Honourable Company. Sheets 36-36C, on scale 1" = 1-1/3 miles. Sheets 36D-36E, on scale 1" = 4 miles. Surveyed by Capt. Thomas Wood. 1802. 6 Mss. [Old reference - Register No. 5-0-1802].

1801-20/36-36E

**WROUGHTON, R.** - Map exhibiting the Localities of Coal extending from 11° to 28° North Latitude and from 77° to 101° East Longitude [Bengal]. Scale 1" = 48 miles. Compiled by Capt. R. Wroughton. 1845. Ms. [Old reference - Register No. 4-0-45].

1841-60/81

**YEOTMAL** - Part of District Yeotmal, Berar. Scale 1" = 1 mile. Surveyed by J. Mulheran. 1857-58. Extracted from the Original. Ms.

1841-60/51

**PART II**

**BIOGRAPHICAL SKETCHES OF THE SURVEYORS**





## SKETCHES OF SURVEYORS

**ANDERSON, F.C.**

**Born - July 26, 1827**

**Died - February 3, 1902.**

**Ensign - Bengal Infantry - December 13, 1845;**

**Lieut. Colonel - December 13, 1871; Major General -  
July 1, 1886.**

Anderson entered the Survey Department as Deputy Superintendent Revenue Survey on September 10, 1852, and was asked to survey Banda district from 1856 to 1876. Anderson surveyed the districts of Leiah, Muzaffargah and Shahpur in Punjab and the districts of Partabgarh, Rai Bareilly, Sultanpur, Sitapur, Kheri and Gonda in Oudh. In between, he was made Boundary Commissioner for the boundary settlement between Oudh and Nepal. His two maps of this settlement are available in the Catalogue. During 1876-77, Anderson surveyed about 732 square miles of cadastral surveys of Mathura and Banda districts. From 1878-83, he had completed the survey of Mirzapur and the Tarai region before he retired in 1888.

**BECHER, John Reid.**

**Born - July 3, 1819**

**Died - July 9, 1884.**

**2/Lieut. Bengal Engineers - December 11, 1837;**

**Colonel - October 13, 1863; Retired - 1866.**

He was with the Army of the Indus in 1840. During 1846-47, he was incharge of Trans-Sutlej Revenue Survey.

Between 1849-50 when as Boundary Commissioner, he prepared interesting maps demarcating the boundary between Sind and Jodhpur and Sind and Marwar. These maps are included in this Catalogue. He was Deputy Commissioner of Hazara during 1853-59 and Commissioner of Peshawar in 1864.

**BEDINGFIELD, Richard Gurdon.**

Baptized - September 5, 1802. Died-April 4, 1829.

2/Lieut. Bengal Artillery - April 8, 1819;

Lieut. - June 13, 1820.

He joined the force when Burlton was advancing on Rangpur, capital of Assam in January 1825. He compiled a map of Chindwin river in 1826 and surveyed the route from Goalpara to Gauhati and also prepared the maps of Assam rivers. His map of the southern boundary of Darrang of 1828 is in the collection now catalogued.

**BEDFORD, James.**

Baptized - March 1, 1788. Died - March 31, 1871.

Ensign, Bengal Infantry - March 29, 1810.

In 1821, he conducted surveys at Moradabad. He became Assistant Revenue Surveyor of Moradabad and Rohilkhand on November 27, 1821. On December 19, 1822, he was made Revenue Surveyor Incharge of Sahaswan. During Burmese war, in October 1824, he

was sent to survey Assam. He surveyed Brahmaputra and Lohit to Brahmakund and Dihang to Paisal. During 1832-43, he was Deputy Surveyor General in Charge of Revenue Surveys. His maps of Assam-Burma border of 1826 and Aligarh-Bulandshahr border of 1835 are amongst this collection.

**BLAKE, Benjamin.**

Born - August 6, 1788.

Died - March 12, 1838.

Ensign, Bengal Infantry - September 17, 1806; Battalion Major - January 10, 1837.

Blake was attached during 1808-09 with Ochterlony's force as surveyor and compiled map of Metcalfe's route to Lahore. During 1809-10, he prepared maps of his route from Rewari to Saharanpur and also of the upper parts of the Doab. During 1809-11 he was busy with various routes in the Doab. From December, 1811 to March, 1812, he stayed at Calcutta and finished his maps. Before joining the Nepal war in 1814 he had taken observations to mark the position and measure the height of Dhaulagiri. On November 15, 1816, he went on leave. From February 8, 1822, he was posted as River-Surveyor to survey Salt Agencies in Bhulua (Noakhali) and Chittagong. His map of Bhulua district of 1824 is amongst the collection now catalogued. On October 5, 1824 he was called again to military duty.

**BLUNT, James Tillyer.**

Born - 1765.

Died - October 20, 1834.

Ensign, Bengal Engineers - February 15, 1785; Captain  
- January 1, 1806; Retired - February 9, 1810.

From June 1787 he took up astronomical observations up the Ganges to Patna as an Assistant to Burrow. In 1792, he surveyed the route of the Nizam's Army from Seringapatam to Hyderabad. During 1792-93 as an Assistant to Thomas Anburey he surveyed the route from Hyderabad to Kalpi. In the following years he worked with Charles Reynolds as his assistant on surveys from Allahabad to Panipat and back to Lucknow. He measured the height of Qutub Minar trigonometrically in 1794. In 1795, he surveyed the route from Chunar to Rajamundri. The map of his survey of Cuttack Town and Fort during 1803 is included in this Catalogue.

**BOILEAU, Alexander Henry Edmonstone.**

Born - February 3, 1807.

Died - June 30, 1862.

2/Lieut. Bengal Engineers - June 17, 1824; Major  
General - October 11, 1860.

From October 1827 to April 1828, he surveyed the route from Allahabad to Kanpur; and from October 1828, the route from Agra to Bharatpur was surveyed. In 1828, he made the measurements of the Taj at the request of Hodgson and in 1833, he conducted a traverse survey across Jumna plain through Meerut and Meerutnagar. During 1835, he made wonderful landscape sketches of Jodhpur, Bikaner and Jaipur some of which are incorporated in the Catalogue.

**BOILEAU, John Peter.**

Baptized - January 10, 1790. Died - December 1, 1818

Ensign, Bengal Infantry - October 2, 1805; Lieut. - October 26, 1805.

On March 16, 1816, he was appointed to command escort of Resident at Kathmandu, Nepal and was also posted as Postmaster to the Residency. During 1817-18 he surveyed frontier with Nepal. His maps of the period showing the Nepal frontier with the British India and also with north Bihar are listed in the Catalogue.

**BROOME, Arthur.**

Born - February 7, 1810. Died - March 27, 1871.

2/ Lieut. Bengal Artillery - December 13, 1827; Major General - March 6, 1868.

On August 21, 1838 he became Aid-de-Camp to Governor General and in 1838-39, he was with the Army of the Indus. In June 1839, he surveyed the hills north of Simla with A. Cunningham and prepared a map showing the sources of the Punjab rivers. This map is included in the collection now catalogued. He drew in 1840 a plan of Roree, Sukkur and Bukkur.

**CHEAPE, John.**

**Born - October 5, 1792.**

**Died - March 30, 1875.**

**Ensign. Bengal Engineers - November 3, 1809; General - December 6, 1866.**

On August 13, 1814 Cheape was appointed to survey Chittagong. His panoramic view of Chittagong hills drawn in 1819 finds a place in the Catalogue. On February 27, 1823 he was made Assistant Surveyor General. In October 1823, he was asked to continue the survey of Chittagong-Arakan border and his map of the period is available in the Catalogue. After sometime being posted with the army to Rangoon, he resumed his survey work and was again appointed Assistant Surveyor General on September 22, 1825. On September 30, 1825 he was asked to survey the new Jagannath road. During 1829, he surveyed routes from Hooghly to Burdwan and Midnapore to Bishenpur.

**COLEBROOKE, James.**

**Born - 1772/73.**

**Died - January 18, 1816.**

**Lieut. Madras Infantry - April 1, 1793; Captain - May 7, 1800; Lieut. Colonel - 1814/15.**

On October 8, 1799 he was appointed Captain of Guides. During 1800, he surveyed Lord Wellesley's marches in pursuit of Dhondhia on and behind north west frontiers of Mysore. This very neat and artistic map is included in this Catalogue. From January to March 1801, he surveyed route of Stevenson's column through Wynad and Kottayam. During later part of 1801, he was engaged

in minor triangulations and survey of roads with William Lambton in Mysore. In 1802, he surveyed West Mysore and in 1803, he did valuable work surveying the marches of Nizam's Subsidiary Force under Lord Wellesley.

COLEBROOKE, Robert Hyde.

Born - 1762/3.

Died - September 21, 1808.

Lieut. Bengal Infantry - November 9, 1778; Lieut. Colonel - November 2, 1803.

On November 15, 1783, R.H.Colebrooke was appointed as surveyor. He surveyed the route of Pearse's detachment to Madras in 1785; worked as assistant to Surveyor General for office duties; and he was again the assistant with Kyd on his survey of Andaman and Nicobar islands during 1789-90. During 1791-92, he surveyed the marches of the army under Cornwallis in 2nd Mysore war. In 1793, during the absence of Kyd, he officiated as Surveyor General but finally succeeded him on February 7, 1794. He surveyed various channels between Ganges and Hooghly during 1794-95 and in the following year he surveyed the Ganges from Jalangi to Colgong. On August 15, 1801 he left office again to extend the survey from Colgong to Patna where he arrived on October 6, 1801 then went up to Allahabad. His map of 1802 of the country ceded by Wazir of Oudh to the Company by the treaty of Lucknow of 1801 is included in the Catalogue.

On April 14, 1807 he left Calcutta to undertake the survey of "the ceded and conquered Provinces" by way of the Sundarbans and Dacca. He took his survey up the Gogra and then up the Rapti beyond Gorakhpur, making his first observations of the Himalayan peaks. He went 60 miles above Bahramghat taking his survey. He turned up the Sarju river also for a few days surveying before returning to Oudh reaching there on September 28, 1807 and once again reached the Ganges on October 10, the same year. He went up the Ganges reaching Benares on October 23, stopping on way at Buxar and Ghazipur. He reached Kanpur on November 30, and then by land route he went to Rohilkhand, moving down to Bareilly reaching there on April 17, 1808. On the 1st of August, Colebrooke set out from Bareilly by boat down the Ramganga and on the 10th he turned up the Dewah river up to Pali. His map of routes in Oudh and Rohilkhand of 1808 is available in this Catalogue.

Colebrooke had spent over 30 years in India. His last 19 years were devoted entirely to survey work. He was Surveyor General of Bengal from 1794 to 1808.

COLLINS, Charles James.

Born - March 18, 1785.

Died - December 6, 1804.

Lieut., Madras Infantry - July 20, 1801.

During 1803, Charles James Collins was occupied on route surveys in Orissa including one along Mahanadi river for about 80 miles west from Cuttack which he surveyed during October-November 1803 and is included in this Catalogue.



**COWPER, William.**

Born - April 12, 1774.

Died - May 27, 1825.

Ensign, Bombay Engineers - April 1, 1793; Brevet Lieut. Colonel - June 4, 1814; Retired - December 16, 1818.

Worked as assistant to John Johnson and surveyed the coast and interior of Malabar in 1792. During 1804-05, he surveyed the route of the Division of the Bombay Army under the command of General Jones. This map is included in the Catalogue. He was with Poona Subsidiary Force in 1812 and surveyed its routes.

**CUNNINGHAM, Alexander.**

Born - January 23, 1814.

Died - November 28, 1893

2/Lieut. Bengal Engineers - June 9, 1831; Colonel - June 16, 1860.

In 1835, he compiled a map of the country between Mughalsarai and Mirzapur. During his travels with Lieut. A. Broome to the sources of the Punjab rivers, a beautiful map of the region was prepared by him in 1836; in 1846, a plan of the Fortresses of Gwalior was also made by him; again, during the same year, he prepared a map showing the boundaries of Kashmir and British India. All these maps are mentioned in the Catalogue. He was appointed as Joint Boundary Commissioner of Tibet frontier during 1846-47 when he made several sketches from Ladakh to Spiti.

He was a prolific writer. His journal of a trip through Kulu and Lahoul to Ladakh was published at Simla in 1847; Ladak, Physical, Statistical, and Historical was published at London in 1854 and his *Bhilsa Topes or Bhuddist Monuments of Central-India*, at London also in 1854.

He was a keen archaeologist and numismatist. His well known "Ancient Geography of India" was published in London in 1871. He was Archaeological Surveyor to the Government of India from 1861-65 and Director of Archaeological Survey during 1870-85.

DAVEY, N.T.

Born - December 18, 1823.      Died - March 4, 1873.

Davey was appointed as Assistant Revenue Surveyor on February 7, 1841 in the Surveyor General's Office at Calcutta. During 1841-1857, he was attached with the Revenue surveys of Midnapore and Lower Provinces. During this period, in February-March 1850, he surveyed the territory claimed by the Raja of Hill Tipperah. This map is available in this Catalogue. From 1857, he became Revenue surveyor incharge of several revenue survey parties. One of his surveys of Dacca of July 1859 finds a mention in the Catalogue.

**DE PREE, G.C.**

Born - August 2, 1832.

Died - February 18, 1887.

2/ Lieut. Bengal Artillery - 1850.

He surveyed Tongpu pass between Arakan and Burma in 1851 before he joined the Survey Department on October 20, 1854. In this year he was ordered to survey Ganjam and Cuttack Tributary Mahals. In 1856, De Pree took charge of newly organised North-East Division Central Provinces Survey which was concluded in 1875-77. One of the plan of a fort in the region prepared along with Saxton in 1860-67 is included in the Catalogue. It included the region extending from Bay of Bengal at Balasore to near Jabalpur, nearly 25,000 square miles area, comprising Chota Nagpur Division and the Rewah State and Bilaspur district including the high plateau from which rises the Nerbada river near Amarkantak, the Mahanadi and the Son rivers (1872), the Amarkantak plateau (1873); Rewah State (1874); the western portion of Mandla and the northern part of the Bilaspur district in the Central Provinces. From 1883 to 1884 he officiated as Surveyor General and was confirmed in 1884. He died on February 18, 1887.

**DURAND, Henry Marion.**

Born - November 6, 1812.

Died - January 1, 1871.

2nd Lieut. Bengal Engineers - June 12, 1828; Major General - March 1, 1867.

H. M. Durand conducted surveys and submitted reports on the drainage of swamps near Delhi in 1833. By the end

of this year he also surveyed the routes through Sind, Bolan Pass, Quetta, Kandahar and Ghazni. His plans of Ali Masjid and Ghazni of 1839 are included in this Catalogue.

#### FISHER, Thomas

Born - March 25, 1798.

Died - July 24, 1847.

Ensign, Bengal Infantry - March 13, 1818; Major - February 19, 1847.

Thomas Fisher was first appointed to revenue survey of Sylhet on August 1, 1822. He was appointed Deputy Assistant Quarter Master General for surveys and general duties on February 22, 1823. In September 1828, he surveyed routes along the rivers to Mymensingh and back over the hills to Bansicoorah settling the boundaries with the Kosiahs.

#### FRANCKLIN, William.

Born - 1763.

Died - April 12, 1839.

Ensign, Bengal Infantry - January 31, 1783; Lieut. Colonel - December 16, 1814; Retired - December 1825.

In June 1802, he compiled a sketch of Hariana from material supplied by George Thomas. During November 1814 to March 1815, he surveyed Chandan river from its source near Deoghar to its junction with Ganges at Bhagalpur. To illustrate his marches during 1813-20 he compiled a map of Jungleterry district. This map is listed in the Catalogue.

GARDEN, William.

Baptized - March 8, 1790. Died - July 29, 1852.

Ensign, Bengal Infantry - November 29, 1813; Brevet Colonel - August 2, 1850.

On October 14, 1814 he surveyed Chittagong as an Assistant Surveyor. On January 28, 1815 he was withdrawn from active military duty. On August 31, 1817, he was deputed to survey the frontier between Nepal and Champaran and during 1818-19, he surveyed the routes in Rohilkhand. During 1823, as Assistant Quarter Master General of Malwa Force, he surveyed routes to Saugor and Hoshangabad. During 1839-40, he did useful survey work in Afghanistan. His maps of Nepal boundary and routes in Afghanistan are in the collection now catalogued.

GARLING, James.

Born - May 16, 1784. Died - August 4, 1820.

Lieut. Madras Infantry - September 21, 1804; Brevet Captain - January 1, 1818.

Garling joined Madras Military Institution in April 1805. In April 1806, he became Assistant Instructor. From November 1808 to April 1809, he did mapping work in Bombay. In December 1809, he started extending Lambton's triangles to Kalahasti and Tirupati, north of Madras. From November 1810 till January 1813, he was engaged in the survey of Goa, and then took up the survey of Sonda or North Canara completing it by September 1815. From 1816 till his death on August 4, 1820 he was surveying the Nizam's dominions. These maps are included amongst the collection now catalogued.

**GERARD, Alexander.**

**Born - February 17, 1792.      Died - December 15, 1839**

**Ensign, Bengal Infantry - September 9, 1808; Captain - May 13, 1825; Retired - February 15, 1836.**

During January-February 1812, he surveyed the route of Ochterlony to Lahore and back; during October-November route from Ludhiana to Bareilly was also surveyed. On October 21, 1814, he was appointed to the Revenue Survey in Saharanpur under Board of Commanders which had already commenced on January 12, 1814. He was withdrawn for military duty but in February 1819, he was again deputed to survey Saharanpur, Moradabad and Dehra Dun. By the end of 1819, he had to leave his surveys. The account of his Himalayan journeys, with a map, was published in 1841 by George Lloyd under the title - An Account of Koonawur in the Himalaya. In 1822, he again resumed his survey work but now surveyed Malwa and Rajputana. From November 21, 1822 to January 27, 1823, he took astronomical observations near the Taj and continued his survey through Gwalior and Sironj to Bhopal. He surveyed a route from Herat to Peshawar in 1833.

**HERBERT, James Dowling.**

**Born - August 1791.      Died - September 25, 1833**

**Ensign, Bengal Infantry - March 18, 1808; Captain - June 3, 1824.**

He surveyed the route of his detachment in the north of Gorakhpur in May 1814. During 1818-19, he along with Captain J.A. Hodgson, prepared a map of the territory between the Sutlej and the Ganges when they surveyed

Garhwal and Simla hills. This map also finds a place in this Catalogue. During this period, he explored the upper feeders of the Ganges above Gangotri and north of Himalayan range. In 1819 he also surveyed hills north of Landour. He took charge of the Surveyor General's Office on December 19, 1821. On Hodgson's departure, he became Acting Surveyor General but on Walpole's appointment on September 14, 1829, he became Deputy Surveyor General of Bengal and Superintendent of Revenue surveys.

HILL, Thomas.

Born - March 1786.

Died - March 20, 1846.

Hill became apprentice in the Surveyor General's Office, Madras in 1803. In 1813, he compiled a map of Tinnevely district. This map is available in this Catalogue. He was posted to Hyderabad survey, as an assistant surveyor, in 1816 where he worked till 1819. After the death of Carling, he took temporary charge of the survey till 1821. From then on, he continuously worked on Hyderabad surveys and mapping of the area till November 1825 when the work was stopped and the party moved to Calcutta. There the remaining mapping work was carried out. The survey work of Hyderabad was resumed in May 1827 and the party surveyed and mapped till 1830. On February 9, 1830, Hill retired.

HODGES, Alexander.

Baptized - August 24, 1800. Died - September 6, 1841.

Ensign, Bengal Infantry - March 4, 1820; Captain - October 12, 1834.

From 1827 to 1828, he was engaged in the Saharanpur Revenue Survey. During 1828-35, he was Revenue Surveyor of Sundarbans. In 1829, he made a new and Improved Map of Sundarbans. During 1831-34, he surveyed Noakhali district and islands of Meghna river including Sandwip. In 1836, a sketch plan of Baumney with the road and coast to Noakhali was prepared by him and this map is included in the Catalogue.

HODGSON, John Antony.

Born - July 2, 1777. Died - March 28, 1848.

Ensign, Bengal Infantry - January 19, 1800; Major General - November 3, 1841; Surveyor General of India - 1821-23; 1826-29.

Arrived in India in March 1800. From 1803-05, he did survey work in Ceylon. From 1805-06 he took part in Maratha War. During 1809-10, with Ochterlony's force, he surveyed routes from Ludhiana to Hansi and Hissar. In 1813, he was asked to survey Upper Doab as an assistant to F. S. White. In October 1813, he took charge of the survey and carried it upto the region beyond Saharanpur. In April 1814, he climbed, Bhadraraj, 9 miles west of Mussoorie and took observation of the snowy Himalayan peaks. In September 1814, he was back in Calcutta. In October 1815, he was appointed to



survey the north-west mountain provinces and the sources of the rivers which lasted till August 19, 1818 when he resigned the survey job because of ill-health. A map of this region by him is available in this Catalogue. Hodgson succeeded Mackenzie on his death on May 8, 1821 as Surveyor General of India for a short period till October 1823 when Blacker took over. During this brief period he started the revenue surveys of the Upper Provinces. He then became Revenue Surveyor General and moved to Fatehgarh. Once again Hodgson became Surveyor General of India on the death of Blacker on March 4, 1826. A map of this period of Jumna between Allahabad and Agra is also listed in the Catalogue. His health now failed again and he went to England on leave on January 24, 1829. On December 15, 1833, he returned back to India but was posted on military duty till his death at Ambala on March 28, 1848.

JACKSON, James Nesbitt.

Born - August 16, 1788.

Died - June 8, 1832.

Ensign, Bengal Infantry - April 27, 1805; Major - March 2, 1830.

During 1814-15, while attached with Ramgarh Battalion, J.N. Jackson was ordered to survey boundary between Burdwan, Hooghly and Midnapore. He took part in Nepal War joining the army on January 6, 1815. From January 1, 1817 he was with Quarter Master General's Department occasionally engaged with survey work. From January to May 1819, he surveyed route from Midnapore to Nagpur. On March 27, 1824, he was ordered to proceed to Burma with the expedition as Deputy Quarter Master General. He observed the latitude of Rangoon. His map of the kingdom of Ava including adjacent territories is included in the Catalogue.

JACKSON, Philip.

Born - September 24, 1802. Died - 1879.

2/Lieut., Bengal Artillery - April 11, 1819; Captain - December 1, 1834; Retired - January 4, 1836.

He was appointed Executive Officer, Singapore on December 18, 1824. He was then made Surveyor of public lands on May 27, 1826. His map of Singapore of 1824 is amongst the maps now listed in the Catalogue. He also prepared a map of Ava, Cochín China and Siam in 1824.

JACOB, John.

Born - January 11, 1812. Died - December 5, 1858.

Lieut., Bombay Artillery - January 1, 1828; Colonel - March 20, 1857.

Sketch of Bukkur Fort, dated August 10, 1839 prepared by John Jacob during his expedition in Sind is amongst the collection now catalogued. He surveyed a route from Gujarat to Hyderabad and Sukkur via Nagar Parkar. From December 1841 he commanded Sind Irregular Horse and had distinguished himself in military and political services in west Sind and throughout he encouraged local surveys and maps.

JOSEPH, Charles.

Born - August 1, 1802.

Died - June 4, 1859.

He was, in 1823, appointed as draughtsman in the Surveyor General's Office, Madras. He was brought to Bengal Office and there carried out large scale surveys and prepared maps of the environs of Calcutta. In 1841, he carried out the topographical survey of the Hooghly river from Bandel to Garden Reach. In 1842, he prepared a map of the Dannish Settlement of Serampore in Bengal. This map is included in the Catalogue. He had, in 1845, compiled a map of Goalpara based on various surveys conducted by others. In the same year a road to Benaras was also surveyed by him.

LAMBTON, William.

Born - 1753.

Died - January 20, 1823.

Ensign, His Majesty's 33rd Foot - May 6, 1782; Lieut. - March 1, 1794; Captain - June 25, 1803; Major - May 19, 1808; Battalion Lieut. Colonel - June 4, 1814.

Before coming over to Indian scene, Lambton had done useful survey work in America. In August 1796, his regiment moved to the East Indies but since the expedition was called off, Lambton, along with his regiment landed at Hooghly in October 1797. In India, he first took part in the Mysore war, the siege and capture of Seringapatam fort under Col. Wellesley. It was during this period that Lambton conceived the idea put forth by him in November 1799 before the Government for "Mathematical and Geographical Survey" that would first extend from sea to sea across the peninsula and ultimately could be extended

to the whole of the country. Government's approval came in February 1800. First Base-line was measured near Bangalore and preliminary triangulation across Mysore started. In 1802, a Base-line at St. Thomas' Mount near Madras was measured which formed the starting point of his triangulation, north and south, east and west. This was the beginning of the Great Trigonometrical Survey of India. Triangulation of the whole of the peninsula was completed by 1810 and during 1811, it was extended northwards. During 1812, Lambton himself suspended Triangulation work and was busy in computing the mass of observations already done. In the meanwhile, his able assistants carried on and extended the triangulation. By 1815, Lambton had covered the whole of the peninsula south of the river Kistna. The Maratha war forced the work to halt from 1816-18 when it was again taken up and in July 1821, he started the northward extension of his great Arc. At the end of 1822, therefore, Lambton decided to move his headquarters from Hyderabad to Nagpur along with the whole of equipment but, on way, near Nagpur, on January 20, 1823, at Hingan Ghat, he expired. Many of his maps covering the period from 1800 to 1818 are included in this Catalogue.

LEECH, Robert.

Born - December 7, 1813.

Died - September 2, 1845.

2/ Lieut., Bombay Engineers - December 8, 1831;

Lieut. - June 28, 1833; Major (local) - August 7, 1838.

In 1836, along with Alexander Burnes, he marched up the Indus. During 1838, he surveyed Khyber Pass with Assistant James Nock. His surveys of the regions on the

north-west of India of the period 1836-38, were incorporated by John Walker in his map published in 1841. This map is in the Catalogue. In 1844 he became 1st Assistant to Assistant Governor General at Ambala and compiled a map of the region in 1845.

**MACKENZIE, Colin.**

Born - 1754.

Died - May 8, 1821.

Ensign, Madras Engineers - May 16, 1783; Colonel - August 12, 1819; S. G. Madras - 1810-15; S. G. of India - 1815-21.

During 1784-90, he was busy with the surveys of Dindigul, Nellore and Guntur districts. From 1790-92, he was on military duty as Chief Engineer. He surveyed Nizam's territories during 1792 to 1798. During the final assault on Seringapatam, he laid the plan of the siege batteries on May 4, 1799. He prepared maps for the settlement of the Mysore boundaries with its neighbours. He was asked to make detailed survey of the Mysore territory which he completed in 1808. From 1808 till 1810 he was appointed Barrack Master and allowed to remain at Madras to complete the geological and archaeological work along with the charge of the Ceded Districts Surveys many maps of which are available in the Catalogue. From 1810 till 1815, he was Surveyor General, Madras and forthwith, he took up the reorganisation of the Survey Department at Madras. But before it could be completed, he was ordered to proceed to Java on March 12, 1811, where he made a geographical and statistical report of Java. On July 16, 1813 he sailed back for India reaching Hooghly on August 17, 1813. He remained in

Bengal to finish his reports about Java which he submitted on February 18, 1815 and reached Madras on March 30, 1815. Here, on May 1, 1815, he was appointed as the Surveyor General of India but was allowed to stay at Madras to complete the reorganisation of the Department which he had started and where he stayed till July 17, 1817. Mackenzie reached Hooghly on July 24, 1817. Since his arrival at Calcutta, Mackenzie was not keeping good health and on May 8, 1821, he died.

MARTIN, Claud.

Born - January 4, 1735.                      Died - September 13, 1800.

Ensign, Bengal Infantry - September 17, 1763; Major General - February 26, 1795.

During 1764-72, Martin surveyed the country south of the Ganges and east of the Hooghly towards Bakerganj including the province of Krishnagar which was surveyed in 1771. This map finds a place in the Catalogue. In 1791, he took part in the Mysore War.

MAXWELL, William.

Born - July 19, 1814.                      Died - January 30, 1882.

2/Lieut., Bengal Artillery - December 8, 1831; Colonel - September 30, 1865; Retired as Hony. Major General - August 1, 1872.

Maxwell was appointed as Assistant Revenue Surveyor on October 22, 1838 joining Fordyce, the Revenue Surveyor, in the survey of Agra district. Maxwell took charge of the survey party on September 25, 1839 when Fordyce

went on leave. During this period, he surveyed city and cantonment of Agra. On March 18, 1841, he was promoted as Revenue Surveyor. He surveyed Ghazipur and Benares during 1841. From December 1841 till 1843 he surveyed Patna and moved his party to Saran district at the end of 1843. During 1846, he surveyed the Hill Tippera region. This map finds a place in the Catalogue.

MONTGOMERIE, Thomas George.

Born - April 23, 1830.

Died - January 31, 1878.

Montgomerie joined the Great Trigonometrical Survey in October 1852. In 1853, he assisted A.S. Waugh, the Surveyor General in the measurement of a new Base-line at Chuck near Attock. From December 1854 to January 20, 1855 he again assisted Waugh in the measurement of another Base-line at Karachi. With the completion of these Base-lines, the trigonometrical survey of the Kashmir began in 1855. In the very first season, he carried the triangles across the Pir Panjal range into Kashmir. After continuous triangulation for ten years, Montgomerie went home on leave in 1865. On May 1, 1867, he returned back to India and resumed his work, not in Kashmir, but in Kumaun and Garhwal. For the trans-frontier explorations in the north-west into the Hindu-Kush, Valley of the Oxus and Eastern Turkistan, he used the Pathans and for the northern sector into Tibet, he sent mostly the Bhutias after training them in the art of route surveys. He thus gained very useful topographical and geographical information of the regions from 1864 till 1875, when he retired as Senior Deputy Superintendent of Great Trigonometrical Survey, due to ill-health.

**MORLAND, Henry.**

Born - October 4, 1803.

Died - December 23, 1868.

Ensign, Madras Infantry - February 13, 1821; Major - November 9, 1846; Hon. Lieut. Colonel - November 28, 1854.

Morland joined the Hyderabad Survey on March 7, 1828 as an assistant surveyor. He took charge of the survey the next year. He surveyed Hyderabad territory till 1848 with intermittent breaks in surveys when he was either on leave or on military duty. His map of 1839-41 showing the northern boundary of Nadiar Circar is available in this Catalogue.

**MORRIESON, William Elliot.**

Born - April 5, 1791.

Died - January 6, 1815.

Ensign, Bengal Engineers - June 13, 1807; Lieut. - February 9, 1810.

From December 1809 to May 1810, he was surveyor to Martindell's detachment in Bundelkhand. On February 8, 1811, he was appointed to survey Sundarbans which he could start only on April 20, 1811. For three years he carried on with his surveys and completed a large tract of the tedious country east of the Hooghly. His work lay mostly through dense Sundar forest, teeming with world famous Bengal tigers and alligators. Many beautifully drawn maps by him are included in this Catalogue.



MULHERAN, James.

Born - April, 1817.

Died - March 25, 1869.

He was first appointed as Writer on November 27, 1832 and then as Sub-Assistant with the Great Trigonometrical Surveys on April 19, 1834. He triangulated the Great Arc during 1834-36. During 1836-42, he worked with Ranghir Meredional Series; triangulated Himalayan points during 1842-44; and was attached with Karara Meredional series during 1844-47; fixed the triangles in the north-west Himalayas during 1847-54. During his last lap of triangulation till his death in 1869, he was triangulating Hyderabad since 1855. His maps of districts Amraoti and Yeotmal of the periods 1856-57 and 1857-58 respectively, are included in the Catalogue.

PATON, John.

Born - 1803.

Died - January 8, 1842.

Ensign, Bengal Infantry - June 10, 1819; Captain - July 16, 1828; Battalion Major - November 23, 1841.

On November 27, 1823, Paton was appointed as Deputy Assistant Quarter Master General, Class III. In 1825, he was transferred to Arakan. During 1827-28, he conducted a number of road surveys in the north of Delhi. He prepared plans of Cantonments of Karnal, Ludhiana and Saharapur. During this period, he prepared a map of Sirhind district. This map is available in the Catalogue. In 1828, he was promoted to D.A. Q.M.G., Class II. He took active part in Afghan War during 1839-42 and died in action. In 1839, he made a sketch of route from Kandahar to Girishk.

**PEMBERTON, Robert Boileau.**

**Born - June 21, 1798.**

**Died - June 26, 1840.**

**Ensign, Bengal Infantry - April 7, 1832; Lieut. - August 1, 1818; Captain - July 21, 1835.**

In 1822, R. B. Pemberton was appointed Assistant Surveyor, Rohilkhand Revenue Survey under Bedford. In September 1824, he surveyed Barak river while on military service in Cachar. He also surveyed Manipur road during this period. During 1825, he completed a route survey to Manipur by perambulator, 96 miles from Banskandee. In 1828-30, he, as a member of Commission, laid down Burma-Manipur boundary. This map is in the collection now catalogued. In 1830 he visited Ava in Burma and completed a map of the 'Province of Arracan with Chittagong and Ava', which also finds place in this Catalogue. Then he took the route followed by Traut to Arakan over the Yomas to An and enroute surveyed the cantonments of Kyankpyu and Akyab. With Jenkins, he surveyed the route from Arakan through Chittagong, Cachar, Manipur, Naga Hills to Assam during 1831-32. He was also deputed to select suitable site for the capital of Arakan during this period.

**PICKERSGILL, Joshua.**

**Born - May 11, 1781.**

**Died - September 8, 1818.**

**Ensign, Bengal Infantry - July 21, 1806; Lieut. - February 1, 1807.**

In January 1808, he surveyed the route from Delhi to Agra. In February 1813, because of the experience of the route survey, he was appointed to command escort to Major Bradshaw who was investigating the Nepalese encroachments on Gorakhpur frontier. He surveyed lands

under dispute towards Butwal. On January 15, 1814 he was appointed to survey the whole length of the Nepal frontier with Gorakhpur. After the absence on leave, from June 9, 1815, he resumed the survey of Nepal frontier; but the survey work was again interrupted when on January 1, 1817 he was appointed Deputy Assistant Quarter Master General to the Grand Army and took part in Maratha War. He made a sketch of Dhamoni at its siege and capture. Again he was busy with Nepal frontier and prepared very good boundary maps in 1817 and 1819 which are amongst the collection now catalogued.

RENNELL, James.

Born - December 3, 1742. Died - March 29, 1830.

Ensign, Bengal Engineers - April 9, 1764; Major - January 20, 1775; Surveyor General, Bengal - 1767-77; Resigned - April 9, 1777.

In January 1756, he joined Navy as midshipman. At the end of 1759, he volunteered for service in East Indies and joined Frigate America. Rennell surveyed the coast from Calimere Point to Tondi. This information was used by him in his Map of Hindoostan. In 1764, he surveyed the Ganges river from Jalangi to Dacca. He further carried his surveys from the Meghna to Lakhimpur. During 1765, Brahmaputra was surveyed as far as Goalpara on the borders of Assam. In 1766 he surveyed across Rangpur and back to Cooch Behar border. Because of his mastery of the subject and his excellent services in the field of surveys, Clive acknowledged his good work by appointing him as the first Surveyor General of Bengal on January 1, 1767. A complete set of his surveys of Bengal was submitted by him to the Government early in 1774. Rennell had

made a start on the compilation of his Map of Hindoostan much before the printing on Indian Atlas had started. His famous Bengal Atlas was published in 1781 and his Map of Hindoostan was published in 1763. More important than the maps were his memoirs which give detailed account of their construction. Many of the maps prepared by Rennell, the father of Indian Geography, are included in this Catalogue.

**RICHARDS, William.**

Born - 1745.

Ensign, Bengal Engineers - December 12, 1764; Captain - April 1, 1769.

Richards joined Rennell as Assistant Surveyor on December 11, 1765. From 1776 he surveyed East Bengal and Chittagong. Some of his maps of East Bengal region are included in this Catalogue. During 1768 to 1771, he surveyed the routes from Purnee along the north bank of the Ganges to Saran. In 1772 Shahabad was surveyed. He was appointed as Surveyor General but resigned in January 1781.

**RITCHIE, John.**

In 1767, John Ritchie was appointed as a Marine surveyor. His map of part of Dacca and low lands of Tipperah and islands in the mouth of the Ganges which he surveyed along with Rennell, Martin and Richards is amongst the maps now catalogued. Until 1773, he was busy surveying the coasts and the islands including the Andaman and Nicobar islands. His work was of the highest order and in

1774, James Rennell completed a number of charts of the Bay of Bengal based on Ritchie's surveys. After being marine surveyor continuously for 19 years, he retired in 1793.

**ROBINSON, D.G.**

Born - March 8, 1826.

Died - July 27, 1877.

2/Lieut., Bengal Engineers - June 9, 1843; Battalion Colonel - December 21, 1867.

Robinson surveyed Hazara district during 1848-49; Jammu border in 1850-51 and Rawalpindi, Jhelum, Shahpur, the Salt Range and Liah i.e., the whole of Sind Sagar Doab region during 1851-59. These maps find place in the Catalogue. From 1859 to 1863, he was busy with the topographical surveys of Central India. In 1863 he took charge of the Great Trigonometrical Survey from Walker for a short period during latter's absence to Europe. Again, in April 1865, the Revenue Survey came under his charge before he finally accepted the Director-Generalship of the Telegraph Department in 1865.

**SAXTON, G.H.**

Born - January 29, 1820.

Died - January 20, 1901.

Ensign, Madras Infantry - January 11, 1838; Major - December 31, 1861; Battalion Colonel - January 11, 1869; Retired as Major General - July 1874/75.

Saxton was asked to survey along with De Pree Ganjam and Cuttack Tributary Mahals during 1852-57 and again in 1860-61. During this period Saxton prepared

many beautiful plans and sketches of numerous forts in the region. Three of these have found place in this Catalogue. In 1872 he took up the survey of Bastar and Vizagapatam Agency which was completed in 1876-77. The region included the great plateau of Central India, basin of river Godaveri and Pertabpur Taluk on the right bank of the Kotri river.

**SHERWILL, Walter Stanhope.**

Born - August 31, 1815.

Died - March 20, 1890.

Ensign - June 11, 1833; Major - April 2, 1859; Retired - December 31, 1861.

On July 27, 1838 he was appointed Assistant Revenue Surveyor in the Cawnpore survey. He resumed survey work at Jalaun on November 14, 1841 after being on leave from March 10, 1840. From June 13, 1842 to June 1843 he held charge of the Gaya Survey. From 1844 he surveyed region between Shahabad and Birbhum constructing valuable geological maps. His map of the Darjeeling is available in this collection. From 1851, he became Commissioner for readjustment of thana and local boundaries and from 1856 he was Professor of Survey at Sibpur as well. He was a very accomplished artist and had left many pen and ink sketches of the survey life.

**SIMMS, Frederick Walter.**

Born - December 24, 1803.

Died - February 27, 1865.

He was appointed as Civil Engineer and was on Railway Commission with A. H. E. Boileau from 1845 to 1846. During 1847-49, he compiled the plan of Calcutta which,

along with the map by Thuillier, was reduced, engraved and published by Walker in 1858. Published copies of the revised map of 1875 are included in this Catalogue.

**SYDENHAM, Thomas.**

Baptized - March 3, 1780.

Died - August 28, 1816.

Lieut., Madras Infantry - December 5, 1794; Captain - March 26, 1802; Resigned - May 4, 1810.

In July 1798, in command of the Guides, he collected information regarding new boundary of Mysore. He commenced the survey of that boundary between Gazalhatti and Punganuru but left it incomplete because of ill-health. On May 31, 1800, he was appointed Secretary to the Resident at Hyderabad. His map of the countries ceded by the Nizam in 1800 is amongst the collection now catalogued. Owing to continuous ill-health, he resigned and returned to England in 1802; but returned back in 1804 and became Resident first at Poona and then at Hyderabad. He once again resigned in 1810 and returned home.

**TURNBULL, Thomas.**

Born - February 1781.

Died - June 2, 1831.

In 1798 Turnbull was transferred from Devicottai where he was working under the Superintendent of Tank Repairs since 1797, to Dindigul which he surveyed during 1798 to 1804. He was then asked to survey Tanjore, completing it during 1805 to 1810. He was moved to Madura in 1811 completing it in 1814. During the next year 1815, he was again asked to survey Dindigul. His beautifully coloured and finished map of the region is included in this Catalogue.

**WALKER, James Thomas.**

**Born - December 1, 1826. Died - February 16, 1896.**

J.T. Walker joined the Bombay Engineer Corps on December 9, 1844. From 1849 to 1853 he was busy with military reconnaissance of the Trans-Indus region from Peshawar to Dera Islamil Khan. After the completion of the topographical survey, Walker joined the Great Trigonometrical Survey in 1854. Earlier, during 1851-52, Walker helped Waugh in the measurement of Chuch Base line near Attock. He took charge of the northern section of the Indus Series of the G.T. Survey in October 1856. During the Mutiny of 1857, he participated under General Chamberlain in the siege of Delhi. In 1858, the survey work was again resumed and the Indus Series was completed by 1860. Simultaneously counter-checking of the height of the base lines was also taken up in 1858 in Indus Valley and base lines of Karachi, Chuch and Sironj were connected. Jogi Tila section of the Meridional Series was also executed by him, and in 1862, Vizagapatam base line was also completed. This base line, by 1864, was connected with the Bombay Longitudinal Series and the coast Series of Calcutta with that of Madras. Walker then ordered the last base line in India to be measured near the old station of Lambton at Punnae in the deep south in 1869, and the work of its connection with other stations began.

From 1864 onwards, Walker was also simultaneously busy in the Pendulum measurements at various places with Russian convertible pendulums and with that used by Kartar earlier in 1818; with the experiments measuring the density of the strata of the earth's crust near and under the Himalayas and the plains; with the measurement of standards of length at each base; with working out



the practical details of the tidal registrations mostly on the western coast of India i. e., every branch of Geodesy felt the weight of his work and improvement. The whole work was completed by 1874. The multitudes of observations of various types had to be computed, put in proper form and the results reduced. The Great Trigonometrical Survey of India operations were concluded during the time of Walker. The annual reports starting from 1862-63 covered the period upto 1875-76 and the first volume of the GTS operations being the history of GTS, was published in 1870.

**WAUGH, Andrew Scott.**

Born - February 3, 1810.

Died - February 21, 1878.

Lieut., Bengal Engineers - December 13, 1827;

Colonel - February 18, 1861; Retired - March 12, 1861.

He was appointed as 2nd Assistant in the Great Trigonometrical Survey of India on July 2, 1832. He was ordered to join Rossebrode's party and on his way, he surveyed the headwaters of Son and Narmada and fixed the Coordinates of Amarkantak. Before the rainy season of 1833, he came back to Agra and raised a party for Ranghir Meridional Series of the G. T. Survey of India and started taking observations towards Hamirpur. In November 1834, he was called by Everest to assist him in fixing and measurement of a new base line near Dehra Dun. He was promoted to Astronomical Assistant on April 27, 1835. In May 1835, he rejoined Ranghir Series. His series went on through Chambal, Gwalior and closed with Everest's in the north of Sironj. He took astronomical observations for Zenith distances at Kalianpur during 1839-40 and Damargida

in 1840-41. In 1840, a new base line at Bidar was laid down and by early 1841, it was connected with surrounding Trigonometrical stations. He came back to Dehra Dun in April 1842 after completing the field work connected with the Great Arc. During 1842-43, he connected the Ranghir Series with Annu Series through Pilibhit district. From December 16, 1843 till 1861 he was made Surveyor General and the Superintendent Trigonometrical Surveys. During this period, at Calcutta, he revised many of the early maps. One of these of Hazara, revised in 1859, is found in this Catalogue.

**WEBB, William Spencer.**

Born - December 2, 1784.

Died - February 4, 1865.

Ensign, Bengal Infantry - November 20, 1801; Captain - November 9, 1818.

During 1805-06 he was attached with and surveyed several routes under the Surveyor General of Bengal. On November 9, 1807, he was appointed to escort the Surveyor General from Kanpur through Lucknow to Bareilly to survey the Northern districts of Rohilkhand. On April 13, 1808, he left Hardwar to explore the upper region of the Ganges and reached Rattal on the Bhagirathi, near Gangotri. From there, he went to Alaknanda and Badrinath and back to Bareilly to rejoin the Surveyor General on June 30, 1808. On July 4, 1808, he was asked to survey the Upper Provinces. From 1808 till 1811 he conducted extensive surveys on the north east of Oudh and Gorakhpur. On April 25, 1815 he was appointed to survey Kumaon which he continued till he left India in 1821. His map of Kumaon is included in this Catalogue.

**WILCOX, Joshua.**

Born - July 15, 1807.

Died - January 20, 1858.

Ensign, Bengal Infantry - February 21, 1824; Captain - January 24, 1845; Brevet Major - January 11, 1851; Retired - February 14, 1852; Hon. Lieut. Colonel - November 29, 1854.

Boundary survey of Sirhind and Punjab was carried out by Joshua Wilcox in 1825. This map is available in the Catalogue. In the following year, he surveyed the town and country round Ludhiana.

**WILLIAMS, Monier.**

Born - 1777.

Died - November 30, 1823

Lieut., Bengal Infantry - December 9, 1798; Lieut. Colonel - January 9, 1822.

During 1788-1801 Monier Williams acted as an Assistant to Moncrieff and surveyed North Malabar. From 1802-07 he was Assistant to Reynolds, Surveyor General of Bombay and his map of Kurlungotte district of 1802 is amongst the collection now catalogued. On March 2, 1807 he succeeded Reynolds as Surveyor General of Bombay. In 1807, he surveyed route from Sirur to Poona and Borghat. During 1808-10, he surveyed Gujarat and during 1816, he was engaged with the survey of Ghats and the Atavisi to the east of Daman. He revised Reynold's great map of India and completed it in 1821.

**WILSON, Edward.**

Edward Wilson joined the Surveyor General's Office at Calcutta as draughtsman in 1832. A map compiled from Colebrook's surveys of 1808 'Routes in Oudh and Part of Rohilkhand' by Edward Wilson in 1834 finds a place in this Catalogue. He resigned in 1835.

**WOOD, John,**

Born - 1811.

Died - November 13, 1871.

Joined Bombay Marine; Retired - February 8, 1840.

He took up the survey of the Indus in 1835. In 1836, he accompanied Alexander Burnes in his mission to Kabul. Wood surveyed the Indus from its mouth to Attock. He was the first to reach, after Marco-Polo, the "Bam-i-Dunya" or the roof of the world and thus discovered the source of the Oxus. His map of the period upto 1838 cover the region - upper valley of the Oxus from Kunduz to its source, routes from Peshawar to Bamian, the route of the Burne's mission to Kabul then to Bokhara and Bushire. The map of the north-west frontier of India which was later compiled by John Walker and published in 1841 containing the surveys of Wood also, is listed in this Catalogue.

**WOOD, Thomas****Born - June 1765****Died - January 22, 1834.****Ensign, Bengal Engineers - May 18, 1785; Colonel - June 25, 1830.**

On October 9, 1792 Thomas Wood accompanied Welsh to Assam as surveyor. He took up the work of Rennell where he left it in 1765 near Goalpara. He completed the survey of the Brahmaputra upto the mouth of Dikho by April 1794. He also made circuit survey upto the Bhutan border passing through Darrang. In 1795-96, he surveyed Irrawaddy river during Symes embassy to Ava in Burma. His most important survey was from Kanpur to Hardwar through Lucknow and Pilibhit in 1799-1800, down the Ganges back to Kanpur. Three of his maps of this period are included in the Catalogue. During 1801-02, he surveyed Ganges between Kanpur and Allahabad. He became Chief Engineer at Fort William in 1830 holding the post till his death on January 22, 1834.

**WROUGHTON, Robert.****Born - August 2, 1797.****Died - February 14, 1850.****Lieut., Bengal Infantry - August 1, 1818; Major - July 29, 1848.**

In April 1818, Robert Wroughton started the survey of Matabhanga River. In October 1821, he surveyed Gorakhpur as an Assistant Revenue Surveyor. During September 1824, he surveyed the route of the British army to Arakan in Burma. In April 1825, he took up the survey of the city of Paletwa, Capital of Arakan.

During 1826-1840, he surveyed the districts of Mathura, Agra, Aligarh, part of Farrukhabad, Mainpuri and Itawah. In 1840 he took up the revenue survey of Mirzapur. In 1842, after completing survey to the south of Singrauli, he took up survey of Sohagpur, Ramgarh and Narbada territories. During 1844-47, he was Deputy Surveyor General and Superintendent Revenue Surveys Bengal. In 1845, he compiled a map showing coal regions in Bengal.

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**PART III**

**CARTOGRAPHIC NOTES**





## CARTOGRAPHIC NOTES

1741-60/1

Calcutta - Topographical.

Size: 46.8 cm x 25 cm, between borders, in single sheet. No co-ordinates marked or numbered; photo-zincographed copy, not coloured; old city walls marked with built-in area of 1742, showing fields with trees on both sides of roads and contains a 'Reference' table explaining the various houses, gardens, positions of the army etc.

1741-60/2

India - Outline.

Size: 29.2 cm x 29.7 cm, between borders; in single sheet. Latitudes from  $10^{\circ}$  N to  $35^{\circ}$  N and longitudes from  $70^{\circ}$  E to  $90^{\circ}$  E marked and numbered; printed copy and outline coloured by hand; major rivers, and the Himalayan ranges on the north and north-west and Western Ghats shown with vertical hechures. Few place-names also marked.

1761-80/1

Bengal - Topographical.

Size 60 cm x 85 cm, between borders; in one sheet. Calcutta taken as  $0^{\circ}$  Meridian and the area covered between latitudes  $24^{\circ}9'N$  to  $22^{\circ}30'N$ , and longitude  $0^{\circ}10'W$  to  $2^{\circ}10'E$ ; hand drawn in black ink with plane-table graticules in pencil; ribbon-coloured boundaries; roads

in double-lines in black ink; morass areas and betel-nut cultivation lands shown by conventional signs and "Mr Call's line" - written near the northern end of the  $0^{\circ}$  Meridian.

Watermark: 'Fleur-de-Lis' and "J WHATMAN".

1761-80/1A

Bengal - Topographical.

Size: 60 cm x 85 cm, between borders; in 2 sheets, pasted vertically together. This is a copy of the map 1761-80/1 so far as the area covered is concerned; rivers and lakes shaded in pencil and  $0^{\circ}$  Meridian of Calcutta drawn but not numbered.

Watermark: "J WHATMAN 1808".

1761-80/2-2A

Bengal - Topographical.

Size: 86 cm x 98.5 cm, between borders; 2 sheets, pasted together.  $0^{\circ}$  Meridian of Calcutta drawn and numbered; latitudes  $20^{\circ}29'N$  to  $23^{\circ}50'N$  and longitudes  $2^{\circ}45'W$  to  $0^{\circ}45'E$  marked and numbered; hand drawn in black ink but coastal waters, some place-names and graticules in pencil; ribbon-coloured boundaries; roads in double lines in black and mountains shown as rows of hillocks with vertical hechures drawn in ink.

Watermark: on Map 2: "J WHATMAN"

Map 2A: "J WHATMAN 1794".

1761-80/3

## Rajshahi - Topographical.

Size: 64 cm x 75.5 cm, between borders; in one sheet. Calcutta taken as  $0^{\circ}$  Meridian; latitudes and longitudes drawn in pencil but not numbered; hand-drawn, mostly in ink; graticules and the scale in pencil; though scale-bar given in ink; ribbon-coloured boundaries; morasses and swamps shown in conventional signs, woods not clearly marked, only stray trees shown; "Hills, woods, and Morasses inter-mixed" - written in words; some big towns shown but irregular and oblong shapes in red tint; mountains shown as small hillocks in rows with vertical hechure-shading and roads in double lines in black; this contains some later additions/corrections in pencil; old English alphabets used; bears the remarks - "corresponds with western Half of Atlas Sheet No VI" - written in pencil at the top right corner and refers to sheet number in the Rennell's Bengal Atlas.

Watermark: "J WHATMAN", and "Fleur-de-Lis" with initials "GR".

1761-80/3A-22

## Rajshahi - Topographical.

Size: 64 cm x 83 cm, between borders; in one sheet. Latitudes and longitudes drawn but not numbered; hand-drawn in ink; ribbon-coloured with light colour-wash boundaries; rivers coloured with blue tint and marshes shown with symbols in green; woods not properly shown, only scattered green coloured trees marked with the legends written in places; mountains shown as rows of small hillocks

with vertical hechure-shading and roads in single lines of light burnt sienna colour. Addition of 'Serajung' and its location given in pencil.

Watermark: "J WHATMAN 1888".

1761-80/4

Sundarbans - Topographical.

Size 69 cm x 103 cm, between borders; 2 sheets, pasted together. Hand-drawn in ink and sparsely coloured. Calcutta taken as 0° Meridian; latitudes, longitudes, scale, graticules and year of survey shown in pencil; light sepia tint used for rivers and sea; for marshy areas rough horizontal light sepia tint strokes shown; one line in blue also used for rivers and ponds and some portions missing at bottom left and middle right.

This seems to be a rough draft.

Watermark: "J WHATMAN" (1781).

1761-81/5

Bengal - Topographical.

Size: 4 cm x 71 cm, between borders; two sheets, pasted together. Hand-drawn in ink, and coloured; longitudes drawn in brown ink but not carried upto the borders; two lines of latitudes drawn but not numbered; numbers not given on borders though latitudinal scale shown on borders; ribbon-coloured boundaries; mountain ranges shown as rows of hillocks with rounded tops and

and horizontal hechures with shades on the east and roads shown in double lines in black ink.

Very badly drawn, ink spreading into paper fibres; part of the areas marked "not surveyed" and portion missing from left and right hand bottom corners.

Watermark: "J WHATMAN 1839".

1761-80/5A

Bengal - Topographical.

Size: 84 cm x 70 cm, between borders; two sheets, pasted together. Hand-drawn in ink, and coloured; longitudes drawn but not carried to the borders; latitudes drawn in pencil except  $24^{\circ}\text{N}$  and  $25^{\circ}\text{N}$  which are numbered and drawn in ink; mountain ranges shown as rows of small hillocks with pointed tops and vertical hechures shading on the east; roads in double lines in black ink; ribbon-coloured boundaries; and rivers shaded with thin grey lines.

Ordnances and some portion drawn with a few place-names, in pencil; top right corner bears the remarks - "Corresponds with western portion of Atlas No. II", probably written by late Col. R. H. Phillimore and refers to Bengal Atlas of James Rennell.

Watermark: "J WHATMAN" (1768) and initials "GR" below 'Fleur-de-Lis'.

1761-80/5-B

**Bengal - Topographical.**

Size: 94 cm x 72 cm, between borders; two sheets, pasted together. Hand-drawn in ink, and coloured; longitudes marked but are not carried to the borders; all parallels drawn in pencil except  $24^{\circ}\text{N}$  and  $25^{\circ}\text{N}$  which are in ink and the only ones numbered; pointed-top rows of hillocks with grey tint shading on the east represent the mountain ranges; roads shown in double lines in black; ribbon-coloured boundaries and rivers shaded with thin grey lines.

A fair draft copy.

Watermark: "J WHATMAN 1838".

1761-80/6

**India - Central and Western - Topographical.**

Size: 113 cm x 71.6 cm, between borders; two sheets, pasted together. Hand drawn in ink and sparingly coloured; Calcutta taken as Prime Meridian and only  $23^{\circ}\text{N}$  latitude shown; camping sites and rivers coloured in brown and blue respectively; mountain ranges shown as rows of inverted 'V' without shades; roads in double lines of black and half sickle-arrowhead shown as north indicator

Halting stages of the army; and the route marked with descriptive notes on both sides give details of the topography, cultivated and uncultivated lands, jungles, availability of drinking water and grasses etc. This bears

the signature of Col. John Garston, Surveyor General, dated 6th Dec. 1809, on right hand bottom corner, certifying it to be a true copy.

Watermark: "E&P 1802".

1761-80/6A (27 sections)

India - Central and Western - Topographical.

Size: Twenty three sections of 38 cm x 54 cm, actual area and four sections of 32 cm x 28 cm, actual area. Hand drawn in ink, and coloured; no coordinates marked or numbered on any section; road shown in single line of black; camping sites of the army along with the route marked and notes on both sides give details of the topography, availability of drinking water and grains; jungles, cultivated and uncultivated areas also roughly marked.

Watermark: Three types of watermark given - (1) "J WHATMAN" (1781); (2) 'Fleur-de-Lis' with initials "VDL" (1768) and (3) 'Fleur-de-Lis' with initials "GR" (1775).

1761-80/7-7A

Bengal - Topographical.

Size: 80 cm x 93 cm, between borders; two sheets, pasted together. Calcutta taken as Prime Meridian; area covered numbered as  $0^{\circ}3' W$  and  $2^{\circ}51' E$  of longitudes  $24^{\circ}47' N$  to  $27^{\circ}1' N$  of parallels; hand drawn in ink; ribbon-coloured boundaries marked; mountain ranges

shown as rows of hillocks with pointed tops and vertical hechures, shading on the west; major rivers shaded with black line; on 7A, rivers shaded with grey tint; roads in double lines in black ink and half sickle-arrow-head shown as north indicator.

Some mathematical calculations in pencil appear at an area covered by  $26^{\circ}25'N$  and  $90^{\circ}25'E$  of Calcutta Meridian and some place-names also given in pencil.

This seems to be an incomplete map, and the hill shading on the west side is somewhat unusual.

Watermark: Map 7: "JAMES WHATMAN TURKEY MILL KENT 1789"; Map 7A: - "J WHATMAN 1794".

1761-80/8

Rangpur - Topographical.

Size: 91 cm x 90.5 cm, between borders; two sheets, pasted together. Calcutta taken as Prime Meridian; longitudes marked in pencil except  $1^{\circ}E$  and latitudes  $24^{\circ}36'N$  to  $27^{\circ}6'N$  also marked; hand-drawn in ink, and coloured; ribbon-coloured boundaries; rivers and lakes in light sepia; bigger towns in light pink and drawn in oblong shapes; mountain ranges shown as rows of small hills with rounded peaks and shaded on the east by light black tint and roads in double lines in black ink.

Southern Bhutan area left blank as it is not surveyed.

Watermark: "J WHATMAN 1858".



1761-80/8A

**Rangpur - Topographical.**

Size: 86.5 cm x 89 cm, between borders; two sheets, pasted together. Calcutta taken as Prime Meridian; only  $1^{\circ}\text{E}$  longitude marked but not numbered; latitudinal scales shown on borders and  $24^{\circ}38'\text{N}$  to  $27^{\circ}6'\text{N}$  marked; hand drawn in ink, and coloured; ribbon-coloured boundaries; rivers and lakes in light sepia; some lakes shaded with thin lines in black ink; towns in oblong shapes and coloured in light pink; forest and betel-nut cultivated areas shown with conventional signs; mountain ranges depicted as rows of hillocks with rounded peaks and shaded on the east by vertical, sloping hachures and roads in double lines in ink.

Southern Bhutan area left blank as it is not surveyed and some portions missing.

Watermark: "J WHATMAN" and 'Fleur-de-Lis' (1768).

1761-80/9

**Dacca - Topographical.**

Size: 96.5 cm x 63.5 cm, between borders; two sheets pasted together. Calcutta taken as Prime Meridian; longitudes  $1^{\circ}10'30''\text{E}$  to  $3^{\circ}15'\text{E}$  and latitudes  $21^{\circ}35'\text{N}$  to  $24^{\circ}20'\text{N}$  marked and numbered; hand-drawn in ink, and sparsely coloured; ribbon-coloured borders; rivers and lakes in blue; towns shown in

oblong shapes and coloured with light sepia; mountain ranges as rows of hillocks of pointed peaks and shaded on the east with light grey tint; roads in double lines of light burnt sienna and some routes also shown in red.

This is accompanied with two pages of manuscript memorandum dated 15 Dec. 1882, which explains the subsequent additions. Some portions missing.

Watermark: "J WHATMAN 1836".

1761-80/10

Budge-Budge - Topographical.

Size: 47.5 cm x 62.5 cm, actual area; in one sheet, No coordinates marked or numbered; hand drawn in ink but mostly coloured in burnt-sienna; palm-groves and enclosed villages shown by beautifully drawn symbols; scale-bar shown along with compass sickle-arrowhead as north indicator and field gun placements and firing ranges marked.

This is an incomplete map.

1761-80/10A

Budge-Budge - Topographical.

Size 97 cm x 128.5 cm, between borders; eight sheets of various sizes pasted together. No coordinates marked or numbered; hand drawn in ink, and coloured; lakes and rivers coloured with light burnt-sienna; cultivated fields, village sites, palm-groves

and river-embankments coloured and shown by beautifully drawn symbols; roads coloured with light burnt-sienna and have trees or hedges on both sides; scale-bar shown and half sickle-arrowhead marked as north indicator.

This is decorated with a beautifully drawn flying eagle in grey colour, holding a piece of paper in its beak on which information useful for the military operation is written, and shown at the left bottom of the map.

Watermark: "J WHATMAN" and 'Fleur-de-Lis' with initials "GR" at its bottom. (1768).

1781-1800/1

Gauhati - Topographical.

Size: 40 cm x 52 cm, between borders; in one sheet. No coordinates marked or numbered; hand drawn in ink; rivers coloured with light sepia tint; lakes and swampy areas shown with horizontal strokes of light grey colour; cultivated areas marked with rectangles; river beds with sand shown with fine dots; relief depicted by grey tint covered with threes; routes marked with single dotted lines; half sickle-arrowhead shown as north indicator and title is enclosed in a decorated circle.

1781-1800/1A

Gauhati: - Topographical.

Size 40.3 cm x 58.7 cm, between borders; in one sheet. One latitude and three longitudes drawn but not carried to the borders and not numbered; hand-drawn in ink but not coloured and relief shown by vertical hechures and grey tint.

1781-1800/2

Rohilkhand - Boundary Survey.

Size: 57.7 cm x 42.8 cm, actual area; in one sheet. No coordinates marked or numbered; hand-drawn and sparsely coloured, and half sickle-arrowhead shown as north indicator; graticules in pencil all over the map and some mathematical calculations also in pencil.

This is an incomplete map.

1781-1800/3

Dharwar - Topographical.

Size 47 cm x 56 cm, between borders; in one sheet. No coordinates marked or numbered; hand-drawn in ink and coloured; cultivated fields marked as rectangles in green with furrows in the fields shown with burnt sienna; fortifications, parrapets and sloping walls of outer fort beautifully drawn; important buildings in the fort shown

in blocks of pink; hedges of prickly trees around the fort's outer wall drawn with symbolic tree; depths of the ditches inside the outer walls of the fort also marked; relief shown by grey tint and vertical hechures; and approach-road drawn in light burnt sienna bordered on one side with grey tint.

'Reference Table' shown enclosed in a delicate metal-piece design surmounted by emblematic figures of two cupids flying amongst the clouds on their wings - the art of decoration of the early maps reminiscent of the reign of Charles I of England (1625-1649).

1781-1800/4

Kanara, North, Distt. - Route Survey (Topographical)

Size: 53 cm x 63 cm, between borders; in one sheet. No coordinates marked or numbered; hand-drawn in ink, and sparsely coloured; topography on either side of the route brought out in full; mountain ranges shown as rows of hillocks with pointed-tops and sloping hechures with shades on the east; route in single dotted line in burnt sienna; rivers, sea coast in light sepia tint and half sickle-arrowhead shown as north indicator.

1781-1800/5

Oudh - Route Survey (Topographical).

Size: 54 cm x 86 cm, between borders; in one sheet. Latitudes  $26^{\circ}10'N$  to  $28^{\circ}30'N$  and longitudes  $79^{\circ}35'E$  to  $83^{\circ}55'E$  of Greenwich marked and numbered; borders graduated; hand-drawn in ink; graticules in pencil; rivers coloured in sepia; mountain ranges as rows of hillocks with pointed-tops and vertical hechures on the east as shades and roads in double lines in ink.

Title decorated by a circle around it.

1781-1800/6

Calcutta - Topographical.

Size: 119.5 cm x 77 cm, between borders; in one sheet. No coordinates marked or numbered; photozincographed copy, uncoloured; roads in double lines and a paper scroll with foliage drawn as a cartouche with decorated compass rose.

1781-1800/6A-6B

Calcutta - Topographical.

Size: 62.7 cm x 40.5 cm, between borders; in one sheet. No coordinates marked or numbered; photozincographed copy, uncoloured; roads in double lines and decorated compass-rose shown as north indicator.

'Registration No. 360. Print I - 23-9-90-160.  
S.D. 25' - given outside the border.

1781-1800/7

**Mangalore - Topographical.**

Size: 57 cm x 36 cm, between borders; in one sheet. No coordinates drawn or numbered; hand-drawn in black and sparsely coloured; trees drawn as dead trees without leaves, a peculiar feature; relief shown by light grey tint; roads in double lines partially coloured yellow and few roads coloured in burnt sienna.

Contains a Sectional view of the Ditch around the fort.

Watermark: "J WHATMAN" (1781).

1781-1800/8

**Tellicherry - Topographical.**

Size: 26.4 cm x 45.1 cm, between borders; in one sheet. No coordinates marked or numbered; hand-drawn in black ink but coloured with ink of burnt sienna; palm groves shown in rows; relief marked by thick lines of light grey tint; delicately drawn cartouche with flowers and leaves in black lines and grey tint and decoratively drawn compass-rose in black lines with few rhumb lines in pencil.

1781-1800/8A

Seringapatam - Topographical.

Size: 65 cm x 77 cm, actual area; in one sheet. No coordinates marked or numbered; hand drawn with red ink and sepia colour; field-gun placements and the firing ranges marked.

This is an incomplete map.

Watermark: not clearly visible.

1781-1800/9

Seringapatam - Topographical.

Size: 55 cm x 93.3 cm, between borders; in one sheet. No coordinates marked or numbered; hand drawn in ink and coloured; double walls of the fort, parapets and bastions beautifully drawn; stone glacis' in the ditch outside the fort also shown, and also the stony bed of the ditch; buildings marked as blocks in pink and relief shown by grey tint.

Watermark "J WHATMAN 1794".

1781-1800/9A

Seringapatam - Topographical.

Size: 48.5 cm x 60 cm, actual area, in one sheet. No coordinates marked or numbered. Hand-drawn in black ink but coloured in sepia; main approach-roads



inside the Island shown as two parallel rows of trees with shadows on the east; double-wall and the bastions of the fort shown; main buildings shown as blocks in pink and the others in sepia tint and relief roughly drawn with vertical brush strokes of sepia and black ink.

This is a rough sketch.

Watermark: 'Bend' (1788).

1781-1800/9B

Seringapatam - Topographical.

Size: 102 cm x 53.5 cm, actual area; two sheets pasted together. No coordinates marked or numbered. Hand-drawn, and coloured; some blank unsurveyed areas shown and roads marked with rough dotted lines.

This is a rough sketch.

Watermark: 'J WHATMAN' and 'Fleur-de-Lis' with 'Monogram'.

1801-20/1

Sundarbans - Topographical.

Size: 72.8 cm x 102.7 cm, between borders; in one sheet. Graticules marked in pencil, but do not reach the borders. One latitude  $21^{\circ}50'N$ , drawn in burnt sienna and touches the border; longitudes marked but do not touch the borders except one marked "0 mile"; "20 Miles

West", written on 20th longitudinal line, and "15 Miles East" written on the eastern side of the 0 longitude, on the 15th longitudinal line; hand-drawn in ink and coloured; marshy areas shown with light brush strokes of grey, blue and burnt sienna, all mixed up; relief shown in yellow colour with grey tint shading on the east, a peculiar feature and two decorative compass-roses drawn in black and grey tint, one in north-west and other in south-east corner show the 'Magnetic North'.

Watermark: "JAMES WHATMAN TURKEY MILLS KENT 1808".

1801-20/1A

Sundarbans - Topographical.

Size: 26 cm x 45 cm, between borders; in one sheet. Latitudes drawn and numbered from  $21^{\circ}30'N$  and  $22^{\circ}N$ . Only one longitude drawn but not numbered, corresponds to  $0^{\circ}$  longitude of the original map, 1801-20/1. Calcutta taken as Prime Meridian. Hand-drawn in black ink and not coloured; later additions on the map, an outline of the river and a route marked in dotted line in blue and red inks respectively; illustrates the fauna of the region; animals such as a tiger, a stag, a fox or a jackal and a rabbit and birds like Cranes standing in marshy lands and also flying in formation, ducks etc., all beautifully drawn; the north indicating arrow-head is decorated with wings in black; 'Salt Works' and 'Fresh Water' areas marked and sandy areas in the river-beds beautifully shown.

On the top-left border, a graduated scale of degrees between latitude  $21^{\circ}50'$  to  $22^{\circ}N$  is marked.

1801-20/2

**Chittagong - Topographical.**

Size: 48 cm x 61.5 cm, between borders; in one sheet. Inner border lines graduated on all the sides except the south in single line without any number; actual area shown from latitudes  $20^{\circ}25'N$  to  $23^{\circ}20'N$  and  $91^{\circ}25'E$  to  $95^{\circ}10'E$  longitudes but latitudes from  $21^{\circ}N$  to  $23^{\circ}N$  and longitudes from  $92^{\circ}E$  to  $95^{\circ}E$  marked; hand-drawn in ink with ribbon-coloured boundaries; relief shown by grey tint and vertical hechures drawn by dry-brush with grey ink and roads shown in single lines in burnt sienna.

Watermark: "J WHATMAN TURKEY MILLS 1821".

1801-20/2A

**Chittagong - Topographical.**

Size: 93.5 cm x 62 cm, between borders; in one sheet. Greenwich taken as Prime Meridian; borders graduated; latitudes  $18^{\circ}N$  to  $25^{\circ}N$  and longitudes  $92^{\circ}E$  to  $95^{\circ}E$  drawn in ink and numbered; other coordinates in pencil and numbered; hand-drawn and coloured; relief shown by very light grey tint and vertical hechures, in pencil, indicate the slope; roads in very light burnt sienna; delicately drawn, and simple compass shows "variation of compass  $3^{\circ}$  Easterly".

Watermark: "J WHATMAN W HERTON".

1801-20/2B

**Chittagong - Topographical.**

Manuscript copy of "Notes on the Survey of Chittagong" written by J. Cheap and dated Calcutta 14th October 1818, in 16 pages explaining the survey of Chittagong and the map. (1801-20/2, 2A).

Watermark: "J WHATMAN 1815 BALSTON & CO." and the initials "EVIC" enclosed in an heart-shaped design, topped with '4' and 'Crescent' and underneath the year "1815".

1801-20/3

**Chittagong - Topographical.**

Size: 71 cm x 50.8 cm, between borders; in one sheet. Coordinates marked and numbered; borders graduated; longitudes east of Greenwich taken; latitudes numbered from  $18^{\circ}\text{N}$  to  $23^{\circ}\text{N}$  and longitudes from  $92^{\circ}\text{E}$  to  $95^{\circ}\text{E}$ . Topographical details same as on sheet 1801-20/2A and some remarks in pencil at latitude  $21^{\circ}27'30''$ ; bears the signature of J. A. Hodgson, Surveyor General, on the right-bottom corner inside the borders.

1801-20/ 3A-3D

Chittagong - Topographical.

Size: Copies of the title page of the "Map shewing the eastern boundary of the Province of Chittagong and its relative situation to Arracan, by J. Cheape, Surveyor General's Office, 13th Oct., 1823" (1801-20/ 3E-3K).

Watermark: Initials "EVIC" in heart-shaped design topped by '4' and 'Crescent' and "S. WISE & CO 1821" below it.

1801-20/ 3E-3K

Chittagong - Topographical.

Size: 47 cm x 31 cm, between borders; in one  
Single line border; latitudes  $20^{\circ}\text{N}$  to  $22^{\circ}\text{N}$  and  
longitudes  $92^{\circ}\text{E}$  to  $95^{\circ}\text{E}$ , numbered; lithographed  
A very hastily drawn map, coloured by hand  
neatly; boundaries ribbon-coloured, relief  
shown by wide vertical hachures and tinted blue and  
contour lines of black.

Topographical.

7.8 cm, between borders; in one  
border in double line, inner being  
border in single lines and not

graduated; only latitudes numbered from  $21^{\circ}40'N$  to  $23^{\circ}N$  and no coordinates marked. Hand-drawn in black ink and coloured; boundaries ribbon-coloured; some roads coloured in burnt sienna and others in pink; towns coloured pink but Calcutta shown coloured with burnt sienna; marshy lands shown with light yellowish-green colour; some rows of small circles, probably indicating positions of trees in pencil; roads shown in single lines and graticules marked in pencil.

Watermark: "J WHATMAN 1808".

1801-20/4A

Sundarbans - Topographical.

Size: 73.2 cm x 54 cm, actual area; in one sheet. No borders drawn but parallels numbered on the western edges only from  $21^{\circ}30'N$  to  $23^{\circ}20'N$ , hand-drawn in black ink and coloured; marshes and rivers coloured with blue; roads in single lines coloured with light burnt sienna and towns in dark burnt sienna, graticules marked in pencil on the south-west corner of the map.

This seems to be an incomplete map.

1801-20/5, 5A

Sundarbans - Topographical.

Size: 94.5 cm x 27.5 cm, actual area; two sheets pasted together. Border lines shown only on the north and east; on the eastern border  $22^{\circ}N$  and  $23^{\circ}N$  latitudes numbered; on the north, graduated border but only  $1^{\circ}E$

longitude numbered. Calcutta taken as Prime Meridian; hand-drawn in black ink; map 5 not coloured but map 5A coloured.

No watermark on map 5 but the watermark on map 5A partly visible and reads "....1815".

1801-20/5B

Sundarbans - Topographical.

Size: 72.5 cm x 51 cm, between borders; in one sheet. Borders drawn; only latitudes from  $22^{\circ}30'N$  to  $23^{\circ}15'$  numbered; graticules drawn in pencil; almost blank except an area covered by the coordinates and roads in single lines and coloured red.

This is an incomplete map.

Watermark: "RUSE & TURNER 1813" and 'Fleur-de-Lis' with Monogram'.

1801-20/5C

Sundarbans - Topographical.

Size 38 cm x 55 cm, actual area, in one sheet. Coordinates drawn and only latitudes from  $22^{\circ}55'N$  to  $23^{\circ}15'N$  numbered; hand-drawn and roads shown in single lines in pink.

This is an incomplete map and many areas left blank.

Watermark: "RUSE & TURNERS 1813".

1801-20/5D

Sundarbans - Topographical.

Size: 150.5 cm x 55 cm, actual area; two sheets pasted together. Coordinates drawn but not numbered; hand-drawn in ink, coloured and roads shown in single lines of pink.

This is an incomplete map.

Watermark: "RUSE & TURNERS 1813" and 'Fleur-de-Lis' with 'Monogram'.

1801-20/5E

Sundarbans - Topographical.

Size: 62 cm x 39.5 cm, actual area; in one sheet. Only latitudes drawn and numbered from 22°45'N to 23°10'N; drawn in black ink but some portion in pencil as well and roads shown in single lines in dark pink.

This is an incomplete map.

Watermark: "C WILMONT 1814" with 'Coat of Arms'.

1801-20/5F

Sundarbans - Topographical.

Size: 75.5 cm x 55 cm, actual area; in one sheet. Coordinates drawn but not numbered; hand-drawn in ink, mostly uncoloured; nothing is written; rivers and tributaries drawn; triangulation - bearings are marked in light red ink on the river banks.

This is an incomplete map.

Watermark: "J WHATMAN 1812" with 'Fleur-de-Lis' and 'Monogram' beneath it.



1801-20/5G, 5H

Sundarbans - Topographical.

Size: 76 cm x 55 cm, between borders; each in one sheet. Borders drawn on three sides except southern side; latitudes drawn in pencil except latitudes  $22^{\circ}53'55''\text{N}$  to  $23^{\circ}17'55''\text{N}$  numbered and drawn in ink; hand-drawn in black ink; and roads shown in single lines of dark pink.

Incomplete maps but map no. 1801-20/5H, contains a few names of places and rivers.

Watermark: "RUSE & TURNERS 813" and 'Fleur-de-Lis' with 'Monogram' underneath.

1801-20/5I

Sundarbans - Topographical.

Size 72 cm x 55 cm, actual area; in one sheet. Coordinates drawn but not numbered; hand-drawn half in ink and half in pencil.

Incomplete map.

Watermark: "RUSE & TURNERS 1813" with 'Fleur-de-Lis' and 'Monogram' underneath.

1801-20/5J

## Sundarbans - Topographical.

Size: 75.5 cm x 54 cm, actual area; in one sheet. Only latitudes drawn and numbered in red ink; on the left border, numbered from  $22^{\circ}34'55''$  N to  $23^{\circ}9'55''$  N drawn by hand on both sides of the paper; on one side the marshy areas shown with light blue tint; some blank areas on the map also; roads shown in single lines of pink; beautiful, decorative but unfinished compass-rose drawn in pencil; and very much faded title of the map written in a circle drawn in pencil.

Incomplete map.

Watermark: "RUSE & TURNERS 1813" with 'Fleur-de-Lis' and 'Monogram' underneath.

1801-20/5K

## Sundarbans - Topographical.

Size: 73 cm x 55 cm, actual area; in one sheet. Coordinates drawn but only latitudes numbered on the left border from  $21^{\circ}50'N$  to  $22^{\circ}30'N$ , on the other end, the numbering in reverse order in red ink; hand-drawn; place-names in ink and in pencil; blank areas also shown; bench-marks and river-triangulation lines in red ink, and roads in single lines of red.

Two unique and very interesting remarks "Tiger attacked us" and "Tiger carried off the man" written on the map, indicating region of the home-land of the famous bengal tigers.

Watermark: "J WHATMAN 1812" and 'Fleur-de-Lis' with 'Monogram' beneath.

1801-20/5L

Sundarbans - Topographical.

Size: 76 cm x 52 cm, between borders; in one sheet. Coordinates marked, latitudes from  $22^{\circ}35'N$  to  $23^{\circ}15'N$  numbered in red ink; hand-drawn in ink but many place-names still in pencil; and roads in single lines of red.

Incomplete map.

Watermark: "RUSE & TURNER 1812" and 'Fleur-de-Lis' with 'Monogram' below it.

1801-20/5M

Sundarbans - Topographical.

Size: 75.5 cm x 54.5 cm, actual area. Coordinates drawn but not numbered; rivers shown with red, some completed with black ink, and a few place-names mentioned.

Incomplete map.

Watermark: "J WHATMAN 1811" with 'Fleur-de-Lis' and 'Monogram' beneath it.

1801-20/6

Jungle Terry - Topographical.

Size: 59.5 cm x 75.5 cm, actual area; two sheets pasted together. No coordinates marked or numbered; drawn in black ink; large towns marked in oblong shapes

in red; mountain ranges shown as rows of hillocks with rounded tops drawn in grey tint with thick black outlines on the east indicating shades; roads shown in different colours but no 'Reference' table explaining these colours given. Very poorly executed; and some later additions of place-names, names of 'Passes' and 'Ghats' shown in red.

Unfinished map.

1801-20/8A

Jungle-Terry - Topographical.

Size: 52 cm x 74 cm, between borders, in one sheet. Coordinates drawn and numbered; Bhagalpur as  $0^{\circ}$  Meridian,  $24^{\circ}$ N and  $25^{\circ}$ N latitudes numbered and longitudes  $0^{\circ}$  Meridian,  $1^{\circ}$ W and  $1^{\circ}$ E of Bhagalpur numbered; drawn in ink and coloured; some areas shown blank with remarks "country unexplored by Europeans" in the region west of Bhagalpur and north of Ramgarh; mountains shown as rows of beautifully drawn and delicately coloured in light grey of varying tones denoting shades; rivers in different colours with reference tables to explain them; and signed by George Everest, Surveyor General of India.

A beautiful specimen of topographical maps.

Watermark: "RUSE & TURNERS 1827".

1801-20/7-7G

**Khandesh - Topographical.**

Size: 210 cm x 189.5 cm, actual areas, 10 sheets pasted together and then sectioned into 8 sections; latitudes  $21^{\circ}\text{N}$  to  $25^{\circ}\text{N}$  and longitudes  $73^{\circ}\text{E}$  to  $77^{\circ}15'\text{E}$  marked and numbered; hand-drawn in ink and sparsely coloured; some boundaries ribbon-coloured and some areas tinted; a few place-names written in rough hand; rivers coloured grey; towns shown in rectangular shapes in red; relief shown by tint and rough spray of grey and at some places vertical hachures with brush, also of grey; routes shown in single lines of burnt sienna; scale deduced by comparison.

This map is a 'Rough Original' draft.

Sheets contain four watermarks: (1) "J WHATMAN TURKEY MILLS 1818", (2) 'Bend' with 'Monogram' and "I RING 1805" (3) "I RING 1808" and 'Fleur-de-Lis' and (4) "J WHATMAN 1817".

1801-20/8-8K

**Hyderabad - Topographical.**

Size: 198 cm x 80 cm, actual area; in 15 sections with Sec. 13 missing. Total area covered by the map between latitudes  $17^{\circ}\text{N}$  to  $19^{\circ}15'\text{N}$  and longitudes  $74^{\circ}30'\text{E}$  to  $78^{\circ}30'\text{E}$  of Greenwich; hand-drawn and coloured; cultivated and uncultivated areas shown by conventional signs; towns shown as rough geometrical blocks with perpendicular roads in burnt sienna;

boundaries ribbon-coloured; large rivers are in blue but small rivers in black; ferry-service lines on the rivers marked; tree-survey stations shown; palm-tree groves beautifully drawn on sections 14 and 15; relief shown by various tones of grey and routes in single lines in burnt sienna.

Beautiful specimen of hand drawn maps of the early 19th century.

Watermark: "J WHATMAN 1811" on 4 Sections.

1801-20/9-9D

Hyderabad - Topographical.

Size: 169.5 cm x 170.0 cm, actual area; in 5 sections. Coordinates marked and numbered from latitude  $17^{\circ}30'N$  to  $18^{\circ}30'N$  and longitudes from  $75^{\circ}E$  to  $76^{\circ}30'E$ ; hand-drawn in black ink and coloured; some areas left blank; relief shown by grey tint; roads in burnt sienna.

Each section is signed by D. G. Montgomerie, Deputy Surveyor General.

Watermark: "RUSE & TURNER 1826".

1801-20/9E

## Hyderabad - Topographical.

Size: 169.5 cm x 170.0 cm, between borders; in seven sheets pasted together. No coordinates drawn but borders numbered as  $17^{\circ}\text{N}$  to  $19^{\circ}15'\text{N}$  latitudes and  $74^{\circ}30'\text{E}$  to  $76^{\circ}30'\text{E}$  longitudes; hand-drawn in black ink and coloured; mathematical calculations given in pencil, at some trigonometrical stations; some areas left blank; mountains shown by tint of grey and roads in double lines of burnt sienna; trigonometrical stations marked; major triangulation lines in red and minor ones in black.

Watermark: "J WHATMAN 1821" with initials "EVIC" in heart-shaped design topped by '4' and 'crescent'.

1801-20/10

## Pondicherry - Topographical.

Size: 25.7 cm x 16.5 cm, between borders; in one sheet. No coordinates drawn or numbered; hand-drawn and coloured; some blank spaces shown; roads in single lines of red and half arrow-head as north indicator.

Watermark: Not fully visible - Heart-shaped design having initials "EVIC" in it, topped by '4' and 'crescent' with year "180.." below it.

1801-20/11

Karikal - Topographical.

Size: 28.5 cm x 16 cm, between borders; in one sheet. No coordinates drawn or numbered; hand-drawn in black ink and sparsely coloured; boundaries ribbon-coloured; roads in single lines in red; and half arrow-head as north indicator.

Watermark: Not clearly visible.

1801-20/12

Karikal - Topographical.

Size: 29.5 cm x 40 cm, between borders; in one sheet. No coordinates marked or numbered; hand-drawn in black ink and coloured; roads in single lines in red; half sickle arrow-head as north indicator; signed by F. Mountford, Assistant Surveyor General.

1801-20/12A

Karikal - Topographical.

Size: 43.5 cm x 33.5 cm, between borders; in one sheet. No coordinates drawn or numbered; hand-drawn in black ink; sparsely coloured; roads in single lines in red; compass rose half sickle arrowhead shown and signed by D. Sim, Surveyor and Colin Mackenzie, Surveyor General of India, dated 29th August, 1816.



1801-20/13

Pondicherry - Topographical.

Size: 30 cm x 38 cm, between borders; in one sheet. No coordinates drawn or numbered; hand-drawn in black ink and coloured but rivers left uncoloured; roads in single lines of red; half sickle-arrowhead shown as north indicator, and signed by F. Mountford Asstt. Surveyor General.

Watermark: "J WHATMAN".

1801-20/13A

Pondicherry - Topographical.

Size: 29 cm x 36 cm, between borders; in one sheet. No coordinates drawn or numbered; hand-drawn in black ink and coloured; rivers coloured blue with one bank shown in burnt sienna; some mountains shown in burnt sienna tint and some in grey tint; half sickle-arrowhead as north indicator, and signed by F. Mountford, Asstt. Surveyor General.

1801-20/14

Goa - Topographical.

Size: 42.5 cm x 32 cm, between borders; in one sheet. Coordinates drawn in pencil but not numbered; hand-drawn in black ink and coloured; 'Base Line' on

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the west coast drawn from where the lines of triangulations taken up; relief shown by grey tint; half sickle-arrowhead as north indicator, and title of the map in pencil, with some faint pencil notings below it.

Incomplete map.

Watermark: "J WHATMAN 1808" and heart-shaped design enclosing initials "EVIC", topped by '4' and 'crescent'.

1801-20/16

Goa - Topographical.

Size: 17 cm x 31.5 cm, actual area; in one sheet. No coordinates drawn or numbered; hand-drawn in black ink and coloured; place-names and scale in pencil; relief shown in grey tint with vertical hechures drawn with brush also in grey tint; roads in single lines of burnt sienna; "Drawn by Lt. E. Y. Hancock in May 18, 1811", written in pencil in right bottom corner.

Incomplete map.

1801-20/17

Goa - Topographical.

Size 91.5 cm x 62.5 cm, between borders; in one sheet. Borders drawn but no coordinates marked or numbered; hand-drawn in black ink and coloured; cultivated areas shown as rectangles in light grey lines;

'Base line' on the western coast drawn; jungles shown with green tint and dark green dots sprayed over; relief shown in grey tint and roads in single lines of burnt sienna; half sickle-arrowhead as north indicator, and signed by John Riddel, "Asstt. ... Department".

Watermark: "J WHATMAN 1811".

1801-20/17A

Goa - Topographical.

Size: 89 cm x 61 cm, between borders; in one sheet. No coordinates marked or numbered; hand-drawn in black ink and coloured in light tints; cultivated areas shown as rectangles of grey lines; jungle areas marked with very light green tint and sprayed over by dark green dots; relief shown by grey tint and with very light vertical hechures also of grey, drawn with brush; roads in single lines of burnt sienna; sickle-arrowhead as north indicator; 'Base line' measuring 37722.6 feet for triangulation marked on the western coast with trigonometrical stations also marked.

1801-20/18

Hyderabad - Topographical.

Size: 91.5 cm x 102.5 cm, between borders; 2 sheets pasted together. Parallels  $14^{\circ}\text{N}$  to  $17^{\circ}\text{N}$  and meridians  $75^{\circ}\text{E}$  to  $81^{\circ}\text{E}$  of Greenwich marked and numbered; hand-drawn in black ink and coloured; blank areas shown; hill ranges drawn as rows of hillocks with pointed tops shaded with grey tint on the east; and roads in single dotted lines in black.

1801-20/18A

Hyderabad - Topographical.

Size: 61 cm x 122 cm, between borders; six sheets pasted together. Parallels drawn and numbered from  $14^{\circ}\text{N}$  to  $16^{\circ}\text{N}$ ; meridians drawn but not numbered; hand-drawn in black ink and coloured; relief shown by grey tint; roads in single lines of red; many later additions and corrections in pencil and black ink marked; and signed by C. Mackenzie, with remarks - "Prepared in 1801".

Watermarks: (1) "E & P 1801" and (2) "J WHATMAN 1794".

1801-20/18

Tinnevely - Topographical.

Size: 37 cm x 48 cm, actual area; three sheets pasted together. No coordinates marked or numbered; hand-drawn in black and coloured; boundaries ribbon-coloured; relief shown by grey tint; roads in single lines of burnt sienna; lines of triangulations marked; title and 'Reference' to colours given in pencil.

Watermark: "J WHATMAN 1801".

1801-20/19A

Tinnevely - Topographical.

Size: 57 cm x 65 cm, actual area; two sheets pasted together. No coordinates marked or numbered; hand-drawn in black ink and coloured; boundaries ribbon-coloured; palmyras groves beautifully drawn using

unconventional signs; relief shown by grey tint; roads in single lines of burnt sienna; lines of triangulations also marked; some place-names and graticules in pencil with mathematical calculations and tables, also in pencil but faintly visible in the right bottom corner.

Watermark: Not clearly visible.

1801-20/19B

Tinnevely - Topographical.

Size: 150 cm x 150 cm, actual area; twelve sheets pasted together. No coordinates marked or numbered; hand-drawn in ink and coloured; symbols used for towns, cultivated areas, jungles and open areas very unconventional; roads in single lines of sepia; lines of triangulations marked and sites of 'Salt Godowns' also shown.

Watermark: "J WHATMAN 1808" and initials "EVIC" enclosed in heart-shaped design, topped with by '4' and 'crescent'.

1801-20/19C

Tinnevely - Topographical.

Size: 82 cm x 126.5 cm, actual area; three sheets pasted together. No coordinates drawn or numbered; hand-drawn in black ink and coloured; unconventional symbols used for topographical details; relief shown by

grey tint; roads in single lines of sepia; lines of triangulations marked; sites of 'Salt Godowns', and 'Parchary' also shown.

Two watermarks on the sheets: (1) "J WHATMAN 1808", (2) "J WHATMAN 1804".

1801-20/19D

Tinnevelly - Topographical.

Size: 82 cm x 86.5 cm, between borders; two sheets pasted together. No coordinates marked or numbered; palmyras groves and towns marked with unconventional symbols; forest area shown with spray of green and grey colours; embankments on lakes marked with thick burnt sienna dots; relief shown by hair-like vertical hechures drawn with semi dry brush of grey colour; roads in single lines of light burnt sienna, and lines of triangulations marked with dotted lines of light burnt sienna.

1801-20/19E

Tinnevelly - Topographical.

Size 198 cm x 138.5 cm, between borders; six sheets pasted together. No coordinates marked or numbered; palmyras groves shown by unconventional signs; cultivated fields shown by rectangles of dotted lines of burnt sienna and at places by light burnt sienna tint indicating fallow areas; ribbon-coloured boundary lines marked; embankments around lakes drawn with burnt sienna lines; marshy

areas shown with single lines of light burnt sienna and on both sides of them dots of green indicating trees, a very unconventional symbol; lines of triangulations marked with black ink and graticules shown in pencil; 'Choultry sites' on the routes and 'Parchery' sites near small lakes also marked.

Watermark: "J WHATMAN 1808".

1801-20/19F

Tinnevely - Topographical.

Size: 80 cm x 89.5 cm, actual area; in one sheet. No coordinates marked or numbered; hand-drawn and coloured; towns and cultivated areas drawn with light burnt sienna; boundaries ribbon-coloured; palmyras groves marked with typical symbols; rocky areas shown as 'rocks'; relief shown with grey tint; roads drawn with thick single lines of burnt sienna with dark green dots on both sides as trees; lines of triangulations drawn in black ink and graticules in pencil; 'Choultry' and 'Parchery' sites also shown.

1801-20/19G-19H

Tinnevely - Topographical.

Size: map 19G: 84.5 cm x 100 cm, actual area, 4 sheets pasted together; map 19H: 73.5 cm x 65 cm, actual area; in one sheet. No coordinates marked or numbered; hand-drawn and coloured; blank areas appear; topographical details similar to those of map 1801-20/19F; on map 19H, major triangulation lines in red and minor ones in dotted red.

Watermark: map 19G - "J WHATMAN 1811"

map 19H - "S WISE & PATCH 1803".

1801-20/19I

Tinnevelly - Topographical.

Size: 80 cm x 80 cm, actual area; four sheets of unequal sizes pasted together. No coordinates marked or numbered; cartographic details similar to those on sheet 1801-20/19F except relief, shown by grey tint with vertical hechures of black.

Watermark: "S WISE & PATCH CO" with 'Fleur-de-Lis' and year "1805" below it.

1801-20/19J

Tinnevelly - Topographical.

Size: 77 cm x 83 cm, actual area; four sheets of unequal sizes pasted together. No coordinates marked or numbered; hand-drawn and coloured; blank areas appear; forest areas marked by green dots and swamps by green and black smaller dots; cultivated areas shown as rectangles of burnt sienna; palmyras groves represented by beautiful symbols; boundaries ribbon-coloured; relief shown by grey tint and roads marked by thick single lines of light sepia; lines of triangulations marked; site of "Ronn. Church", south of Tuticorin marked; and salt godowns, chaultry and parchary sites also marked.

Watermark: "S. WISE & PATCH 1805".



1801-20/19K

Tinnevelly - Topographical.

Size: 80.5 cm x 66 cm, actual area; three sheets pasted together. No coordinates marked or numbered; hand drawn and coloured; blank areas appear; swamps shown as grey horizontal rough brush strokes on light blue tint; forests represented by thick, closely placed green dots, a very unconventional way; palmyras, bamboo and cocoanut groves beautifully drawn; relief marked by grey tint; roads in thick single lines of burnt sienna; triangulation lines marked and distances, between two stations, marked on the lines in feet; grati- cules shown in pencil and also some place-names probably added later.

Watermark: "S WISE & PATCH 1805".

1801-20/19L

Tinnevelly - Topographical.

Size: 77 cm x 84.5 cm, actual areas; two sheets pasted together. No coordinates marked or numbered; topographical details similar to those on sheet 1801-20/19F.

Watermark: "S WISE & PATCH" with 'Fleur-de-Lis' and the year "1805" below it.

1801-20/19M

Tinnevelly - Topographical.

Size: 65 cm x 81 cm, actual area; in one sheet. No coordinates marked or numbered; hand-drawn and sparsely coloured; boundaries ribbon-coloured; cultivated areas shown as rectangles with grey and black lines; forests marked with trees drawn in black with shadows on the east; relief shown by grey tint and roads in thick single lines of burnt sienna; blank areas appear; and triangulation lines in black ink with distances in feet.

A neatly finished map.

Watermark: "J WHATMAN 1801".

1801-20/19N

Tinnevelly - Topographical.

Size: 79 cm x 57.5 cm, actual area three sheets pasted together. No coordinates marked or numbered; hand-drawn and coloured; cultivated areas shown by roughly drawn rectangles of various sizes and shapes in burnt sienna; relief shown by grey tint; roads marked as thick single lines of burnt sienna with trees lined on both sides; 'Halting Stations' on routes numbered; blank areas shown; and triangulation lines in black ink.

A roughly drawn map.

Watermark: "S WISE & PATCH" with 'Fleur-de-Lis' and year "1805" below it.

1801-20/19'O'

Tinnevelly - Topographical.

Size: 73 cm x 54 cm, actual area; in one sheet. No coordinates marked or numbered; hand-drawn and coloured; cultivated fields drawn with light green rectangles and uncultivated fields shown with burnt sienna; hedges around the fields shown with deep green; relief marked with grey tint; roads in thin single lines of burnt sienna with trees lined on both sides; blank areas shown; and triangulation lines in black ink.

Watermark: "S WISE & PATCH" with 'Fleur-de-Lis' and year "1805" below it.

1801-20/19P

Tinnevelly - Topographical.

Size: 80 cm x 96 cm, actual area; five sheets pasted together. No coordinates marked or numbered; hand-drawn and coloured; cultivated fields shown by roughly drawn small rectangles of various sizes and shapes with burnt sienna; pool embankments marked with black lines; palmyras, bamboo and cocoanut groves shown with different symbols; boundaries ribbon-coloured; relief shown by grey and red tints; roads in single lines of light burnt sienna; blank areas shown; triangulation lines in black ink, and graticules in pencil also visible.

1801-20/19Q

Tinnevelly - Topographical.

Size 97 cm x 100.5 cm, actual area; two sheets pasted together. No coordinates marked or numbered; hand-drawn and lightly coloured; boundaries ribbon-coloured with boundary posts marked; cultivated areas shown with roughly drawn circles and rectangles in light burnt sienna; rocks in the sea near the coast beautifully shown. palmyras groves decoratively drawn; relief shown by grey tint; roads marked with single lines of burnt sienna with trees lined on both sides; blank areas also marked; lines of triangulation marked with black; sites of 'Deserted village', 'Salt pans', 'Parchary' and 'Choultry' marked on the eastern coast line.

A neatly drawn map.

Watermark: "J WHATMAN 1801".

1801-20/20

Tinnevelly - Topographical.

Size: 138.5 cm x 107 cm, actual area; five sheets of different sizes pasted together. No coordinates marked or numbered; hand-drawn in black ink and lightly coloured; conventional signs used to show topography; mountains shown with grey tint, and roads in single lines of sepia.

1801-20/21

**Tinnevelly - Topographical.**

Size: 87 cm x 24 cm, between borders; in one sheet. Parallels from  $8^{\circ}\text{N}$  to  $10^{\circ}\text{N}$  and meridians from  $77^{\circ}10'\text{E}$  to  $77^{\circ}50'\text{E}$  marked and numbered; hand-drawn and coloured; general conventional signs used to show topographical features; mountains shown with grey tint and roads in single lines of burnt sienna.

1801-20/22-22M.

**Dindigul - Topographical.**

Sizes of various sections vary between 33 cm x 57 cm and 79 cm x 105.4 cm, actual areas. No coordinates marked or numbered; hand-drawn and coloured; topographical details shown with beautifully drawn and artistically coloured symbols; cultivated areas shown by rectangles drawn in dotted lines and coloured with parallel lines of green and burnt sienna tints; seasonal cultivable lands along the banks of the rivers shown with honey-comb like design drawn with grey tint and coloured with blue tint wash; marshy lands shown with blue tint; bushes and weeds drawn in symbols; embankments along the sides of lakes indicated by red lines; jungles shown with clusters of trees and on some sheets with roughly sprayed thick dark blue dots on blue tint wash; major routes in double lines and minor ones in single lines of red; relief shown by grey tint; triangulation lines in ink as well in the pencil all over the sheets; some place-names also in pencil; sections 22 and 22A signed by P. Turnbull, Surveyor; and sheet 22M an uncoloured index sheet.

1801-20/23

**Pondicherry - Topographical.**

Size: 60 cm x 53 cm. between borders; in one sheet. No coordinates marked or numbered; hand-drawn in black ink and coloured; relief shown by light grey tint; roads in single lines of red; some blank areas appear; half sickle-arrowhead as north indicator and signed by D. Sim, Surveyor and Colin Mackenzie, Surveyor General of India, dated August 29, 1816.

1801-20/23A

**Pondicherry - Topographical.**

Size: 77 cm x 56 cm. between borders; in one sheet. No coordinates marked or numbered; hand-drawn in black ink and coloured; some blank areas appear; relief shown with very light grey tint; roads drawn in single lines of red; half sickle-arrowhead as north indicator and many place-names in pencil.

This is an incomplete map with some portion in south-west corner missing.

Watermark: "J WHATMAN 1811".

1801-20/23B

Pondicherry - Topographical.

Size: 83 cm x 67.5 cm, actual area; in one sheet. No coordinates marked or numbered; hand-drawn in black ink and sparsely coloured; relief drawn by very light grey tint; roads marked in single lines of red; boundaries shown and many sites of towns marked but only 4 place-names written.

This is incomplete map.

Watermark: "J WHATMAN 1811".

1801-20/23C

Pondicherry - Topographical.

Size: 35 cm x 45 cm, between borders; in one sheet. No coordinates drawn or numbered; hand-drawn in black ink and coloured; some blank areas shown; roads in single lines of red; half sickle-arrowhead as north indicator. and signed by F. Mountford, Asstt. Surveyor General.

Watermark: "J WHATMAN 1811".

1801-20/24

Ganjam - Topographical.

Size: 54.5 cm x 38 cm, actual area, in one sheet. No coordinates drawn are numbered; hand-drawn in black ink and coloured, beautifully drawn and coloured

though only in sepia; but lettering in black ink; palm groves, cultivated areas all decoratively drawn; relief shown by sepia tint and light grey hechures drawn by brush strokes; and roads in single lines, also of sepia.

This is an 'Original Sketch'.

Watermark: "J WHATMAN".

1801-20/24A

Ganjam - Topographical.

Size: 53 cm x 38.5 cm, between borders; in one sheet. No coordinates drawn or numbered; hand-drawn in black ink and coloured; striking feature - delicately drawn Palm trees; relief shown by grey tint and roads marked by single lines of burnt sienna.

A beautiful specimen of the art of map decoration.

1801-20/25-25L

Cochin - Topographical.

Size: 132 cm x 203.5 cm, actual area; in 12 sections; with one Index sheet also measuring 30.2 cm x 50.5 cm, actual area. No coordinates drawn or numbered; hand-drawn in black ink and coloured; conventional signs artistically drawn; relief shown by grey of various tones and roads in single lines of red.

An example of very high quality of map making of the 19th century with beautiful lettering and colouring.



The sheets contain four types of watermarks:  
 (1) Initials "EVIC" in heart-shaped design topped with '4' and 'crescent' and "J WHATMAN 1809";  
 (2) "S WISE & PATCH"; (3) 'Fleur-de Lis' and 'Bend' and "1806"; and (4) "S & C WISE 1815".

1801-20/26

Kurangoth - Topographical.

Size: 60 cm x 53 cm, between borders; in one sheet. No coordinates marked or numbered; hand-drawn and coloured; some blank areas shown; cultivated areas shown by green tint and green rectangles and boundaries ribbon-coloured; relief shown by overlapping tints of grey, red and burnt sienna colours; roads in double lines of burnt sienna, and graticules in pencil visible.

1801-20/26A

Kurangoth - Topographical.

Size: 66 cm x 57 cm, between borders; in one sheet. No coordinates marked or numbered; hand-drawn and coloured; almost all the cartographic symbols drawn and coloured mostly with sepia and burnt sienna, except ribbon-coloured boundaries; cultivated areas marked with oblong shapes and ploughed furrows shown in sepia; fort walls beautifully drawn; relief shown by grey tint and roads drawn with thick single lines of burnt sienna with one side coloured red.

This is a rough draft.

1801-20/26B, 26C

Kurangoth - Topographical.

Size: 63.5 cm x 48.5 cm. between borders; each in single sheet. No coordinates marked or numbered; hand-drawn and coloured; blank unsurveyed areas shown; palmyras groves beautifully drawn; cultivated areas shown with light grey tint and grey rectangles; relief shown also with grey tint and roads of double lines, with one side black and the other drawn in single red ink, with signature of Colin Mackenzie, Surveyor General.

These are very neatly drawn and pleasingly coloured maps.

The watermark on both the maps: 'heart-shaped' design with initials "EVIC" within it, topped with '4' and 'crescent' and "J WHATMAN 1808".

1801-20/26D

Kurangoth - Topographical.

Size: 63 cm x 47.5 cm, between borders; in one sheet. No coordinates drawn or numbered; hand-drawn but sparsely coloured; cultivated areas shown in oblong shapes and coloured light grey; relief shown by grey and green tints, roads in double lines in dotted black and also of single lines of red; half sickle-arrowhead as north indicator; graticules marked in black ink and signed by Colin Mackenzie, Surveyor General, dated March 29, 1817.

Watermark: Initials "EVIC" in heart-shaped design and topped with '4' and 'crescent' and J WHATMAN 1808".

1801-20/27

Mahe - Topographical.

Size: 63 cm x 47 cm, actual area; in one sheet. No coordinates marked or numbered; hand-drawn and sparsely coloured; vegetation marked with deep green and cultivated fields with dotted lines indicating furrows, also with deep green; relief shown by grey tint and various types of roads marked with single lines, double dotted lines and double full lines, all in burnt sienna; a lone mango tree and a palm tree shown; outer walls and bastions of the fort with neatly written lettering in sepia.

Watermark: " J WHATMAN 1794" with 'Foeur-de-Lis' and 'Monogram'.

1801-20/28

Mysore - Topographical.

Size: 142 cm x 139 cm, between borders; in four sheets pasted together. Hand-drawn and coloured; forests shown with roughly sprayed green dots for trees having deep green shadows on the east; thick palmyras groves and cultivated areas in the shape of rectangles pleasingly shown; deep ravines and high grass-lands beautifully drawn; relief shown with grey and light green tints; roads in single lines of light pink; graticules and triangulations marked, and signed by Colon Mackenzie, Superintendent, Mysore Survey, dated May 1, 1803.

1801-20/28A

Mysore - Topographical.

Size: 157 cm x 140 cm, actual area; in six sheets pasted together. No coordinates marked or numbered; hand-drawn and very sparsely coloured; relief shown by grey tint and roads in single lines of red.

Watermark: "BUDGEN 1800" with 'Fleur-de-Lis' and 'Monogram'.

1801-20/29

Mysore - Topographical.

Size: 42.5 cm x 52.5 cm, between borders, in one sheet. Latitudes from 11°N to 16°N and longitudes 74°E to 81°E of Greenwich marked and numbered; hand-drawn and coloured; conventional signs beautifully drawn; relief shown by grey tint and roads by single lines of red.

Watermark: "J WHATMAN 1801" and 'Fleur-de-Lis' with 'Monogram'.

1801-20/29A

Mysore - Topographical.

Size: 59 cm x 73 cm, between borders; in four sheets pasted together. No coordinates drawn or numbered; hand-drawn and coloured; some blank unsurveyed areas marked; territories shown by tints of various colours and boundaries

ribbon-coloured; jungles shown in a very crude way with green; relief shown by grey tint, and signed by Colin Mackenzie, dated June 12, 1806.

Watermark: 'Fleur-de-Lis', and below it, 'Bend' and 'Monogram'.

1801-20/30-30A

Mysore - Topographical.

Size: 69 cm x 100 cm, between borders and both in 2 sheets pasted together. Coordinates drawn but only parallels numbered from  $11^{\circ}\text{N}$  to  $15^{\circ}\text{N}$ ; hand-drawn and lightly coloured; blank areas appear; usual conventional signs used; relief shown by grey tint and roads in thick single lines of red with black dotted lines on it.

Watermark: Not clearly visible.

1801-20/31

Nepal - India - Topographical.

Size: 53 cm x 171 cm, between borders, in two sheets pasted together. Only parallel  $27^{\circ}29'26''$  marked in pencil but numbered in black ink; drawn in black ink only; boundary pillars, forests, cultivated and uncultivated areas marked; relief shown by vertical hachures drawn by semi dry brush in black; full sickle-arrowhead as north indicator; decoratively written; noting on the back of the map reads - "Original received 22nd Oct. 1817 from the Q. M. G." and "Despatch to the Court of Directors 13th Aug. 1830".

1801-20/31A

Nepal - India - Topographical.

Size: 36.5 cm x 59.6 cm, between borders; two sheets pasted together. Only parallel  $27^{\circ}29'26''$  marked and numbered; hand-drawn and coloured; boundary pillars in red; forest areas beautifully shown as also the relief and cultivated areas; relief shown by grey and green tints; half sickle-arrowhead as north indicator; and graticules in pencil.

A very neatly drawn and coloured map.

Watermark: "J WHATMAN 1811".

1801-20/31B

Nepal - India - Topographical.

Size: 21.7 cm x 37.7 cm, between borders; in one sheet. Only parallel  $27^{\circ}29'36''$  marked and numbered; hand-drawn and coloured; boundary pillars in red; relief in grey tint; and half sickle-arrowhead as north indicator.

Very neatly drawn map and unnecessary details in relief and vegetation avoided.

Watermark: "J WHATMAN 1818".

1801-20/32

Nepal - India - Topographical.

Size: 65.5 cm x 152.3 cm, between borders; two sheets pasted together. Coordinates drawn but only latitudes  $26^{\circ}20'$  to  $26^{\circ}40'$  numbered on the right hand border; hand-drawn and coloured; masonry boundary pillars shown but pillar No. 54 of 'Sal Timber'; forest areas coloured with light green tint showing trees in dark green with shadows on the east; extensive 'Bandh' also shown; relief shown by green and grey tints.

Remarks like - "Great Saul Forests", "A very extensive Bound or Causeway called Bheem Bound & Mujoornee Kauth extending from the first range of Hills to the Ganges supposed by some to have been constructed to check the overflowings of the Koosa River, by others to have divided the Ancient Kingdoms of 'Gour' and 'Simroun'", "Forest which yields Lac" etc. written on the map, explain the topography.

Watermark: "J WHATMAN 1811".

1801-20/32A

Nepal - India - Topographical.

Size: 66 cm x 151.5 cm, between borders; three sheets pasted together. Coordinates drawn but only latitudes  $26^{\circ}10'$  to  $26^{\circ}20'$  numbered on the eastern border; hand-drawn and sparsely coloured; only lakes, marshy areas, boundary and "causeway" coloured;

some blank areas appear; masonry boundary pillars marked except, pillar number 45, - a wooden 'Salt Timber' pillar; forest areas shown with beautifully drawn trees with shadows on the east; relief shown by vertical hechures drawn with semi dry brush of grey colour; and signed by J.C. Walpole, Major, Surveyor General of India.

Very neatly drawn map but a portion at lower right corner missing.

Watermark: "RUSE & TURNERS 1824".

1801-20/32B

Nepal - India - Topographical.

Size: 50 cm x 77 cm, between borders; two sheets pasted together. Parallels from 20°N to 40°N marked and numbered; hand-drawn and coloured; forest areas shown by beautifully drawn trees in green with shadows on the east; boundary pillars and boundary line shown in red; and relief shown in grey tint.

A very neatly drawn reduction.

Watermark: "RUSE & TURNER 1813".

1801-20/33

Nepal - India - Topographical.

Size: 55.5 cm x 74 cm, between borders; in one sheet. No coordinates marked; hand-drawn and coloured; topographical details along the boundary shown using



artistic symbols; forest areas covered with beautifully drawn trees with shadows falling on the east; boundary line in red; and relief shown in grey tint.

1801-20/34

Nepal - India - Topographical.

Size: 57 cm x 74.5 cm, between borders; in one sheet. Coordinates marked but only Parallels 27°N to 27°30'N numbered; hand-drawn and sparsely coloured; boundary pillars on eastern and western sectors of the boundary marked; forest areas shown with crowquill in black ink with shadows on the east; relief shown in grey tint; lower Tarai region marked with delicate brush work of grey colour; at places vertical hechures drawn with semi-dry brush; borders ribbon-coloured; roads generally drawn in dotted single lines in black but some roads shown with dotted double lines of red; a decorative and delicate north-indicator in the shape of a walking-stick normally used by mountaineers, in black and grey colours shown; mountain ranges drawn in perspective, giving the map a pictorial look; and remarks like - "Saul Forests", "Gold dust collected in the Hurran", "Navigable for store-boats to this throughout the year"; on the Rapti river, "Ancient remains of Mud walls called Bawuni-Gurhee or 52 Forts", etc., written.

1801-20/ 35-35A

Nepal - India - Topographical.

Size: Each map is 64 cm x 123 cm, actual area; consists of two sheets pasted together. Coordinates drawn, but not numbered; hand-drawn and sparsely coloured; all boundary pillars of masonry but 19th pillar of 'Sal Timber'; on western sector '28 Saul posts' also marked between 5th and 6th masonry pillars; forest area indicated by very few trees drawn in outline with black crowquill having shadows on the east; roads in double lines of burnt sienna; graticules shown in pencil; rivers coloured with burnt sienna but Lullia river bed shown in red tint; map 35A signed by Major J.C. Walpole, Surveyor General of India.

In between two straight parallel lines running almost from north of the map to the south; a remark - "A very extensive and Ancient Causeway, running from the hills nearly to the River Ganges, named 'Bheem Baund' and 'Mujoornee Kauth' supposed to have been constructed to check the overflowings of the Koosa River or to divide the states of the Rajah's of Gour & Simroun-Gurh", written.

Watermark: Map 35A:- "RUSE & TURNERS 1821".

1801-20/ 35B

Nepal - India - Topographical.

Size: 33.5 cm x 66.2 cm, between borders; in one sheet. No coordinates marked or numbered; hand-drawn and coloured; forests, trees marked with green

tint having shadow on the east; relief shown by grey tint; roads drawn in two parallel lines, one in dotted black and the other of continuous red; half sickle-arrowhead as north indicator, and signed by J. A. Hodgson, Surveyor General of India.

Remarks between two parallel lines drawn from north to south similar to those shown on map 1801-20/35-35A.

1801-20/36-36E

Oudh - Topographical.

Size of map 36: 63.5 cm x 174 cm, maps 36A-36C: 115 cm x 84.5 cm; map 36D: 58 cm x 70 cm and 36E: 63 cm x 74.5 cm, actual areas. Maps 36-36C and 36E in 2 sheets pasted together; map 36D in single sheet. Coordinates drawn in ink but not numbered; hand-drawn and coloured; cultivated and uncultivated regions shown by conventional signs; boundary very clearly marked; tables of azimuth calculations and observations of latitudes of places also given; roads in single dotted lines of black.

Remarks like - "Dhak Jungle cultivation and long grass", "Very thick Grass and Reed Jungle with many Tigers", "Very thick forest extending to the River", "Thick wood jungle on either side of River" - appear all over, and explain the topography on sheet 36.

Watermark on map 36: not clearly visible;  
maps 36A-36C: "J WHATMAN";  
map 36D: No watermark;  
map 36E: "J WHATMAN 1820" and 'Fleur-de-Lis'  
and 'Monogram'.

1801-20/37-37A

Oudh - Topographical.

Size: 59.8 cm x 80.5 cm, between borders; in one sheet. Coordinates drawn; parallels from  $25^{\circ}\text{N}$  to  $30^{\circ}\text{N}$  and longitudes from  $77^{\circ}\text{E}$  to  $84^{\circ}\text{E}$  numbered; borders graduated; hand-drawn but very sparsely coloured; conventional symbols used; relief shown as rows of hillocks, with rounded peaks and shaded with grey tint on the east; roads in single lines of blue, black and red colours; graticules, in pencil, appear on sheet 37A, and some later additions/corrections also marked.

1801-20/37B

Oudh - Topographical.

Size: 42.8 cm x 83 cm, between borders; in one sheet. Only latitudes  $25^{\circ}\text{N}$  to  $29^{\circ}\text{N}$  and longitudes  $77^{\circ}\text{E}$  to  $85^{\circ}\text{E}$  marked and numbered; hand-drawn in black; some blank areas appear; mountain ranges shown as rows of hillocks with pointed peaks, shaded on the east by grey tint; roads in single lines of black; very decorative title in a beautiful oval-shaped design; and 'Statement' by way of explanation, encompassed in a design in the shape of partially unforlde scroll of paper.

It is a fine specimen of map making.

1801-20/37C

Oudh - Topographical.

Size: 67.5 cm x 93.5 cm, between borders; five sheets pasted together. Latitudes  $25^{\circ}\text{N}$  to  $30^{\circ}\text{N}$  and longitudes  $76^{\circ}\text{E}$  to  $85^{\circ}\text{E}$  drawn and numbered; hand-drawn and partly coloured; blank areas also appear; boundaries on north-west of Jamuna River ribbon-coloured; hill ranges shown as rows of hillocks having pointed peaks with vertical hachures as shading on the east; place-names only along the rivers written, except in north-west corner where place-names away from the rivers also written, and calculations, in pencil, giving bearings of some places also appear.

Unfinished map.

1801-20/38

Oudh - Route Survey (Topographical).

Size: 123 cm x 173 cm, actual area; five sheets pasted together. No coordinates marked or numbered; hand-drawn and coloured; topographical details along the route given; cultivated and uncultivated areas very clearly shown by symbols and road in single line of burnt sienna.

This is a fine example of boundary survey so far as the use of conventional signs is concerned but the lettering is not upto the mark.

Watermark: "EDMEADS & PINE" with 'Fleur-de-Lis' and "1801".

1801-20/38A

Oudh - Route Survey (Topographical).

Size: 125 cm x 99.5 cm, actual area; four sheets pasted together. No coordinates drawn are marked; graticules in pencil visible at some places; hand-drawn and sparsely coloured; and boundaries ribbon-coloured.

Very roughly coloured and badly written. Seems to be unfinished draft copy.

1801-20/39

Malwa - Topographical.

Size: 74 cm x 95 cm, between borders; in one sheet. Inner border graduated; latitudes  $19^{\circ}\text{N}$  to  $24^{\circ}\text{N}$  and longitudes  $73^{\circ}\text{E}$  to  $81^{\circ}\text{E}$  marked and numbered; hand-drawn in black ink but not coloured; mountain ranges shown as rows of hillocks having pointed peaks with shading on the east with grey tint in a very rough manner; and roads in single black lines.

Watermark: "J WHATMAN & TURKEY MILLS 1809".

1801-20/38A

Malwa - Topographical.

Size: 75 cm x 95.5 cm, between borders; two sheets pasted together. Inner border graduated; latitudes  $19^{\circ}\text{N}$  to  $24^{\circ}\text{N}$  and longitudes  $73^{\circ}\text{E}$  to  $81^{\circ}\text{E}$  marked and numbered; hand-drawn and only sea and rivers coloured with light blue; blank areas appear; mountain ranges shown as

rows of hillocks with round peaks and shaded by grey tint on the east; roads in single lines of black; and signed by C. Mackenzie, dated Dec. 31, 1817.

Watermark: "J WHATMAN 1816".

1801-20/40-40B

Sandur - Topographical.

Size of maps 40-40A: 22.9 cm x 35.9 cm; map 40B: 35.4 cm x 29.8 cm, between borders. Each map in single sheet; no coordinates marked or numbered; hand-drawn and coloured; conventional signs effectively used; relief shown by grey tint and roads in double lines of red.

Watermark on maps 40-40A: Initials "EVIC" in heart-shaped design, topped with '4' and 'crescent' and "1809";

map 40B: "S WISE & PATCH".

1801-20/41

Oudh - Topographical.

Size: 19.2 cm x 57.8 cm, between borders; in single sheet. No coordinates marked or numbered; printed copy; not coloured; rivers and lakes shaded with horizontal black lines; cities and towns drawn in oblong shapes shaded with slanting black lines; roads shown as double broken lines; compass rose designed as 'Fleur-de-Lis'; part of the title:

of the map in pencil - probably a later addition; a brief biographical sketch in pencil of Major James Rennell written - an extract supplied by T.H.D. La Touche appear outside the lower border of the map.

1801-20/42

Sundarbans - Topographical.

Size: 51.8 cm x 70.8 cm, between borders; in one sheet. Only latitude  $22^{\circ}34'40''$  marked and numbered; hand-drawn and partly coloured; blank areas appear; forest areas along the main streams shown; routes in single lines of red; geographical meridian and magnetic meridian marked.

The map is torn at many places at the edges and portions missing.

Watermark: "BUDGEN".

1801-20/42A

Sundarbans - Topographical.

Size: 93 cm x 69.2 cm, between borders; two sheets pasted together. Coordinates marked and Fort William taken as  $0^{\circ}$  Meridian; latitudes from  $22^{\circ}$ N to  $23^{\circ}$ N, and longitudes upto  $40^{\circ}$ E marked and numbered; hand-drawn and coloured; lakes, marshes and forests shown by beautifully drawn symbols; roads in single lines in red; title decoratively written in a circle; magnetic north line marked and decorated with half sickle-arrowhead; "Salt works", "Indigo Works", "Salt Golahs" and villages with Pukka houses shown, and table showing astronomical observations, altitudes and latitudes of places given.



1801-20/42B.

**Sundarbans - Topographical.**

Size: 163 cm x 141.5 cm, between borders; in seven sheets of various sizes pasted together. Fort William meridian taken as the Prime Meridian; latitudes from  $21^{\circ}40'N$  to  $23^{\circ}20'N$  and longitudes  $0^{\circ}10'W$  and  $1^{\circ}30'E$  marked and numbered; hand-drawn and coloured; blank areas appear; areas covered by forests and other vegetation shown; 'peepul', tamarind, coconut and plaintain tree groves marked and shown with beautifully drawn symbols; roads in single red lines; very decoratively written title; magnetic north line drawn with full sickle-arrowhead.

Watermark: "J WHATMAN, 1815" with 'Fleur-de-Lis' and 'Monogram'.

1801-20/43

**Cuttack - Route Survey (Topographical).**

Size: 52 cm x 184 cm, actual area; in two sheets, pasted together. No coordinates marked or numbered; hand-drawn and coloured; cultivated and uncultivated areas and forests along the route beautifully shown; relief marked by light tint and spray of blue and green colours; roads in single thick lines of burnt sienna with one side in single thick black lines, and a decorative compass shown.

1801-20/44-44A

**Cuttack - Topographical.**

Size of map 44: 78.5 cm x 94 cm, within borders; map 44A: 74.5 cm x 87 cm, within borders; each in two sheets pasted together. No coordinates marked or numbered; hand-drawn and coloured, built-in areas with major roads shown; cultivated and uncultivated areas and forests marked; relief shown by thick vertical hechures drawn by brush in grey tint; roads in single lines of thick burnt sienna, with one side having single black line and the other side in broken line, with trees lining the roads marked; half sickle-arrowhead indicates north; some additions and corrections and triangulation lines with distances and bearings marked on map 44A; map 44, bears the signature of B. Buxton, Surveyor.

1801-20/45-45A

**Sutlej-Ganges - Panoramic View.**

Size of map 45: 23 cm x 347.2 cm; map 45A: 24.5 cm x 330 cm, actual area. Map 45 in 5 sheets and map 44A in 4 sheets, pasted together. No coordinates marked or numbered; hand-drawn and coloured; villages shown in perspective; relief shown in section in black ink, in single line, without shading.

**Watermark: Map 45 - "RUSE & TURNERS 1815".**

1801-20/46-46B

Delhi - Topographical.

Size: of map 46: 90 cm x 56.5 cm, within borders; map 46A: 98.5 cm x 66 cm, actual area; map 46B: 90.5 cm x 57.5 cm, within borders; each map in single sheet. No coordinates marked or numbered; hand-drawn and maps 46, 46B coloured; on map 46B only southern border drawn; relief shown by grey tint and roads in single lines of red; remarks - "River loses itself in the sand" appear on some rivers in the northern region; graticules and lines of triangulations shown in pencil on map 46A; title of 46B in very decorative style of lettering using curves, and 46A draft map with some portion missing.

Watermark on all the maps: "J WHATMAN 1801".

1801-20/47

Hyderabad - Topographical.

Size: 31 cm x 23 cm, between borders; in one sheet. Coordinates drawn; longitudes east of Greenwich; latitudes from  $17^{\circ}\text{N}$  to  $19^{\circ}\text{N}$  and longitudes  $75^{\circ}\text{E}$  and  $76^{\circ}\text{E}$  numbered; hand-drawn and coloured; boundaries ribbon-coloured; relief shown by grey tint; roads in single lines of red; trigonometrical stations marked; graduated scale-bar also shown; all graticules in pencil.

1801-20/47A

**Hyderabad - Topographical.**

Size: 31 cm x 23 cm, between borders; in one sheet. Coordinates drawn; longitudes east of Greenwich; latitudes from  $17^{\circ}\text{N}$  to  $19^{\circ}\text{N}$  and longitudes  $75^{\circ}\text{E}$  and  $76^{\circ}\text{E}$  numbered; hand-drawn and coloured; boundaries ribbon-coloured; relief shown by grey tint; roads in single lines of red; trigonometrical stations shown; graticules, in pencil, marked; signed by J. Mountford, Asstt. Surveyor General, dated Madras 23rd September 1822.

On the reverse of the map, it bears remarks - "Copied in the Surveyor General's Office, Calcutta and sent to England"; and "Western Boundary of the Nizam's Dominions surveyed by Captain Garling from September 1819 to June 1820 - 16 miles. Recd. from the Department Surveyor General Madras on the 8th October 1822 with letter of the 24th September, 1822"; and signed by R. Young, Capt., incharge of Hyderabad Survey.

Watermark: "S & C WISE".

1801-20/48

**Mysore - Topographical.**

Size: 124.8 cm x 132.5 cm, between borders; six sheets, pasted together. No coordinates marked or numbered; hand-drawn and coloured; territories shown by tints; cultivated areas shown by rectangles drawn in dotted lines of black and at some places by grey lines; palm-groves, forests shown by unconventional symbols; relief shown by grey tint and roads in single lines of red and

some in brown; rivers in blue tint but one bank shown in black line; graduated scale-bar also marked; half sickle-arrowhead shows north; and title written in oval-shaped design with decorative lettering.

Watermark: "WELGER 1798" with 'Fleur-de-Lis' and 'Monogram'.

1801-20/49-49G

India, Southern - Trigonometrical.

Size: 199.3 cm x 150.7 cm, between borders; in eight sheets. Longitudes east of Greenwich marked; latitudes from  $8^{\circ}\text{N}$  to  $17^{\circ}\text{N}$  and longitudes  $74^{\circ}\text{E}$  to  $80^{\circ}\text{E}$  drawn; engraved copy but hand-coloured; major and minor triangulation lines marked; with dates of observations from Trigonometrical stations indicated in pencil.

Watermark: "J WHATMAN 1827".

1801-20/50

Pondicherry - Topographical.

Size: 92 cm x 58.5 cm, between borders; in one sheet. No coordinates marked or numbered; hand-drawn and coloured; palmyras groves shown by unconventional signs, shaded on the east; cultivated areas marked by parallel lines in light blue forming into rectangles of various shapes and sizes; some fields shown as rectangular blocks of solid grey; built-in area shown in blocks of burnt sienna outside the city; but inside, with blocks of pink; sandy areas and sand-dunes along the sea-coast beautifully shown in burnt

sienna; relief shown by vertical hachures, in pencil, but embankments marked by vertical hachures drawn with black ink; roads in single lines of burnt sienna and at places lined on both sides with trees with their shadows on the east; place-names generally in black ink but a few place-names in red ink; choultry, and parchery sites marked; scale written in pencil and some illegible remarks, in pencil written at the bottom-right corner, outside the border.

Watermark: "WHATMAN 1811".

1801-20/51-51E

India. Southern - Trigonometrical

Size: 200 cm x 157 cm, between borders; 12 sheets pasted together and then sectioned into 6 sections. Coordinates marked and numbered; longitudes east of Greenwich taken; latitudes  $8^{\circ}\text{N}$  to  $17^{\circ}\text{N}$  and longitudes from  $74^{\circ}\text{E}$  to  $81^{\circ}\text{E}$  marked and numbered; hand-drawn and sparsely coloured; major triangulation lines in black and minor ones in light red; graticules, some calculations and corrections and also trigonometrical stations marked in pencil; bears the signature "W. Lambton, S.T.S. of India", in the right bottom corner, inside the border.

Watermark: "J WHATMAN 1816".

1801-20/52

India. Southern - Trigonometrical.

Size: 89 cm x 71 cm, between borders; in 2 sheets pasted together. Coordinates marked and numbered; longitudes east of Greenwich; latitudes from  $8^{\circ}\text{N}$  to  $32^{\circ}\text{N}$  and longitudes  $72^{\circ}\text{E}$  to  $92^{\circ}\text{E}$  numbered; hand-drawn and sparsely coloured.

The map is torn and portions on the edges are missing.

Watermark: "TURKEY MILLS J WHATMAN 1818".

1801-20/53

Mauritius - Topographical.

Size: 54.2 cm x 77.8 cm, between borders; in one sheet. Latitudes  $54^{\circ}28'\text{S}$  to  $54^{\circ}55'\text{S}$  and longitudes  $19^{\circ}47'\text{E}$  to  $20^{\circ}35'\text{E}$  numbered; hand-drawn in black ink; relief shown by vertical hechures; routes in single lines in black; cultivated and uncultivated areas marked; under-water rocks and soil clearly marked showing the navigable passes; title, with corrections in pencil, beautifully written in an oval shaped design; scale-bar also shown, signed in ink outside top-left margin by Robert Smith; and Remark, in blue ink, outside bottom margin on the left in Col. R.H. Phillimore's hand, illegible.

1801-20/54

India - Nepal - Topographical.

Size: 64.5 cm x 163.3 cm, between borders, in 2 sheets pasted together. Latitudes  $27^{\circ}\text{N}$  to  $29^{\circ}\text{N}$  and longitudes  $80^{\circ}\text{E}$  to  $88^{\circ}\text{E}$  numbered in ink but marked in pencil; untitled, hand-drawn and coloured; relief shown by grey tint; routes in single lines of red; boundary pillars also marked; forest area shown by green wash with trees; scale-bar, in ink, shown; co-ordinates of Kathmandu, marked and names of surveyors and the years of survey given in pencil.

1801-20/55-55E

India - Trigonometrical.

Size: 198.5 cm x 154.5 cm, between borders; in 10 sheets, pasted together. Coordinates marked and numbered; latitudes  $8^{\circ}\text{N}$  to  $17^{\circ}\text{N}$  and longitudes  $73^{\circ}50'\text{E}$  to  $80^{\circ}40'\text{E}$  of Greenwich numbered. Drawn in black ink; no topographical features shown; only major triangles in black and minor ones in red ink marked.

Watermark: "J WHATMAN 1810", and "WHATMAN 1811".



1801-20/56-56A

Chittagong - Panoramic view.

Size of map 56: 7 cm x 149.5 cm, size of map 56A: 8.5 cm x 149.5 cm, each map in single sheet. No co-ordinates marked or numbered; hand-drawn and coloured; panoramic view through parallel of  $22^{\circ}40'N$  shown; section of relief in green and that of earth, in sepia.

Watermark on map 56A: "RUSE & TURNERS 1824".

1801-20/57-57A

Goa - Topographical.

Size: 89 cm x 60.8 cm, between borders; in 2 sections. Grey 'Proof Prints'; no coordinates drawn or numbered; relief shown by grey tint; roads in single lines also of grey; scale-bar given; and 'Fleur-de-Lis' compass-head indicates the north.

1801-20/58

Ujjain - Topographical.

Size: 37.5 cm x 66 cm, between borders; in one sheet. No co-ordinates marked or numbered; hand-drawn and coloured; built-in areas of the fort and outside shown in red tint; bastions of the fort clearly marked; relief shown by grey tint and vertical hachures in black; routes in single lines of red; sites of ferry crossings marked; cultivated areas shown with grey parallel lines forming into rectangles; and arrow-head indicates the North.

1801-20/59-59A

**Cuttack - Topographical.**

Size: 77.5 cm x 99 cm, actual area; map 59 is in 4 sheets pasted together; map 59A is in 2 sheets pasted together. Graticules in pencil, marked; hand-drawn and coloured; built-in area shown in burnt sienna on map 59 and in brown tint on map 59A; river-bed beautifully shown; gardens with hedges also shown; routes in double lines of black; cultivated fields in green tint with hedges; scale-bar drawn vertically cutting across the map, a unique feature.

Map 59A is an incomplete copy of map 59.

Watermark on sheet 59: 'Fleur-de-Lis', 'J WHATMAN 1794' and 'J WHATMAN 1801';

On sheet 59A: 'Fleur-de-Lis', and "BUDGEN 1802".

1801-20/60-60A

**Masulipatam - Topographical.**

Size of map 60: 66 cm x 82.5 cm, actual area; map 60A: 67 cm x 84 cm, between borders; each map in 2 sheets pasted together. No coordinates drawn or numbered; built-in area of the city and sand beaches in burnt sienna; gardens with hedges, in green tint; cocoanut and betel nut trees beautifully drawn; houses of important persons of the town marked; sites of various pagodas also shown; salt pans and swamps neatly drawn; scale-bar drawn vertically in the lower right corner parallel to eastern border; sickle-arrowhead indicates the north.

The maps are beautifully decorated. Map 60 is in bright colours whereas on map 60A, lighter shades are used.

No watermark on sheet 60.

Watermark on sheet 60A: Heart-shaped design topped with 'crescent' and '4' and including initials "EVIC" within it, and "J WHATMAN 1814".

1801-20/61

Mysore, South-East - Topographical.

Size: 51.5 cm x 62.5 cm, between borders; in one sheet. No coordinates marked or numbered; hand-drawn and coloured; cultivated area shown in rectangles, coloured light blue; water-logged fields shown in rectangles of deep blue; inhabited area shown in rectangles of various shapes in burnt sienna; relief shown by grey tint and the slopes indicated with lines of grey dots; routes in double lines and coloured burnt sienna; title written in vertical oval-shape design in north-west corner, and scale-bar drawn in the north east corner.

The map contains explanatory notes in the south-west corner of the map, continued in the north-east corner, above the scale-bar.

Watermark: "J WHATMAN 1808".

1801-20/62-62M

**Mysore - Topographical.**

Each section is 30 cm x 40 cm in single sheet. No coordinates drawn or numbered; income etc maps and some in rough pencil; maps 52 and 62A show beautiful perspective view of coconut tree groves alongside lakes and tent-encampments; and on map 62H pictorial view of hill-ranges shown. in the north.

Watermarks on map 62A: "BUDGEN 1802"; on map 62A: Heart-shaped design topped with 'crescent' and '4' encompassing initials "EVIC" and is of the year "1807"; on map 62C: "J WHATMAN 1794"; on map 62D: 'Bend' with initials "GR"; on map 62E: "J WHATMAN 1801"; on maps 62F, 62G: 'Bend' with 'monogram' and initials "TBEL"; on map 62I: "BUDGEN 1802"; on map 62J: "J WHATMAN"; on map 62L: 'Fleur-de-Lis' with "1800" and on map 62M: "T STAING 1800".

1801-20/63-63B

**Saran - Nepal - Boundary Survey (Topographical).**

Size: 102 cm x 230.5 cm, between borders; 8 sheets pasted together. No coordinates marked and numbered; hand-drawn and coloured; minor routes in single lines of burnt sienna and major routes in double lines; cultivated and forest areas beautifully shown; boundary pillars marked; two scale-bars, one for 'British miles' and the other 'Nepalese Coss' shown in left-bottom corner with a reference table.

This is a very good example of plane-table survey maps. Maps 63A and 63B are coloured 'proof' copies of a portion of the map.

1821-40/1

Ghazni - Ferozepore - Route Survey (Topographical).

Size: 65.5 cm x 190.0 cm, between borders; in 4 sheets, pasted together. Only  $34^{\circ}\text{N}$  latitude drawn and numbered; hand-drawn in grey colour; relief shown in grey tint; main route in single line of red but some routes in single dotted lines also of red; many place-names and coordinate calculations, in pencil; scale-bar given; and sectional drawing of the route traversed indicating the comparative height of some important places given at the bottom of the map.

Watermark: "J WHATMAN 1838".

1821-40/1A

Ferozepore - Rawalpindi - Route Survey (Topographical).

Size: 137.5 cm x 66.2 cm, between borders; in 2 sheets, pasted together. Parallels  $31^{\circ}\text{N}$  to  $33^{\circ}\text{N}$  drawn and numbered; hand-drawn in grey; relief shown in grey tint; route in red; scale-bar given in top-right corner below the title; and contains a sectional drawing at the bottom of the map giving the comparative heights of important places enroute.

Watermark: "J WHATMAN 1838".

1821-40/2

**Herat - Peshawar - Route Survey (Topographical).**

Size: 72.2 cm x 211.4 cm, between borders; in 2 sheets, pasted together. Latitudes  $32^{\circ}\text{N}$  to  $35^{\circ}\text{N}$ , and longitudes  $62^{\circ}\text{E}$  to  $73^{\circ}\text{E}$  drawn and numbered; hand-drawn and coloured; forest areas and grass-lands shown; statements about the conditions and types of the soil, kinds of produce, occupation of the people, details of the relief and rivers, types of dwellings etc. written in detail all over the route; relief shown with grey tint and route in single line of red.

The map contains a number of other explanatory remarks which are written all over the map. Some portion of the map is missing.

1821-40/3

**Assam - Topographical.**

Size: 36.4 cm x 43.5 cm, between borders; in one sheet. No coordinates marked or numbered; hand-drawn and coloured; jungle areas marked with scattered trees and bear descriptions in words; direction of the flow of the river indicated by arrows; relief shown by vertical hechures; routes in single dotted lines; distances given in terms of number of days required for journey from a particular place; and bears the signature of James Bedford.

The peculiar feature of the map is that it is 'East-oriented', i.e., top side indicates east and the bottom line, west etc.

Watermark: "J WHATMAN" and heart-shaped design encompassing initials "EVIC" and topped with 'crescent' and '4' and flanked by the year "1821" on both sides; at its bottom is "BOLSTON & CO.".

1821-40/4

Darrang - River Survey.

Size: 57.5 cm x 90.7 cm, actual area; in 2 sheets, pasted together. Latitudes drawn but not numbered; hand-drawn but not coloured; cultivated areas along the river shown, other topographical features explained in words along the river.

1821-40/5-5A

**Noakhali - Topographical.**

Size of maps 5: 54.6 cm x 71.8 cm, actual area; map 5A: 52.7 cm x 71.1 cm, between borders; each map is in single sheet. No coordinates drawn or numbered; hand-drawn and coloured; some areas shown separated from others by rows of beautifully drawn trees; 'hoogla', 'molda' and 'jow' jungle areas demarcated; cattle grazing grounds marked and scale-bar shown in the right-bottom corner; with some mathematical calculations, in pencil written on the map 5A.

Watermark on map 5: Heart-shaped design encompassing initials "EVIC" topped with 'crescent' and '4' and at the bottom "E WISE 1828"; on map 5A: "J WHATMAN 1834".

1821-40/5B

**Noakhali - Blank Outline.**

Size: 54.2 cm x 75.2 cm, actual area; single sheet. Graticules marked in pencil; hand-drawn; only coloured blue outline drawn; title, scale-bar in pencil, given; area calculations and other mathematical deductions, also in pencil, written.

This is an incomplete map.

Watermark: "J WHATMAN", and heart-shaped design encompassing the initials "EVIC" and topped with 'crescent' and '4' flanked with year "1831" and at the bottom "BALSTON & CO.".



1821-40/5C-5D

**Noakhali - Topographical.**

Size: 30.3 cm x 38.3 cm, between borders; both in single sheets. No coordinates marked or numbered; hand-drawn; only major rivers and the sea coloured blue; shallow portion of the sea near the coast marked; and half sickle-arrowhead indicates the north.

Watermark on map 5C: "J WHATMAN" and heart-shaped design encompassing initials "EVIC" and topped with 'crescent' and '4', flanked by the year "1828" and at the bottom "BALSTON & CO"; on map 5D: same except the year, "1829".

1821-40/6

**India. Northern - Topographical.**

Size: 98 cm x 152.5 cm, between borders; 4 sheets, pasted together. Latitudes  $21^{\circ}\text{N}$  to  $27^{\circ}\text{N}$  and longitudes  $5^{\circ}\text{W}$  to  $5^{\circ}\text{E}$  drawn; Calcutta as  $0^{\circ}$  meridian; printed copy, but with some portion hand coloured and marked with red pencil; mountain ranges shown as rows of hillocks with pointed tops shaded on the east; routes in double-lines; title written in a very decorative style in the left bottom corner; 'Dedication' by the publisher written in the top right corner; scale-bars giving scales of 'Bengal Coss', 'British miles' and 'Geographical miles' given in the top-left and bottom right corners.

Some portion of the map, in the north-west region, missing.

1821-40/7

**Purnea - Topographical..**

Size: 76 cm x 65.5 cm, between borders; in one sheet. Only latitudes from  $25^{\circ}\text{N}$  to  $30^{\circ}\text{N}$  drawn. Calcutta as  $0^{\circ}$  Meridian; hand-drawn and coloured; mountain ranges shown as rows of hillocks with rounded and rough tops, shaded on the west; round-stones like symbols used for trees indicating forest area; routes in single lines of red; rivers coloured with grey tint; title written in a decorative manner in the bottom-left corner along with scale-bar; some place-names, extension of rivers and graticules marked in pencil and bears the signature of Walpole, Surveyor General of India, with remarks - "Corresponds with Western Half of Atlas No V" - written, in pencil, in the left top corner.

1821-40/8-8A

**Bombay - Topographical.**

Size of Map 8: 75 cm x 54.5 cm, actual area; map 8A: 75.3 cm x 52 cm, actual area; both in single sheets. No coordinates drawn or numbered; hand-drawn and coloured; marshy land in map 8 shown with horizontal brush strokes of grey colour but on map 8A, shown with blue strokes; relief marked by grey tint; routes in single lines of black on map 8 and in red on map 8A; on map 8, diagonal scale-bar shown in bottom-left corner and on map 8A, drawn on the right, middle portion; on map 8, four quadrangles of the compass circle, showing all the

90 degrees in each quadrangle, marked covering almost half of the entire sheet overlapping the mapped portion; and both maps contain graticules in pencil.

Map 8A is a fair copy of map 8.

Watermark: Map 8; 'Fleur-de-Lis' with 'monogram' and at its bottom "J WHATMAN 1829".

1821-40/9-9A

Singapore - Topographical.

Size: 46 cm x 59 cm, between borders; both in single sheets. No coordinates drawn or numbered; hand-drawn and coloured; map 9, sparsely coloured; submerged portion of some of the islands and 'mud bank' beautifully shown; relief shown by grey tint; title of map 9 artistically written with decorated lettering in the left-bottom corner and 'Remarks' written in beautifully designed space at the centre and inside the bottom border; scale-bar in the right-bottom corner; both maps contain artistically designed compass-head indicating the north.

Map 9A is a fair copy of map 9.

Watermark on map 9: "J WHATMAN 1820"; on map 9A: "J WHATMAN 1841".

1821-40/10-10D

**Assam - Topographical.**

Size of Maps 10-10C: 72.8 cm x 45 cm; map 10D: 78.5 cm x 54 cm; between borders. On maps 10-10C, latitudes from  $19^{\circ}\text{N}$  to  $25^{\circ}\text{N}$  and longitudes from  $93^{\circ}\text{E}$  to  $97^{\circ}\text{E}$  drawn and numbered; on map 10D, latitudes from  $19^{\circ}\text{N}$  to  $26^{\circ}\text{N}$  and longitudes from  $91^{\circ}\text{E}$  to  $97^{\circ}\text{E}$  marked and numbered; hand-drawn and only rivers coloured light blue except on map 10, in light green; relief shown by grey tint along with vertical hechures; routes marked in single lines; place-names only along the rivers and around Manipur written; few place names added in red ink; title on map 10, in pencil, in right bottom corner and the scale-bar in left bottom portion; but on map 10D scale written in pencil; bears 'Reference' table explaining the use of colours, though the yellow colour has faded out.

Watermark on maps 10 and 10B: "RUSE & TURNERS 1824"; on map 10C: "RUSE & TURNERS".

1821-40/11

**Burma, Western - Topographical.**

Size: 103 cm x 65.8 cm, between borders; in 2 sheets, pasted together. Coordinates marked and numbered; latitudes from  $9^{\circ}\text{N}$  to  $27^{\circ}\text{N}$  and longitudes from  $1^{\circ}\text{W}$  to  $10^{\circ}\text{E}$  marked and numbered; Calcutta as  $0^{\circ}$  Meridian; printed copy but sparsely coloured by hand; place-names written only along the rivers; relief shown by vertical hechures; routes drawn in double lines.

The map bears the initial 'B' and below it "No.104" and also '466', though written in black ink but crossed by pencil, outside the top border.

1821-40/12-12D

Burma - Topographical.

Size of Map 12: 99.2 cm x 66 cm; maps 12A-12D: 94 cm x 61.2 cm; between borders. Map 12, in one sheet and maps 12A-12D in 2 sheets, pasted together. Coordinates drawn and numbered; latitudes from  $16^{\circ}\text{N}$  to  $22^{\circ}\text{N}$  and longitudes  $92^{\circ}\text{E}$  to  $96^{\circ}\text{E}$  drawn and numbered; map 12 hand-drawn and coloured and 12A-12D lithographed copies but hand coloured; marshy areas beautifully drawn; relief on map 12 shown by bluish grey tint, but on maps 12A-12D, vertical caterpillar hechures in black indicate mountains; on map 12A scale-bar and graticules drawn in pencil near the bottom border, but on map 12C scale written in pencil; map 12 has a graduated border, coloured yellow ochre; and maps 12B-12D, bear the signatures of George Everest Surveyor General of India.

Watermark on map 12: "J WHATMAN TURKEY MILLS"; on map 12 - "J WHATMAN 1829" and on maps 12B, 12D - "J WHATMAN TURKEY MILLS".

1821-40/13

**Kothi-Rewa - Boundary Survey.**

Size: 33.3 cm x 48.7 cm, actual area; in one sheet. Hand-drawn; tables explain bearings of various stages of survey; an arrow indicates the north and bears the signature of the Deputy Surveyor General.

Watermark: "RICHARD & WILSON" and below it 'heart-shaped design' enclosing initials "EVIC", topped with '4' and 'Crescent' and flanked by the year "1835" and at its bottom "LONDON".

1821-40/14-14A

**Bombay - North, Topographical.**

Size: 54.2 cm x 75.3 cm, actual area, both in single sheets. No coordinates drawn or numbered; hand-drawn and sparsely coloured; relief shown by grey tint; routes marked in single lines of black on map 14, and in single lines of burnt sienna on map 14A; map 14 shows a diagonal scale while map 14A a scale-bar; both have grati-cules drawn in pencil; and map 14A also shows all the four quadrangles of a compass circle marked with degrees encompassing almost the whole map.

Watermark on map 14: "J WHATMAN 1829" and 'Fleur-de-Lis' above the 'monogram'. No watermark on map 14A.

1821-40/15

**Bombay, North - Topographical.**

Size: 74.4 cm x 128 cm, between borders; in two sheets, pasted together. No coordinates drawn or numbered; hand-drawn and coloured; cultivated areas shown by parallel lines forming rectangles indicating furrows; forests shown by heavily sprayed dots of grey colour; boundary ribbon-coloured; relief shown by grey tint; river-beds beautifully drawn and vegetation along the banks of rivers also shown; compass rose indicates the north; scale-bar and the title given in the bottom-centre of the map; contains a 'Reference' table also; and bears the signature of the surveyor Frances Horn....

Watermark: "B" and below it "J WHATMAN 1813".

1821-40/16

**Diu - Topographical.**

Size: 67.5 cm x 144.2 cm, actual area; in two sheets, pasted together. No coordinates marked or numbered; hand drawn and sparsely coloured; fortifications coloured red; sandy-areas shown with grey tint; cultivated fields shown as rectangles with broken parallel lines indicating furrows; coconut trees very delicately drawn and decoratively placed; routes in double lines of grey; lakes coloured with grey tint; no place-names written on the map except a few in pencil; many numbers written but the 'Reference' table explaining them incomplete; coast coloured blue and contains, all along it, markings probably indicating the locations

from where depth measurements taken; has many sectional and plan drawings taken from various angles of the island and also a coloured landscape sketch, the title of which, in faded pencil, written in the centre of the top border; has a beautiful compass-arrow indicating north, and contains many remarks, in faded pencil.

1821-40/16A-16F

India - Trigonometrical.

Size: 78.2 cm x 65.9 cm, between borders; each map in two sheets, pasted together. Coordinates not drawn but numbered from  $8^{\circ}\text{N}$  to  $36^{\circ}\text{N}$  latitudes and  $67^{\circ}\text{E}$  to  $95^{\circ}\text{E}$  longitudes; lithographed copies; maps 16A, 16B and 16E coloured; relief shown by vertical caterpillar hechures; contain 'table' explaining the colours; names of the various surveyors engaged on the surveys written on the maps surveyed by them.

Watermark on map 16C: "RUSE & TURNERS 1821"; on map 16F: "RUSE & TURNERS 1822".

1821-40/17

Madras - Topographical.

Size: 127.5 cm x 85 cm, between borders; four sheets, pasted together. Coordinates drawn and numbered; latitudes  $13^{\circ}\text{N}$  to  $13^{\circ}10'\text{N}$  and longitudes  $80^{\circ}16'\text{E}$  to  $80^{\circ}21'\text{E}$  marked; hand-drawn and coloured; artistically drawn map showing each park and garden with hedges in green; built-in areas shown in rectangles



of burnt sienna outside the Blacktown area coloured pink; roads in double lines with trees on both sides; betel-nut and coconut tree groves represented; cultivated areas designed with grey lines in honey-comb fashion; churches in various parts of the town shown in elevation; and title written in the bottom right corner with beautifully designed letters.

Portions of the map on the right and left borders are missing.

1821-40/18-18E

India, North - Topographical.

Size: 33 cm x 24 cm, actual area; each in single sheet. No coordinates marked or numbered; hand-drawn in black ink; relief shown by vertical hechures with indications of the slope by approximate contours; compass rose shown; and details of construction of the boundary pillars given on map 18B.

These are roughly drawn maps.

Water mark on map 18C: "J WHATMAN 1821".

1821-40/19

India, North - Topographical.

Size: 29.2 cm x 45.9 cm, between borders; in single sheet. Only latitudes are numbered on the left border from 26°40'N to 28°N. No coordinates drawn; hand-drawn and coloured; boundary in ribbon-washed colours; 'Reference' to colours also given; relief shown by grey tint; and numerous tributaries to the main rivers marked.

The map contains an inset-map also showing the main hill ranges around the fort of 'Cheesagurh'.

Watermark: "RICHARDS & WILSON" and below it heart-shaped design encompassing the initials "EVIC", topped with '4' and 'crescent', flanked by the year "1835" and below it "London".

1821-40/20

All Masjid - Topographical.

Size: 43 cm x 33.5 cm, actual area; in single sheet. No coordinates drawn or numbered; hand-drawn directly with brush in brown colour; no place-names written in full but indicated by alphabets; no reference table given to explain them; relief shown by horizontal strokes of brush; route also shown by thick line by brush in burnt sienna.

This map is a quickly drawn rough sketch.

1821-40/21

Punjab - Topographical.

Size: 20.5 cm x 39.5 cm, between borders; in single sheet. Latitudes from 30°20'N to 31°N and longitudes from 74°E to 75°50'E drawn and numbered; hand-drawn and sparsely coloured; boundary ribbon-coloured; forest areas shown by peculiarly drawn trees without shade and

in black ink; routes marked by single dotted lines, in black; graduated borders coloured with light burnt sienna; names of the regions written with decoratively drawn alphabets; scale-bar also marked; name of the surveyor written in an artistically designed ribbon around a sceptre topped with 'Fleur-de-Lis' and decoratively coloured, indicating north.

1821-40/22

Punjab - Route Survey (Topographical).

Size: 87 cm x 66 cm, between borders; in single sheet. No coordinates drawn or numbered; hand-drawn and sparsely coloured having double-lined coloured border; topography along the route beautifully shown; route marked in single line of red; half sickle-arrowhead shows the north, and bears the signature of George Everest, Surveyor General of India.

Watermark: "RUSE & TURNERS 1831".

1821-40/23-23A

Punjab - Topographical.

Size: 149 cm x 214.5 cm, actual area; 8 sheets pasted together to form 2 sections. Latitudes from  $31^{\circ}\text{N}$  to  $34^{\circ}\text{N}$  and longitudes from  $74^{\circ}\text{E}$  to  $79^{\circ}\text{E}$  marked and numbered; hand-drawn and coloured; boundaries ribbon-coloured; relief shown by grey tint; routes in single dotted lines; 'table' explains the colours; place-names marked but only along

various routes; heights of the mountain-peaks given in feet; bears coordinate-calculations, alternate course of a river, remark "Recd. 25th September, /43," all in pencil; also bears the signatures of Lieutenant Arthur Broome and Lieutenant Alexander Cunningham.

Watermark on map 23: "W WEATHERLEY 1837"; 'Fleur-de-Lis' with initials "WW" below it; on map 23A: "J WHATMAN" along with the 'Fleur-de-Lis' and 'initials' below it.

1821-40/24

#### Moradabad - Boundary Survey.

Size: 162.2 cm x 508.5 cm, actual area; 2 sheets pasted together. No coordinates marked or numbered; hand-drawn and sparsely coloured; no topographical details shown by conventional symbols but numerous remarks explaining the topography of the region written all over the map; relief shown by beautiful delicately drawn horizontal hechures by brush in grey tint; a long line of beautifully drawn trees from the western extremity of the map to the eastern border shown to mark lower limits of the thickly grown forest areas; 'table' explaining few symbols on the boundary line given, and bears the signature of "..... Halbed", Collector of Moradabad, with remarks that it accompanied the 'report' of the survey.

Watermark: "J WHATMAN" with heart-shaped design incorporating initials "EVIC", topped with '4' and 'crescent', flanked by the year "1823" and below it "BALSTON & CO".

1821-40/25

**Moradabad - Boundary Survey.**

Size: 38.5 cm x 64 cm, between borders; in single sheet. No coordinates marked or numbered; hand-drawn and coloured; ribbon-coloured boundary; not much topographical details shown by conventional signs; some details of topography of the region given in remarks written all over; relief shown by grey tint; half-sickle arrowhead indicates the north; and contains two lines of bearings, in pencil.

1821-40/26

**Aligarh - Boundary Survey (Topographical).**

Size: 149.5 cm x 246 cm, actual area; 7 sheets, pasted together. No coordinates marked or numbered; hand-drawn and sparsely coloured; very few topographical details given; relief shown by vertical hechures; bearings and distances of the stages of survey marked on the map, and bears the signature of James Bedford, Deputy Surveyor General.

Watermark: "RUSE & TURNERS 1827" and "RUSE & TURNERS 1831".

1821-40/27-27A

**Jumna - River Survey.**

Size: 353.5 cm x 44.2 cm, actual survey; 8 sheets, pasted together. A few parallels drawn but not numbered; lithographed, hand coloured copy; no topographical details shown; and bears the signature of J.A. Hodgson, Surveyor General of India.

1821-40/28-28A

**Assam - Boundary Survey (Topographical).**

Size of map 28: 66 cm x 126.3 cm; map 28A: 69.5 cm x 112 cm, actual areas; both in single sheets. No coordinates marked or numbered; hand-drawn and coloured; very few topographical details shown; on map 28A cultivated and uncultivated areas marked; relief shown in perspective with shadows on the south-eastern side; diagonal scale and scale-bar shown; beautiful compass-rose-head indicating the north, appears on map 28A.

1821-40/29

**Chunar - Topographical.**

Size: 86 cm x 69 cm, actual area; in single sheet. No coordinates marked or numbered; hand-drawn and coloured; built-in area outside the fort shown by burnt sienna; outer walls of the fort and built-in area inside the fort coloured red; rocky area around the fort and relief beautifully shown by grey colour; roads in double lines

of burnt sienna tint; table explaining the alphabets used on the map also given; directions of the flow of the rivers and drains shown by arrows; site of the 'ruined bridge' marked; compass arrow-head, indicating the north, also shown.

No watermark is visible because of its cloth mounting.

1821-40/30-30A

India, North - Panoramic view.

Size: 17.8 cm x 170.5 cm, actual area; each map has 3 sheets pasted together. No coordinates marked or numbered; hand-drawn and coloured.

It is a sectional drawing showing hill ranges in panorama.

1821-40/31.

Rohilkhand - Route Survey (Topographical).

Size: 145.5 cm x 129.3 cm, between borders; 6 sheets, pasted together. No coordinates drawn or numbered; hand-drawn and coloured; ribbon-coloured boundary shown; place-names and forest areas along the routes beautifully depicted; routes in single lines of burnt sienna; and graticules in pencil marked.

1821-40/32

## Kumaon - Trigonometrical.

Size: 70.2 cm x 59.8 cm, between borders; in single sheet. No coordinates marked or numbered; hand-drawn in black ink; no topographical details given except various mountain peaks; bearings or lines of triangulation of different peaks marked; table giving the distances of various peaks, given; and two scale-bars for 'English fathoms' and 'British miles' shown.

1821-40/33

## Purnea - Topographical.

Size: 80.3 cm x 64.7 cm, between borders; in single sheet. Coordinates drawn and numbered; Calcutta as Prime Meridian; latitudes from  $25^{\circ}\text{N}$  to  $26^{\circ}30'\text{N}$  and longitudes  $0^{\circ}$  Meridian of Calcutta to  $1^{\circ}\text{W}$  of Calcutta marked and numbered; hand-drawn and coloured; different symbols used for showing the location of various towns and villages but no reference table explaining them given; mountain ranges shown as rows of hillocks with rough-tops, somewhat drawn in perspective with vertical hachures; routes in single lines of burnt sienna; and forest area marked by small, roughly drawn, trees in black.



1821-40/34-34C

**Assam - Panoramic View.**

Size of maps 34, 34A: 30 cm x 27.5 cm, actual area; maps 34B, 34C: 25.5 cm x 23.5 cm, actual area; in single sheets. Elevational sections of the mountains beautifully painted, skillfully using various tones of grey colour.

1821-40/35

**Assam - Boundary Survey.**

Size 57.7 cm x 90 cm, actual area; in 2 sheets, pasted together. Coordinates marked but not numbered; hand-drawn but not coloured; no topographical details shown by conventional signs but remarks written all over explain them; former course of Brahmaputra river at some places also marked.

Some portions at the bottom and bottom-right corner are missing.

Watermark: "J WHATMAN ....."

1821-40/36-36C

**Rajputana - Perspective Views**

Size of sketches 36, 36A: 17 cm x 143 cm, actual area; each in 2 sections; sketches 36B, 36C: 16.2 cm x 100 cm, actual area; each sketch in two sections. These are landscape sketches drawn in perspective in black ink; nothing written; titles given on back of the sketches.

1821-40/37-37B

**India - Index Sheet.**

Size of maps 37, 37A: 54.8 cm x 77.5 cm, between borders; each in single sheet. Size of maps 37B: 19.8 cm x 25.5 cm. Maps 37, 37A engraved and published copies; map 37B a 'proof copy' of the Index to the Indian Atlas sheets used by late Col. Phillimore in his volumes:

Map 37B contains a slip attached to it, written in late Col. Phillimore's hand, giving instructions for final printing.

Watermark on 37A: T & I H KENT".

1821-40/38

**Ghazni - Topographical.**

Size: 43 cm x 38.2 cm, actual area; in single sheet. No coordinates drawn or numbered; hand-drawn in black and grey; cultivated and fallow lands outside the fort beautifully shown; built-in area shown in rectangular blocks of grey; relief marked by vertical hechures; roads in double lines; no place-names written except the names of the three 'gates' of the forts; scale, written in pencil, outside the top border lines.

The map contains two insets flanking the title in the upper panel, on both the sides; one a Sectional view and the other elevational view of fort walls; outer walls of the fort and the bastions marked.

Watermark: "J WHATMAN 1837".

1821-40/39

**Ghazni - Topographical.**

Size: 46.1 cm x 62.5 cm, between borders; in single sheet. No coordinates drawn or numbered; hand-drawn in black; only routes coloured in red; cultivated fields shown in grey rectangles formed by parallel lines of grey tint; gardens, sites of ruins and positions of the armies outside the fort, also marked; relief shown by grey colour; contains scale-bar and the title in a 'box' in the top-left corner; names of persons who copied and examined the copy written at the bottom, outside the border.

A portion of the map in the top-right corner is missing.

1821-40/40

Sind - Topographical.

Size 41.5 cm x 107.3 cm, within borders; in 2 sheets, pasted together. No coordinates drawn or numbered; hand-drawn and coloured; huge trees distinctly painted in colour as also the palm trees with shadows falling on the east; built-in areas shown in rectangles of red; fort walls and bastions beautifully drawn, also in red; rocky portions artistically drawn; relief shown by grey tint and roads in double lines in burnt sienna.

Watermark: "JOHN KEY & CO" and below it heart-shaped design, topped with '4' and 'crescent', flanked by the year "1833" and below it "LONDON".

1821-40/41

Ghazni - Topographical.

Size: 65.3 cm x 83.8 cm, actual area; in single sheet. No coordinates drawn or numbered; hand-drawn and coloured; built-in areas, inside and outside the fort, shown by red blocks; mote around the fort coloured blue; rocky area very crudely drawn and coloured with grey; relief shown by horizontal hechures drawn by brush in black tones; no routes marked outside the fort but inside, roads in double lines.

The map also contains sectional views of the fort from various angles; drawn inside the top and bottom borders of the map but facing them.

1821-40/42

**Kandahar - Block Plan.**

Size: 37.1 cm x 28.2 cm, between borders; in single sheet. Hand-drawn in black, but rivers in blue; built-in area of the city marked in blocks of grey, indicating the roads in between; nothing written inside the city area except the names of various gates on the walls around the city, with sectional view of the walls at the north and bears the scale-bar at the bottom.

Watermark: "J WHATMAN 1837".

1821-40/43

**Chunar - Topographical.**

Size: 100 cm x 63.3 cm, between borders; on tracing cloth, and coloured; No coordinates drawn or numbered.

It is a tracing of map no. 1821-40/29. This tracing includes plans of one longitudinal section and two transverse sections of the fort drawn outside the lower border of the map. Both the sectional plans have separate scale-bars.

1821-40/44-44A

**Assam - Topographical.**

Size: 65.2 cm x 118 cm, actual area; each in single sheet. No coordinates drawn or numbered; hand-drawn and sparsely coloured; areas covered by villages along the river marked in rectangles with black outlines; cultivated fields marked; relief shown by very roughly drawn vertical hechures in black; contains a diagonal-scale; some remarks, in pencil, about the boundary line written; and signed by Thomas Fisher.

The map 44A, is an 'Uncorrected proof' copy in colour used by late Col. Phillimore in vol.

1821-40/45-45C

**Calcutta - Topographical.**

Sizes of Five sections which are parts of bigger map in many sections vary in size from 16.6 cm x 30.2 cm, and 54.2 cm x 80.2 cm. There are two sections printed on one sheet marked 45C. No coordinates marked or numbered; printed copies in black; shows roads, built-in areas and lakes; few place-names written; has a beautifully drawn cartouche in black ink - "View of the Government House and the houses adjoining" on the left bottom corner; and title beautifully drawn with lots of curves and artistically designed letters.

Watermark: "T & I H KENT".

1841-60/1-1E

Monghyr - Topographical.

Size of each section: 43 cm x 31 cm, actual area; each section in single sheet. No coordinates drawn or numbered; photozincographed copies in black, super-imposed with portions drawn by hand in red ink; not much topographical details given; boundaries of Parganas and their sub-divisions marked; section 16 contains title of the map and also super-imposed index to 17 sections of the map; each section bears illegible signature signed "For Deputy Surveyor General", in blue pencil, outside the margin in the right-bottom corner; also bears remarks and signature on the left-bottom corner outside the margin of the person, who added the portions in red on the original.

Sections 1 to 6 and 9 to 13 are missing.

1841-60/2-2A

Tippera - Hill Tippera - Boundary Survey (Topographical).

Size of map 2: 210.5 cm x 84.5 cm, map 2A: 561.3 cm x 40.5 cm, between borders; map 2 in 5 sheets, pasted together and map 2A in single sheet. Coordinates drawn in pencil on map 2 but not numbered; no coordinates on map 2A; hand-drawn; map 2A a reduced copy of map 2; coloured; map 2 shows a reference table explaining the various colours and symbols; map 2 bears the title in pencil; scale of map 2A in pencil; contain many additions and corrections, also in pencil; and half sickle-arrowheads indicate the north.

Map 2A is an unfinished compilation.

No watermark on map 2.

Watermark on map 2A: "J WHATMAN TURKEY MILLS".

1841-60/3

**Cuttack - Topographical.**

Size: 53 cm x 78 cm, between borders; in single sheet. Latitudes from  $20^{\circ}10'N$  to  $20^{\circ}25'N$  and longitudes  $85^{\circ}E$  to  $85^{\circ}25'E$  drawn and numbered; hand-drawn in black; marshy lands shown with horizontal lines; towns and villages marked with rectangles; relief shown by vertical hechures and roads in single lines; some numbers, written in pencil and also in red ink, outside the border on north-west corner, and no explanation of the numbers given.

Watermark: "J WHATMAN 1868".

1841-60/4

**Cuttack - Route Survey (Topographical).**

Size: 30.9 cm x 48.7 cm, between borders; in single sheet. No coordinates drawn or numbered; hand-drawn and sparsely coloured; towns along the route mostly marked by circles but oblong shaped indications for bigger towns, coloured burnt sienna; relief shown by grey tint, route in single line of burnt sienna bears an artistically drawn arrow indicating the north and dividing the map vertically into two halves, touching the borders; map bears, inside the borders, the signature - "... Duncan, C.E.", with dates, in pencil, & its receipt, probably in the Survey Department along with the date of the letter.

Watermark: "RUSE & TURNERS 1846".



1841-60/5

**Bengal - Topographical.**

Size: 55.8 cm x 83.5 cm, between borders; in single sheet. Fort William as  $0^{\circ}$  Meridian. Latitudes from  $22^{\circ}20'N$  to  $22^{\circ}55'N$  and longitudes from  $2^{\circ}35'E$  to  $3^{\circ}30'E$  of Fort William, marked and numbered; hand-drawn in black ink with additions and the corrections, in red; very few place-names mentioned; relief shown by grey tint and routes marked in single lines; and shallow sandy areas along the coasts shown in fine dots.

Watermark: "J WHATMAN 1836".

1841-60/6

**Bengal - Outline.**

Size: 55 cm x 74.6 cm, actual area; in single sheet. Latitudes from  $22^{\circ}40'N$  to  $22^{\circ}50'N$  and longitudes  $2^{\circ}45'E$  to  $3^{\circ}E$  of Fort William marked and numbered; Fort William as  $0^{\circ}$  Meridian; hand-drawn and sparsely coloured; lines of triangulations of various places with area and coordinates calculations of some places, in pencil, given.

Watermark: "J WHATMAN" and below it, heart-shaped design encompassing initials "EVIC", topped by '4' and 'crescent' and flanked by the year "1828" and below it, "BALSTON & CO".

1841-60/7-7N

**Hooghly River - Outline.**

Size of each section: 58 cm x 108 cm, between borders. Each section in single sheet. Coordinates drawn and numbered; area covered by latitudes from  $22^{\circ}\text{N}$  to  $22^{\circ}25'\text{N}$  and longitudes  $87^{\circ}55'\text{E}$  to  $88^{\circ}25'\text{E}$  shown; sections 7B and 7E blank; others contain only the outline of the river, with nothing written on the maps.

1841-60/8

**Calcutta - Topographical.**

Size: 58.0 c x 70.5 cm, actual area; in single sheet. No coordinates marked or numbered; hand-drawn and coloured; map circular in shape of radius of 25.4 cm; coconut and betelnut groves beautifully shown; lake coloured with horizontal brush strokes in blue; built-in area of the city coloured pink and others shown in dark green; major roads in double lines and minor roads in single lines in red; has a double circular margin coloured light yellow ochre; title and other information given outside margin.

Watermark: 'J WHATMAN 1850'.

1841-60/9

Gaya - Topographical.

Size: 56.6 cm x 91 cm, between borders; in single sheet. Latitudes from  $24^{\circ}30'N$  to  $25^{\circ}N$  and longitudes  $84^{\circ}E$  to  $86^{\circ}E$  marked and numbered; hand-drawn in black on grey lithographed copy; relief shown by vertical hechures; main roads in double lines and minor ones in single lines; has a rubber stamp indicating 'uncorrected proof'; also bears the name 'Stephens', perhaps the name of the Surveyor, in blue pencil, outside the margin on right top corner.

1841-60/10

Monghyr - Revenue Survey.

Size: 64 cm x 101.5 cm, actual area; in single sheet. No coordinates marked or numbered; uncoloured photo-zincographed copy, bears printed remark 'Treated as Original' above the title; uncultivated and jungle areas marked; relief shown by vertical hechures; roads in single lines; title, scale and season of survey, printed outside the margin; bears the signature (illegible), in red ink, of the person who examined it, near the left bottom border with date; and remarks - "Office No. 24", in black ink, on top left corner, outside the borders.

1841-60/11

**Bahawalpur - Rajputana - Boundary Survey (Topographical).**

Size: 53 cm x 73.6 cm, between borders; in single sheet. Coordinates marked but not numbered; hand-drawn and coloured; relief shown in caterpillar fashion with vertical hechures in burnt sienna; routes also in single lines of burnt sienna; magnetic north shown by an arrow-head; scale-bars of 'British miles', 'Koss for the country' and 'Koss of Akbar' shown in the right bottom corner; graticules and remarks - "Recd. 12th Oct. 1849 from Col. I. Low, Governor General's Agent for the States of Rajpootana" in pencil; and contains a 'reference' table explaining various colours used.

Watermark; 'J WHATMAN TURKEY MILLS 1845'.

1841-60/12-12A

**Sind - Jodhpur - Boundary Survey (Topographical).**

Size of map 12: 84.5 cm x 70 cm, map 12A: 55 cm x 44.3 cm, actual area; in single sheet. No coordinates marked or numbered; hand-drawn and sparsely coloured; relief shown by grey tint and routes in single dotted lines; graticules, drawn in pencil. in the north-east region; and bears signatures of the Boundary Commissioners in ink, with dates of receipt and reduction, in pencil.

1841-60/13-13A

**Sind - Marwar - Boundary Survey (Topographical).**

Size of map 13: 51 cm x 41.7 cm, map 13A: 51.3 cm x 58.2 cm, actual area; in single sheet. No coordinates marked or numbered; hand-drawn and sparsely coloured; map 13 shows relief in burnt sienna tint and in some places, with horizontal hechures of grey tint; roads in single lines of burnt sienna; no relief or routes shown on map 13A; various 'areas' on boundary shown in different colours; bears the signature of Lt. Becher, the Boundary Commissioner, with dates of receipt, in the Surveyor General's Office in pencil.

Map 13A is for 'deposit' in the Surveyor General's Office; also contains an order, in pencil, "Put a copy in hand for the Governor General's Agent, Rajpootana".

1841-60/14-14A

**Bahawalpur - Bikaner - Boundary Survey.**

Size of map 14: 56 cm x 89.2 cm, actual area; in single sheet; map 14A: 51.8 cm x 70.3 cm, between borders; also in single sheet. No coordinates marked or numbered except that of Anupshahr; hand-drawn and coloured; map 14 contains calculations of coordinates of some place-names, in pencil, but on map 14A, in ink; map 14 bears the signature of Lt. Col. R. Napier, Civil Engineer of Punjab in ink and also the date, in pencil, of its receipt in the Surveyor General's Office

from Major H.P. Burns, Deputy Secretary to the Board of Administration, Punjab, in the right bottom corner; scale-bar shown on map 1' 1.

Watermark on 14A: "T H SAUNDERS & CO 1848" and also 'Fleur-de-Lis' with 'initials' at its bottom.

1841-60/15-15B

**Marwar - Palhanpur - Boundary Survey (Topographical)**

Size of map 15: 50.5 cm x 244.5 cm; map 15A: 34.5 cm x 54.3 cm; map 15B: 55.5 cm x 37.8 cm; between borders. Map 15 in three sheets pasted together, and others in single sheet each. No coordinates drawn or numbered on map 15; on maps 15A and 15B only latitude  $25^{\circ}\text{N}$  and longitude  $72^{\circ}\text{E}$  marked and numbered; hand-drawn and coloured; topographical features shown only along the boundary line; relief shown by tint on maps 15 and 15A; map 15B an index sheet; on maps 15 and 15A, north indicated by half arrow-head which divides the map almost into half running from the bottom border to the top; grati- cules, in pencil, marked; map 15 bears 'note' explaining the various colours used; signatures of Capt. John C. Brooke, Boundary Commissioner, in ink, and remarks - "Received 10th Dec., 1853 from Secretary to Government, Foreign Department", in pencil, appear on map 15B.

watermark on map 15: "CANSELL 1851" with 'Fleur- le-Lis' and initials "CA" below it.

Map 15A: "T H SAUNDERS 1853" with 'Bend' and Initials' below it.

1841-60/16

## Tonk - Jaipur - Boundary Survey (Topographical).

Size: 74.8 cm x 120.2 cm, between borders; in six sheets, pasted together. No coordinates marked or numbered; hand-drawn but not coloured; not much topographical features marked; tanks roughly drawn; few place-names written near rectangles which are divided into number of smaller rectangles - a peculiar way of marking sites of the place-names; bears the signature, in ink, of the 'Ast. G.G. Agent', R. Jenkins, and remarks, in bottom right corner inside the border, in pencil, - "(6 Boundary Plans) received 28th August, 1854. 6 Fair copies of each, despatched 28th November 1854", and 'duplicate copy' written under the title.

Watermark: "T H SAUNDERS 1819" and also 'Fleur-de-Lis' and initials "S & CO" below it.

1841-60/17

## Tonk - Jaipur - Boundary Survey (Topographical).

Size: 40.6 cm x 32.4 cm, between borders; in single sheet. No coordinates given; hand-drawn but not coloured; place-names marked on rectangles which are subdivided into smaller rectangles, indicating the sites of place-names; bears the signature of R. Jenkins, Asstt. G.G.'s Agent; simple compass-rose indicates north.

Watermark: "T H SAUNDERS & CO 1848" with 'Lion' emblem.

1841-60/18

Tonk - Jaipur - Boundary Survey (Topographical).

Size: 39.6 cm x 30.9 cm, between borders; in single sheet. No coordinates shown or numbered; hand-drawn and sparsely coloured; not much topographical details given; relief shown by vertical hechures; sites of places shown as rectangles subdivided to form many rectangles; simple compass-rose indicates the north; bears the signature of R. Jenkins, Asst. G.G's Agent.

Watermark: "LUMSDEN & SON 1849" with 'BRITANNIA' emblem.

1841-60/19-19D

Hyderabad - Topographical.

Size of the map, in 5 sections, is 110 cm x 958 cm, actual area; on tracing cloth. Latitudes from  $19^{\circ}24'N$  to  $19^{\circ}48'N$  and longitudes from  $77^{\circ}E$  to  $79^{\circ}E$  marked and numbered; hand-drawn and beautifully coloured; forest and cultivated areas, coconut tree groves artistically drawn; high table lands and mountain ranges nicely shown in burnt sienna with grey tints; sites of places drawn in a peculiar fashion but artistically designed; routes drawn in single lines of burnt sienna; lines of triangulations all along the borders shown in black ink; some graticules, in red ink, also marked, and bears the signature of Lt. Col. H.L. Thuillier, Surveyor General of India.



1841-60/20

India, Western - Topographical.

Size: 80.0 cm x 54.0 cm, between borders; two sections of printed map pasted together. Latitudes from  $14^{\circ}\text{N}$  to  $28^{\circ}\text{N}$  and longitudes from  $72^{\circ}\text{E}$  to  $82^{\circ}\text{E}$  drawn and numbered; relief shown by vertical hechures and major roads in double lines but minor ones in single lines; railways also shown; some place-names, added in red ink; and title, scale-bar and other remarks written outside the borders.

1841-60/21-21B

India - Political.

Size of maps 21, 21A: 30.0 cm x 36.0 cm; map 21B: 28.4 cm x 20.4 cm, between borders. Each map in single sheet. Latitudes from  $5^{\circ}\text{N}$  to  $35^{\circ}\text{N}$  and longitudes from  $70^{\circ}\text{E}$  to  $110^{\circ}\text{E}$  on maps 21, 21A; on 21B, latitudes from  $5^{\circ}\text{N}$  to  $35^{\circ}\text{N}$  and longitudes from  $70^{\circ}\text{E}$  to  $95^{\circ}\text{E}$  drawn and numbered; main mountain ranges on maps 21 and 21A shown by vertical hechures and on 21B, with grey tint; maps 21, 21A contain inset maps wherein  $20^{\circ}\text{S}$  latitude and  $60^{\circ}\text{E}$  longitude marked and numbered; contain detailed 'tables' explaining the various territorial acquisitions of the British from 1757 onwards upto 1843; map 21B, 'proof copy', published in late Col. R.H. Phillimore's vol. III.

1841-60/22-23

Jammu - Sialkot - Boundary Survey (Topographical).

Size of map 22: 54.0 cm x 86.3 cm, between borders and of map 23: 205.0 cm x 350.0 cm, actual area. Latitudes  $32^{\circ}30'N$  and  $33^{\circ}0'N$  and longitudes from  $74^{\circ}E$  to  $75^{\circ}30'E$  drawn and numbered; hand-drawn and coloured; place-names along the boundary line marked; contain 'arc of triangulation' all along the boundary with trigonometrical survey stations marked; relief shown by grey tint.

Watermark on map 22: "J WHATMAN TURKEY MILLS 1850".

1841-60/24

Sikkim - Topographical.

Size: 97.5 cm x 65.0 cm, between borders; in single sheet. Latitudes  $27^{\circ}N$  and  $28^{\circ}N$  and longitudes from  $88^{\circ}E$  to  $89^{\circ}E$  marked and numbered; hand-drawn and coloured; monastries marked; passes and glaciers shown; relief indicated by grey tint and routes shown in single lines of red; graticules, in pencil, marked; contains inset-map of the region around  $28^{\circ}N$  latitude showing various glaciers, in blue, their paths and places of origin; lakes shaded with horizontal black lines; bears number of 'tables' and 'notes' explaining the bearings, elevations, geographical conditions and details regarding the boundary; many corrections and additions of place-names, in pencil, also given.

Watermark: "J WHATMAN TURKEY MILLS 1848".

1841-60/25

**Oudh - Nepal - Boundary Survey (Topographical).**

Size: 91.0 cm x 118.3 cm, between borders; in two sheets, pasted together. Portion of the map in the top left corner goes out of the border. Latitudes from  $27^{\circ}\text{N}$  to  $29^{\circ}\text{N}$  and longitudes from  $80^{\circ}\text{E}$  to  $83^{\circ}\text{E}$  marked and numbered; hand-drawn and sparsely coloured; topographical details along the boundary line given; details of the river-beds, forest areas and boundary pillars also marked; 'arc of triangulation' running all along south of the boundary shown in ink; extracts from professional report on the boundary survey quoted in detail in the 'note' given on the map.

1841-60/26

**Oudh - Nepal - Boundary Survey (Topographical).**

Size: 46.8 cm x 63.2 cm, between borders; in single sheet. No coordinates drawn or numbered; hand-drawn and coloured; not much topographical details given; boundary shown in single red line with positions of pillars, not numbered; half-arrowhead indicates the north and 'reference' table explains the colours used.

1841-60/27-27N

Oudh - Nepal - Boundary Survey (Topographical).

Size of each section: 51.7 cm x 35.5 cm, actual area; each section is in single sheet. No coordinates drawn; lithographed sections having lithographed signature of Lieut. F.C. Anderson, Revenue Surveyor and the Boundary Commissioner; sparsely coloured, the boundary pillars and their numbers marked; some topographical details along the boundary shown; place-names written in English as well as in Urdu; each section bears a beautifully drawn arrowhead indicating the north.

1841-60/28-28D

Hazara - Topographical.

Size: 139.8 cm x 177.8 cm, between borders; each section is in single sheet; title on a separate sheet 28, of size 56.0 cm x 66.8 cm, actual area. Latitudes from  $33^{\circ}40'N$  to  $35^{\circ}0'N$  and longitudes  $72^{\circ}40'E$  to  $74^{\circ}E$  marked and numbered; hand-drawn but not coloured; relief shown in vertical hechures; major roads marked in double lines while minor ones in single lines; altitudes of many places given; section 28D blank except the coordinates and the border lines.

1841-60/29

Batala - Dinanagar - Route Survey (Topographical).

Size: 74.7 cm x 27.0 cm, actual area; in single sheet. No coordinates drawn or numbered; hand-drawn and coloured; route in single line of burnt sienna, with minor topographical details given along it; relief shown in burnt sienna tint; graticules in pencil and half sickle-arrowhead indicates the north.

1841-60/30

Jabalpur - Mitta - Route Survey (Topographical).

Size: 67.0 cm x 101.0 cm, actual area; in single sheet. Coordinates drawn in ink but not numbered; hand-drawn and sparsely coloured; angle bearings of some places marked in pencil; minor topographical details, along the route, given; relief shown in grey tint; route in single line of burnt sienna; another route bears the remark, in pencil, "Undazee" [approximate] drawn in single broken line.

Watermark: "J WHATMAN TURKEY MILLS 1848".

1841-60/31

Batala - Revenue Survey.

Size: 99.0 cm x 112.0 cm, between borders; in four sheets, pasted together. No coordinates marked or numbered; hand-drawn but not coloured; very few topographical details given; tehsil boundaries marked; relief shown

by vertical hechures; major routes in double lines while minor ones in single lines; sheet numbers marked outside the border on the top.

Watermark: "J WHATMAN 1867".

1841-60/32

Peshawar - Topographical.

Size: 42.6 cm x 60.7 cm, between borders; in single sheet. No coordinates marked or numbered; hand-drawn and coloured; some rivers coloured blue and others shown in double lines of black; relief in grey with natural tints; routes in single lines of burnt sienna; and names of persons who copied and examined the map given outside bottom border on the right and left corners respectively.

Watermark: "J WHATMAN TURKEY MILLS".

1841-60/33-33E

Jhelum - Topographical.

Size: 116.0 cm x 188.3 cm, actual area; in six sections. Latitudes from 32°25'N to 33°05'N and longitudes from 71°45'E to 72°50'E marked and numbered; hand-drawn on tracing cloth; not much topographical details given except relief and rivers; relief shown as horizontal contours in grey tint and routes marked as single lines of burnt sienna; sections signed by D.G. Robinson, in ink; map 33C also bears the signature of Lt. Col. A.S. Waugh, Surveyor General of India.

1841-60/34

**Kashmir - Topographical.**

Size: 51.1 cm x 63.3 cm, between borders; in single sheet. Latitudes  $32^{\circ}30'N$  and  $33^{\circ}N$  and longitudes from  $77^{\circ}E$  to  $78^{\circ}E$  marked and numbered; hand-drawn and coloured; boundaries ribbon-coloured; heights of passes marked; boundary pillars also shown; bridges on the rivers, sites of temples and hot springs marked; relief shown in grey tint and peaks of mountain ranges shown by vertical hechures; routes in single lines and also in broken single lines of burnt sienna; graticules and lines of bearings, in pencil, marked; contains 'calculations' of coordinates of some places in pencil with signature [illegible]; bears two remarks - "Origl. of this Recd. - 14th Oct. /48 from Foreign Dept. and returned thereto 4th Nov. /48", in pencil and "(Original Recd. 27th Decr. 1847 in Foreign Dept.)", in ink and bears the signatures, also in ink, of Capt. H.L. Thuillier, Deputy Surveyor General.

Watermark: "J WHATMAN 1847".

1841-60/35-35F

**Kumaon - Garhwal - Boundary Survey (Topographical).**

Size of map 35: 78.0 cm x 134.5 cm, actual area; in single sheet; maps 35A-35F are of different sizes from 38.0 cm x 43.3 cm, actual area to 53.3 cm x 86.0 cm, actual area and are on tracing cloth. No coordinates marked or numbered on map 35; 35A-35F cover latitudes  $29^{\circ}00'N$  to  $30^{\circ}00'N$  and longitudes  $70^{\circ}E$  to  $80^{\circ}E$ ; hand-drawn but not coloured; no topographical details given except relief, rivers and roads crossing

the boundary line or adjacent to it; relief shown by horizontal hecmures; major roads in double lines of red and some routes in single lines of burnt sienna; rivers also in burnt sienna on map 35; routes, on others, in double lines of burnt sienna; sites of places also in burnt sienna.

No title and scale marked on map 35.

1841-60/36

Tippera - Topographical.

Size: 64 cm x 49.5 cm, actual area; in single sheet. Latitude  $24^{\circ}30'N$  and longitude  $91^{\circ}57'E$  marked and numbered; hand-drawn and coloured mostly in sepia; forest areas indicated by remarks rather than by symbols; relief shown by sepia tint; sites of the 'massacre' indicated; routes marked in single lines in black and coloured with burnt sienna on one side; sites of towns and villages marked with uneven dots of red; contains a 'reference' table explaining the lines, alphabets and other symbols used; and bears the signature of Lt. Maxwell.

On the reverse of the map, the reference number under which it was received in the Survey Deptt. indicated.



1841-60/ 37

## Sylhet - Topographical.

Size: 98.3 cm x 91.5 cm, between borders; in 2 sheets, pasted together. No coordinates shown or numbered; hand-drawn and coloured; jungle area beautifully coloured with blue-tint and trees in dark green of various sizes all over it with their shadows on the east; bamboo groves also shown with artistically drawn symbols; village sites in oblong shapes coloured burnt sienna tint with built-in area, coloured red; trees and tomb-stones also shown; lakes shown in rectangular forms, coloured blue; relief shown with grey tint and routes in single lines of burnt sienna; base-line in black and lines of triangulation in red; bears a 'reference' table explaining the various symbols and also a 'note' explaining the dates of erection of pillars; true and magnetic meridians indicated by arrowheads showing variation of  $2^{\circ}10'E$ .

A portion of the map in south-west corner is missing.

Watermark: "J WHATMAN TURKEY MILLS 18..."

1841-60/ 38-38F and 39-39C

## Hoshiarpur - Topographical.

Size of each section: 50.8 cm x 91.0 cm, inside borders; in single sheet. Maps 39-39C lithographed 'proof' copies of maps 38C, 38D (two copies) and 38E respectively; map 38 heliozincographed copy of map 38F; each in single sheet; maps 38A to 38F hand-drawn; but not coloured; no coordinates drawn or numbered;

tehsil boundaries shown; not much topographical details given; relief shown at some places in a peculiar contour-like fashion; or vertical hechures; railway lines added on litho-copies.

Instructions for litho-office, in pencil, are given on all the manuscript maps outside the borders. Litho-copy of map 38E contains an inset index map showing the arrangement of various sections.

Watermark: Maps 38-38F - "J WHATMAN 1866".

1841-60/40

Bhopal - Topographical.

Size: 69.0 cm x 114.0 cm, between borders; in single sheet. No coordinates drawn or numbered; hand-drawn and coloured; graticules in pencil; orchards beautifully shown with hedges all around; cultivated and uncultivated areas also marked with green broken lines and coloured; jungles marked with light green tint and hastily drawn trees, their shadows falling on the east; built-in area of the town and fort marked with various quadrangular blocks, coloured light red, showing roads in light burnt sienna in between; lakes coloured deep blue; relief shown by grey tint; borders coloured grey; and signed "Captain.... Acting Asstt. Qr. Mr. Genl. on Spel. Survey duty."

The map is incomplete.

1841-60/41-41'O'

**Lucknow - Topographical.**

Size: 155.7 cm x 231.5 cm, between borders; in 16 sections. The map consists of six sheets pasted together. Coordinates drawn but not numbered; hand-drawn and beautifully finished with colours; cultivated areas shown with broken lines forming rectangles and coloured light sepia; gardens with light green tint and orchards showing neatly drawn trees all over in green with shadow on the east; lakes and rivers coloured light blue with deep blue lines on one side; built-in areas with 'Cutcha Houses' and 'Pukka Houses' clearly marked with burnt sienna and light red colours respectively; roads in double lines and embankments along the river and canal drawn in grey tint and sandy beds and relief beautifully drawn and sprayed with burnt sienna colour; contains 'references' to symbols used and a table of 'Trigonometrical Distances'.

Corrections have been carried out on the map at many places with blue pencil. It is a beautifully drawn map.

1841-60/42

**Lucknow - Topographical.**

Size: 75.8 cm x 69.5 cm, between borders; in single sheet. No coordinates marked or numbered; hand-drawn in black but not coloured; no symbols used, instead remarks like - 'Cultivation and trees', 'Ravine Ground', 'Ground covered with high rushes and grass jungle'

appear all over; relief shown by horizontal hechures; one bank of river and canal shown with thicker line; half sickle-arrowhead drawn vertically from the bottom border almost to the top border divides the map nearly into half.

It is a very neatly drawn map.

1841-60/43

Lucknow - Topographical.

Size: 63.5 cm x 69.0 cm, between borders; in single sheet. No coordinates marked or numbered; photozincographed copy, not coloured; gardens with inner pathways and trees neatly drawn; canal embankments and relief shown by vertical hechures; roads shown in double lines; grass land, limits of cultivation and lakes shown with conventional signs; half sickle-arrowhead indicates the north; many 'reference' tables explain various lines and symbols used and also its sources of compilation.

Sectional views of the canal and other works used for defences in 1857 uprising are shown. Details regarding the publisher and the registration numbers are written outside the bottom borders at left and right corners.

1841-60/42A-43M

Lucknow - Block outlines

Size of each section: 68.8 cm x 92.0 cm, actual area. These are Block-print originals for colour registrations. Nothing is written on the maps.

1841-60/44-44A

## Lucknow - Topographical.

Size of map 44: 78.8 cm x 116.7 cm, between borders in single sheet. Map 44A: 74.3 cm x 106.7 cm, between borders; in two sheets pasted together. No coordinates marked or numbered; map 44, hand-drawn and coloured; map 44A hand coloured lithographed copy; on map 44, cultivated areas neatly drawn in rectangles with dotted lines and coloured with sepia tint; on map 44A, drawn in a bee-hive pattern and not coloured; jheel, garden, topes, high grass fields marked with conventional signs; embankments on the canal banks shown with burnt sienna on map 44, but on map 44A, depicted with vertical hachures in black; relief shown with grey tint on map 44, but on map 44A drawn in fine vertical hachures; roads in double lines of burnt sienna; built-in "pukka" areas coloured red while "Katcha" houses shown in burnt sienna; both contain tables showing 'Trigonometrical Distances', and also explain various symbols used.

1841-60/45

## Jhansi - Topographical.

Size: 96.5 cm x 64.8 cm, between borders; on tracing cloth. Coordinates marked but not numbered; hand-drawn and coloured; 'Pukka' and 'Kutchha' houses shown in red and burnt-sienna respectively; 'Ruined gardens' also indicated along with 'deserted houses'; city and fort walls coloured red and show various gates all round; relief marked with grey tint and roads left uncoloured between the built-in areas shown in blocks;

cultivated areas coloured with blue tint; 'Open space' and the fort indicates the place where houses were earlier demolished, also marked; and bears an 'Area statement' and also the signature of Col. H. L. Thuillier, Surveyor General of India, certifying the map to be a 'true copy'.

141-60/46

acknow - Topographical.

Size: 66.0 cm x 70.7 cm, actual area; on tracing cloth. No coordinates marked or numbered; hand-drawn and coloured; few important buildings shown in blocks of red; gardens coloured burnt sienna; relief shown with roughly drawn horizontal hachures; some roads in single-lines and others in double-lines, coloured burnt sienna; military roads coloured brown and vil roads coloured yellow; sites for wooden, iron and one bridges on the river and canal marked; also contains a 'reference' table explaining the numbers used; compass arrow shows the north, and bears the signature of Brigadier R. Napier, Chief Engineer.

141-60/47

acknow - Topographical.

Size: 116.5 cm x 100.6 cm, actual area; in two sheets, pasted together. No coordinates marked or numbered; hand-drawn and sparsely coloured; important buildings shown in plan and coloured light red; gardens shown in burnt sienna tint with dots of darker shades;

roads also coloured with burnt sienna; relief marked with horizontal hechures in black; sites of bridges of stone, iron and boats marked; not much topographical details given.

It is an incomplete map with no title.

1841-60/48-48A

Lucknow - Topographical.

Size of map 48: 43.2 cm x 50 cm, in single sheet; map 48A: 36.8 cm x 48.0 cm, on tracing cloth. Both drawn by hand and coloured; important built-in areas shown in blocks of red and roads in burnt sienna; entire city area coloured light sepia tint; portion of the town with few roads and outlines of some buildings north of the river, not coloured; line of defence of the British garrison in 1857 marked; 'reference' table explaining the symbols used; half arrowhead indicates the north; on map 48A, the lettering is done in reverse giving the impression that the map is up-side-down; map 48 has the signature of .... Bonnaud in the left bottom corner outside the border.

1841-60/49

Oudh - Topographical.

Size: 91.6 cm x 72.7 cm, between borders; in single sheet. Latitudes from 25°N to 29°N and longitudes from 80°E to 83°E marked and numbered; lithographed copy and coloured sparsely by hand; not much topographical details given; relief shown by vertical hechures; major routes in double lines and minor roads in single lines; degrees of latitudes subdivided into 10' interval and longitudes subdivided into 15' interval;

rectangles formed by 20' latitudes by 30' longitudes coloured with red tint in chess-board fashion, and numbered, in blue from 1 to 54, starting from top left to right below; and with red ink, in reverse order, from right below to top-left and numbered from 1 to 53; number 41, in blue, has been omitted; no explanation to these numbers given on the map; boundary ribbon-coloured; reference to some of the districts given outside the right-hand border, in black ink.

1841-60/50

**Amraoti - Topographical.**

Size: 51.2 cm x 64 cm, between borders; on tracing cloth. Latitudes  $20^{\circ}50'N$  and  $21^{\circ}0'N$  and longitudes  $77^{\circ}50'E$  and  $78^{\circ}0'E$  numbered but not marked; hand-drawn but not coloured; tehsil boundaries marked; rivers and their various tributaries shown in detail; relief shown by roughly drawn contours and roads in single lines; title, scale-bar and some remarks written outside the borders; and bears the signature of Captain R. E. Riddell, Assistant Surveyor General, In-charge, Surveyor General's Office.

1841-60/51

**Yeotmal - Topographical.**

Size: 75.5 cm x 66.2 cm, between borders; on tracing cloth. Latitudes from  $19^{\circ}50'N$  to  $20^{\circ}10'N$  and longitudes from  $78^{\circ}20'E$  to  $78^{\circ}35'E$  marked and numbered; hand-drawn but not coloured; relief shown by horizontal hechures; routes in single lines; sites of deserted villages also marked; and bears a signature [illegible] dated 27-3-1877 in the left bottom corner, outside the border.



1841-60/52

Monghyr - Topographical.

Size: 41.3 cm x 77.5 cm, between borders drawn on the top and left sides only, on tracing cloth and pasted on a sheet of paper inside the margins; not coloured; sheet number, title and scale written outside the borders; outside the margin at the bottom, a remark - "Continuation Sheet No.2" written and on the right, outside the border - "Continuation Sheet No.5", written, indicating it to be in several sections; not much topographical details given; but sandy beds and island in the river clearly shown.

This is a fairly drawn map ready for printing.

1841-60/53-54

Monghyr - Topographical.

Size of each map: 43.2 cm x 79.0 cm, between borders; in single sheets. No coordinates marked or numbered; litho-copies, hand-coloured and with superimposed portions; forests shown with beautifully drawn trees with shadows on the east; relief shown with vertical hechures and roads in single lines; with titles and references outside the borders.

These are fair copies ready for printing.

1841-60/55

**Calcutta - Topographical.**

Size: 50.6 cm x 44.0 cm, between borders; in single sheet. No coordinates marked or numbered; borders are double lined and coloured yellow; hand-drawn and coloured; cultivated areas beautifully shown by green parallel lines forming rectangles of various shapes and sizes; uncultivated areas coloured with light green tint; built-in areas inside the city coloured with light red tint; with roads in single lines of red; prominent buildings outside the city limits shown in blocks of deep red; lakes artistically shaded with brush strokes of deep blue over blue tint; railway line shown in unconventional symbol and coloured red; gardens shown with minutely drawn trees; sites of suspension bridges over the canal marked and positions of various ghats on the Hooghly indicated.

1841-60/56

**Calcutta - Topographical.**

Size: 22.5 cm x 40.2 cm, between borders; in single sheet. No coordinates marked or numbered; uncoloured lithographed copy; not much topographical details shown; open areas marked with very small trees; built-in areas shown in blocks with roads in between in double lines; bastions on the outerwalls of the fort marked; fields, outside the fort area, shown with dots; lakes and the river shaded with horizontal lines; scale bar shown; 'reference tables', one inside the border, in a box, in top right corner and the other outside the border, in the left bottom corner, explain the symbols and numbers used.

1841-60/57

## Calcutta - Railway Plan.

Size: 287.8 cm x 47.7 cm, actual area; drawn on tracing cloth. No coordinates marked; hand-drawn and coloured; built-in areas marked in blocks; village boundaries, tanks, coconut groves, marshy lands all beautifully drawn; relief shown by vertical hachures; railway line coloured red; routes drawn in single lines of black; also contains, as an enclosure, a manuscript letter addressed to H. L. Thuillier, Surveyor General, dated April 18, 1859.

1841-60/58-58A

## Serampur - Topographical.

Size: 77 cm x 144.3 cm, between borders; each in three sheets, pasted together. No coordinates marked or numbered; hand drawn and very decoratively coloured; coconut, palmyrah, betelnuts and bamboo groves artistically drawn; mango orchards, plantain and sugarcane gardens also depicted; huts and paddy fields shown along with other cultivated areas; built-in area of the town shown in blocks of red with roads in double lines; sites of the ghats, factories, temples along the river bank marked; important landmarks on the opposite bank of the river also shown; simple compass arrow-heads, touching top and bottom borders with 'Fleur-de-Lis' and with an artistically drawn floral design on the arrow-head on maps 58 and 58A respectively, indicate the north; contain 'Reference' tables explaining the symbols used.

These are very good examples of the art of map decoration being practised in early 19th century.

1841-60/59-59A

**Murshidabad - Topographical.**

Size: 95.5 cm x 62.8 cm, between borders; map 59 in single sheet; map 59A a tracing on tracing-cloth. Coordinates marked but not numbered on map 59 but no coordinates shown or numbered on map 59A; hand-drawn and only map 59 coloured; built-in areas on map 59 shown in blocks of red and huts in burnt sienna; betelnut, palmyras and bamboo groves beautifully drawn in green on map 59 and in black ink on map 59A; sites of temples, and mosques also marked; various ghats and ferry crossing sites shown; major roads in double lines and coloured red and minor ones, also in double lines, but coloured burnt sienna; half arrow-heads decorated with wings showing true and magnetic meridians with variations of  $2^{\circ}22'55''$  marked; the line of true meridian running from near the bottom border cuts the mapped portion almost into vertically half and goes up near the top border; 'Reference' tables explain various symbols used; map 59 bears the signature of Captain James E Gastrel, Offg. Revenue Surveyor.

Portions of map 59, at right and left bottom corners, missing.

Watermark: Map 59 "J WHATMAN TURKEY MILLS 1850".

1841-60/60

**Darjeeling - Topographical.**

Size: 98.0 cm x 66.17 cm, actual area; in two sheets, pasted together; has borders on three sides but not on the top; lithographed copy; buildings and roads, in single lines, hand-coloured in red and the ridges in burnt sienna tint; relief shown by vertical hachures; contains a reference table showing areas and altitudes of some places in feet.

1841-60/61-61'0'

**Calcutta - Topographical.**

Size: 115.4 cm x 230.6 cm, between borders, in 4 sections, with 4 copies each; each section in single sheet; uncoloured engraved published copies; no co-ordinates drawn or numbered; 'Puckah' and 'Cutcha' public and private buildings shown in different shades; tanks, grass lands and gardens also depicted; no vegetation shown in any place except Eden Garden; extremely scattered trees marked on the road side leading to 'The Course', and on the lawns adjacent to the 'Race Course'; roads in double lines; contain title in decorated lettering with artistically drawn full compass-rose indicating the north.

1841-60/62

## Cuttack - Topographical.

Size: 73.5 cm x 64.5 cm, between borders; in single sheet. Latitudes from  $19^{\circ}50'N$  to  $20^{\circ}10'N$  and longitudes from  $85^{\circ}10'E$  to  $85^{\circ}30'E$  marked and numbered; hand-drawn but not coloured; not much topographical details given; relief shown by vertical hechures and routes marked in single lines; Great Trigonometrical stations marked and the heights of some mountain peaks given in feet; 'Sheet numbers 32, 33' stamped on the top, outside the border, in red ink; and remarks, in pencil, - "Bengal 136 and 137", written on the top left corner outside the border.

Watermark: " J WHATMAN 1867".

1841-60/63

## Angul - Topographical.

Size: 132.5 cm x 104 cm, between borders; on tracing cloth. No coordinates marked or numbered; hand-drawn but not coloured; forest areas shown with symbols which look more like rocks than trees; cultivated areas marked by rectangles drawn in broken lines; terrace cultivation areas with contour-like steps marked; relief shown by peculiar vertical hechures which give a more thorny look than mountains; arrow drawn touching the lower border and running althrough the mapped portion and reaching the top bisecting the map vertically, and having artistically drwan half-sickle-arrowhead indicating True Meridian and signed by Col. H. L. Thuyllier, Surveyor General of India, certifying the map to be a 'True Copy'.

1841-60/64-64A

**Sikkim - Topographical.**

Size: 66.0 cm x 51.4 cm, between borders; each map in single sheet. Latitudes from  $27^{\circ}\text{N}$  to  $28^{\circ}\text{N}$  and longitudes from  $88^{\circ}\text{E}$  to  $89^{\circ}\text{E}$  marked and numbered; both lithographed copies and hand coloured; contain ribbon-coloured boundaries, and rivers coloured blue; on map 64, relief shown in horizontal hechures but on map 64A, horizontal hechures superimposed with grey tint almost obscuring the place-names; roads in single lines of red; altitudes of some places given in feet; contain 'Notes' explaining the sources of the original map compilation with compiler's name outside the bottom border; and bear lithographed signature of Major H.L. Thuillier, Deputy Surveyor General of India.

1841-60/65

**Kashmir - Topographical.**

Size: 128.0 cm x 161.0 cm, actual area; on tracing cloth. Latitudes from  $33^{\circ}30'\text{N}$  to  $35^{\circ}30'\text{N}$  and longitudes from  $74^{\circ}0'\text{E}$  to  $77^{\circ}30'\text{E}$  marked and numbered; hand-drawn and only routes and rivers coloured in single line of red and blue respectively; very few place-names given; remarks "Practicable for laden bullocks and unladen ponies" written near the passes, and bears signature of Major J.T. Walker, Officiating Superintendent G.T. Survey.

1841-60/66

Faridkot - Index sheet.

Size: 86.0 cm x 129.6 cm, actual area; in two sheets, pasted together. Latitudes from  $20^{\circ}30'N$  to  $30^{\circ}30'N$  and longitudes from  $74^{\circ}30'E$  to  $77^{\circ}E$  marked and numbered; hand-drawn and coloured; areas covered by various Main Circuits of the Revenue Surveys marked and shown with different colours; number of remarks, in red ink, regarding their scales and the places when the Main Circuits noted were mapped, given; a 'Reference' table explains the numbers used; and a 'Note' clarifies the survey stations from where the bearings taken; bears the date of receipt and the signature of the surveyor along with the signature of Major Chas. Strahan, Assistant Surveyor General.

1841-60/67

Kashmir - Topographical.

Size: 58.2 cm x 57.9 cm, between borders; in single sheet. Latitudes from  $33^{\circ}20'N$  to  $35^{\circ}N$  and longitudes from  $73^{\circ}30'E$  to  $75^{\circ}40'E$  numbered; hand-drawn in black ink over blue-print; district and tehsil boundaries marked; relief shown with vertical hachures; has graduated inner borders; scale of blue-print written outside the border in south-east corner in red ink; instructions for the printers or the reduction of the map written in southern portion, outside the border.

Watermark: "J WHATMAN 1908 ENGLAND".



1841-60/68-68G

**Kashmir - Topographical.**

Size: 138.6 cm x 177.0 cm, between borders; in 4 sheets. Latitudes from  $32^{\circ}\text{N}$  to  $35^{\circ}\text{N}$  and longitudes from  $73^{\circ}30'\text{E}$  to  $76^{\circ}30'\text{E}$  numbered; printed copies in black only; relief shown by vertical hechures and river embankments shown with horizontal hechures; routes mostly in single lines but major roads in double lines with one continuous and the other, parallel to it, broken line; bears a 'Reference' table to boundaries and a 'Note' indicates the sources of compilation; an inset-map, in the south-west corner, - 'Srinagar or City of Kashmir and Environs', gives topographical details in much clear forms; built-in area shown in blocks; gardens shown and roads, in double lines, lined on both sides, with trees; also has Magnetic and True Meridians, giving variation of  $3^{\circ}$  East.

1841-60/69

**Kashmir - Topographical.**

Size: 86.9 cm x 87.0 cm, between borders; in single sheet. Latitudes from  $33^{\circ}20'\text{N}$  to  $35^{\circ}\text{N}$  and longitudes from  $73^{\circ}30'\text{E}$  to  $75^{\circ}40'\text{E}$  numbered; printed copy in black; relief shown by vertical hechures; major routes in double lines and minor ones in single lines; lake shown as a blank space without outline with very few horizontal lines indicating water; white sheets of paper cover region of Jammu and adjacent districts on the printed copy, and only Kashmir area left out; the title accordingly re-written.

841-60/70-70E

ammu - Topographical.

Size of each section: 94.5 cm x 77.0 cm, between orders; in six sections. Latitudes from 32°20'N to 3°20'N and longitudes from 73°30'E to 76°30'E marked and numbered; photozincographed copies, in black; relief shown by vertical hachures and lower features represented by horizontal hachures; sandy areas in the rivers shown by dots; marshy lands marked by conventional signs; major roads in double lines and minor ones in single lines.

841-60/71-71A

ashmir - Topographical.

Map 71 is a copy of map 1841-60/68 of this series.

Size of map 71A: 61.7 cm x 61.5 cm, actual area. The map has borders on east and south side only; printed section No.4 of a bigger map; topographical details similar as on maps 1841-60/68-68G, except rivers and lakes and coloured in blue and sandy beds coloured in yellow where with major routes coloured red.

841-60/72-72A

ashmir -

Not transferred to the National Archives of India.

1841-60/73

## Gamurgarh - Topographical.

Size: 64.5 cm x 10.4 cm, between borders fairly drawn in ink and coloured in grey on three sides except on the west where only a single line, in pencil indicates the border; in single sheet. No coordinates marked or numbered; hand-drawn and coloured; forest area shown by green tint with symbols which look more like stones than trees, in green, with shadows on the east; outer walls and the built-in areas inside the fort coloured light red; relief shown by grey tint, and route leading upto the gate of the fort, in single line of burnt sienna; has a beautifully drawn half sickle arrowhead indicating north; and bears signature of Captain [illegible], Dy. Asstt. Qr. Mr. Genl. on Special Survey duty.

1841-60/74

## Dhar - Topographical.

Size: 61.5 cm x 112.3 cm, between borders; in single sheet. No coordinates marked or numbered; hand-drawn and coloured; lake shown in deep blue; built-in area of the town shown in blocks, walls and parapets of the fort, all coloured light red; relief shown by grey tint and roads in double broken lines and coloured yellow ochre; lines of the direction of the battery attack on the fort shown in broken lines in black; with 'Reference' table explaining the details; also contains profile views of eastern and south-western fronts of the outer walls of the fort, with scale of the profiles given; and bears signature of Captain [illegible] Actg. Asst. Qr. Mr. General on Special survey duty, certifying the map to be 'True Copy'.

1841-60/75

**Chaukigarh - Topographical.**

Size: 102.5 cm x 67.0 cm, between borders fairly drawn and coloured with grey on three sides but on south side, a line of pencil indicates the border. No coordinates marked or numbered; hand-drawn and coloured; jungle area shown by green tint and peculiar symbols used for vegetation; outer walls of the fort coloured light red; palace, inside the fort, coloured burnt sienna; built-in area of the town shown in blocks of red; fields marked with light green and burnt sienna colours bounded by black dotted lines; routes in single dotted lines of red; half sickle-arrowhead, in north-west corner, indicates the north; has a scale-bar and signed by Captain [illegible] Dy. Asst. Qr. Mr. Genl. on special survey duty,

1841-60/76

**Maheshwar - Topographical.**

Size: 54.8 cm x 67.0 cm, between borders; in single sheet. No coordinates marked or numbered; hand-drawn and coloured; town and fort area coloured light red; fields coloured yellow ochre; and roads in double lines of light burnt sienna; river coloured deep blue; cultivated fields marked in blocks drawn with dotted lines and coloured light green and yellow ochre; relief marked by grey tint;

gardens shown in light green with trees in them and surrounded by hedges shown in a peculiar way, also in green; and signed by Captain [illegible] 'Dy. Asst. Qr. Mr. Genl. on special survey duty'.

The map has inset sectional drawings of the walls and parapets of the fort from various places on different scales.

1841-60/77

Gwalior - Topographical.

Size: 59.5 cm x 50.3 cm, actual area; in two sheets, pasted together. No coordinates marked; hand-drawn in red ink; built-in areas outside the fort shown in light red; inside the fort, buildings coloured light red and burnt sienna; and some in red outlines only without any colour; routes in single lines of black; river coloured burnt sienna with one bank coloured in mauve tint; relief shown by mauve and burnt sienna tints; various positions of guns and their firing ranges marked; and an arrow indicates the north.

Watermark: "MORBEY & SAUNDERS 1844" with 'Fleur-de-Lis' and initials "M & S" below it.

1841-60/78-78A

Kashmir - Route map.

Size of map 78: 33 cm x 50.5 cm, between borders; in single sheet. Latitudes from 32°N to 37°N and longitudes from 73°E to 79°E marked and numbered; map 78 hand-drawn but not coloured; routes in single lines of red; no topographical details shown by symbols but 'reference

tables' marked in 'boxes' on left and right sides of the map, inside the borders, explain the topography along the routes and the distances between halting places; remarks, in pencil, - "Received from Surveyor General 29th March 1860 vide No. 23153 dated 20th March 1860", and signed by Captain T.G. Montgomerie, 1st Assistant G.T. Survey of India and Lt. Colonel A. Scott Waugh, Surveyor General of India.

Map 78A a printed proof copy of map 78, used in late Col. Phillimore's volumes.

Watermark on map 78: [A part of it is visible]  
"J WHATMAN TURKEY MILLS ..."

1841-60/79

Poona - Topographical.

Size: 138.5 cm x 94 cm, actual area; on tracing cloth. No coordinates marked; hand-drawn and coloured; government buildings coloured red; Government fields' shown by shades of slanting black parallel lines; gardens coloured green and orchards indicated by trees; roads in double lines and coloured burnt sienna; contains a 'statistical table' based on the census of 1851; tables explain various lines and symbols used, and the 'Peths'; and bears signature [illegible] of Deputy Quarter Master General, certifying the map to be 'True copy'.

1841-60/80-80C

**Kashmir - Topographical.**

Size: 122.1 cm x 126.8 cm, between borders; in four sections, each in single sheet. Latitudes from  $33^{\circ}20'N$  to  $34^{\circ}40'N$  and longitudes from  $74^{\circ}0'E$  to  $75^{\circ}40'E$  marked and numbered; printed in black with major rivers coloured blue and some routes in red; relief shown by vertical hechures; lower ranges and river embankments shown in horizontal hechures; contains an inset map covering latitudes  $33^{\circ}N$  to  $35^{\circ}N$  and longitudes  $73^{\circ}E$  to  $78^{\circ}E$  marked and numbered with only places along the routes marked.

1841-60/81

**India - East - Outline.**

Size: 64.8 cm x 93.0 cm, between borders; in single sheet. Latitudes from  $11^{\circ}N$  to  $27^{\circ}N$  and longitudes from  $77^{\circ}E$  to  $101^{\circ}E$  marked and numbered; hand-drawn but sea and rivers coloured blue; shows only the rivers in the coal region; southern portion of Little Andaman projects beyond the borders with bearings of Teressa island in pencil; and bears signature of Captain Robert Wroughton, Deputy Surveyor General, Incharge Surveyor General's Office.

Watermark: "J WHATMAN 1840".

1841-60/82

## Delhi - Architectural Plan.

Size: 67.8 cm x 333.0 cm, actual area; in three sheets, pasted together. No coordinates marked or numbered; hand-drawn and coloured; shows the thickness of southern wall parapets and details of the bastions coloured red and embrasures coloured grey; architectural details of the walls explained in 'Remarks' written in a 'box' near the left border; also contains 'Note' showing details of the ramparts with many elevational and sectional drawings all over the plan explaining various details; and a beautifully drawn half sickle-arrowhead, indicates north.

1841-60/83

## Delhi - Topographical.

Size: 62.0 cm x 43.5 cm, between borders; in single sheet. Latitudes 29°N to 31°N and longitudes from 76°E to 78°E numbered; hand-drawn in black on grey graph of graticules; major routes in double lines and minor ones in single lines; relief shown by vertical hachures; 'Jhill' marked with appropriate symbol.

The map is a fair drawing ready for printing with instructions for printing and the names of the persons who executed and examined the map written outside the southern border in blue ink, also with copy of the title of the map, in pencil.

Watermark: "T H SAUNDERS 1890" with 'Fleur-de-Lis' and below it, the initials "THS".



1841-60/84-84A

Delhi - Topographical.

Size of map 84: 46.0 cm x 38.3 cm, map 84A: 30.2 cm x 25.2 cm, between borders; each in single sheet. Map 84 hand-drawn in black on light blue-print and map 84A a coloured printed copy; built-in area, inside the walled city, roughly drawn in black ink but on map 84A, coloured with light burnt sienna; major roads in double lines on both the maps, coloured deep burnt sienna; sandy banks neatly drawn; positions of various bastions on the walls of the old city marked; sites of old localities, outside the walls, also shown; ruins of ancient buildings marked; positions of encampments of British forces also indicated.

Instructions for the printers are given outside the bottom border.

Watermark: on map 84 is not clear and reads - "... 1916 ENGLAND".

1841-60/85-85A

Delhi - Topographical.

Size: 56.1 cm x 48.9 cm, between borders; each in single sheet. Latitudes from 28°33'N to 28°42'N and longitudes from 77°14'E to 77°18'E numbered; printed, coloured copies; built-in areas in masonry shown in red and 'Kutchha' buildings marked in burnt sienna; gardens in green with major paths inside left uncoloured but lined with trees; mosques and temples marked; metalled and

unmetalled roads, as also the ancient roads indicated with different symbols but coloured with burnt sienna; relief shown by vertical nechures and broken ground marked separately with appropriate symbols; contains table explaining symbols and abbreviations used; also gives details of 'siege batteries', 'columns of assault', 'armament of batteries', 'siege Battery memorials' and other inscriptions, 'Kashmir Gate Memorial' and its sketch along with that of the Delhi Mutiny Monument.

1841-60/86

India - Outline.

Size: 100 cm x 70 cm, actual area; on tracing cloth. No coordinates marked or numbered; hand-drawn and sparsely coloured; divisional boundaries ribbon-coloured; and letter-press printed place-names pasted all over.

It is a fair drawing for printing.

1841-60/87

Delhi - Topographical.

Size: 136.0 cm x 157.5 cm, actual area; in six sheets, pasted together. No coordinates marked or numbered; hand-drawn and coloured; has borders on three sides except the south; orchards and gardens, with and without hedges; 'Pucka' and 'Kucha' houses, ancient ruins all shown with appropriate symbols; roads in double lines

of red; ramparts, parapets, and ditch around the fort all shown in good detail; ravines and relief shown in grey; various canals also in much detail; level of the ground, above or below the mean level of 'Nigumbode Aqueduct' marked all over; positions of the British troop encampments also indicated; a beautifully drawn sickle-arrow-head, with shaft dividing the mapped portion vertically into two indicates the north; and contains table explaining the various symbols used.

1841-60/88-88A.

India, North-west - Topographical.

Size of each map: 126.3 cm x 95.0 cm, between borders; in four sheets, pasted together. Latitudes from 23°N to 37°N and longitudes from 62°E to 74°E marked and numbered; published copies but hand coloured; boundaries ribbon-coloured; relief shown by vertical hachures in black; major routes in double lines with one line in dots parallel to the continuous line; some of these routes coloured burnt sienna; minor routes in single lines; place-names along the routes given; sea coast coloured with brown tint; contain coloured inset maps, showing political boundaries of countries lying on the north-west and west with borders graduated; also contain 'NOTE' explaining the course of some rivers; with remarks on map 88A - "2nd Edition", "Received 16th August 1841", in pencil, in the south-west corner, near the title, inside the borders.

1841-60/89

**Sialkot - Topographical.**

Size: 80.5 cm x 78 cm, between borders; in two sheets, pasted together. Lithographed copy; no coordinates numbered; some coordinates, in pencil, marked; hand coloured; no relief shown; major roads in double lines of red and minor ones in yellow ochre; contains table explaining topographical symbols used; half sickle-arrowhead indicates True Meridian; scale-bar shown, and some place-names corrected in pencil.

The map is a fair draft copy for printing.

Watermark: "J WHATMAN TURKEY MILLS".

1841-60/90-90C

**Jhelum - Topographical.**

Size: 113.4 cm x 76.0 cm, between borders; in four sections, each section in single sheet. Latitudes from  $32^{\circ}30'N$  to  $33^{\circ}0'N$  and longitudes from  $72^{\circ}0'E$  to  $73^{\circ}0'E$  marked and numbered; printed copies and not coloured; major routes in double lines and minor ones in single lines; relief shown by grey tones, with title, scale and other remarks, outside the borders of the map.

1841-60/91

**Hazara - Topographical.**

Size: 38 cm x 53.3 cm, actual area; in single sheet. Coordinates marked but not numbered; hand-drawn and sparsely coloured; boundary ribbon-coloured; relief and ravines shown by contour-like hachures with grey tint; survey stations numbered; routes in single lines of burnt sienna; altitudes of some places marked in red ink; area covered marked 446.2 square miles; is a plane-table survey sheet surveyed and drawn by John Dyer and signed by him at bottom-right corner.

1841-60/92-92B

**Bahawalpur - Bikaner - Boundary Survey.**

Size of map 92: 82.2 cm x 116.5 cm, actual area, in two sheets, pasted together; map 92A: 107 cm x 114.8 cm, between borders, in four sheets, pasted together and map 92B: 97.5 cm x 118.2 cm, also between borders, on tracing cloth. On maps 92 and 92B coordinates of only Anupgarh drawn in black; on map 92A, latitudes from  $28^{\circ}30'N$  to  $30^{\circ}N$  and longitudes  $72^{\circ}E$  to  $74^{\circ}30'E$  drawn in red and numbered; graticules, in pencil, also shown on maps 92 and 92A with bearings of many place-names in red ink, but in black on map 92B; boundaries coloured with various tints; higher banks of the river indicated with dots; routes shown in single lines of burnt sienna; 'supposed' course of Naiwal river also indicated; maps contain tables to explain colours and symbols used; map 92 bears remarks - 'Original sketch, Received 13th November 1849', in pencil.

1841-60/93

## Jerusalem - Pictorial view.

Size: 66.0 cm x 75.6 cm, actual area; in single sheet. This is a pictorial view of the walled city with numerous buildings, in perspective, also shows persons at work, processions on the move, various gates in the wall, all drawn in perspective; various types of musical instruments then in use shown at the bottom; contains legends, historical and mythological information, written all around outside the margin, with descriptions of 'coat of arms' on the banners of 12 tribes of 'Israel'.

It is a beautiful example of pictorial cartography.

1841-60/94

## China - Atlas.

Size of each sheet: 75 cm x 53.8 cm. It is a lithographed copy having four sheets of maps, one title sheet, and three letter press printed sheets; maps show political boundaries ribbon-coloured; river in black and mountain ranges marked in the shape of inverted 'V's with eastern side in darker shade, indicating shadows; title sheet illustrates a Chinese emperor sitting in a beautiful garden throne, and being attended to by a female attendant waving a huge fan over him, an angle standing in a lotus flower, another flag-waving attendant in a boat, and a dragon in the garden, in front.

1841-60/95-95B

**Thul - Topographical.**

Size of map: 95: 55.8 cm x 79.3 cm, actual area; in single sheet; map 95A: 57.2 cm x 84.2 cm, between borders; in single sheet and map 95B: 34.5 cm x 51.5 cm, actual area; also in single sheet. On map 95, coordinates drawn in pencil; on maps 95A and 95B drawn in ink and numbered; maps 95 and 95A hand-drawn and coloured, map 95B a printed 'uncorrected proof' copy printed on both sides of the paper, on one side the map and on the other, a pictorial sketch of 'Sufaidkoh Range', shown on other maps as an 'inset'; mountain ranges coloured with grey and natural tint and the lower valleys coloured light burnt sienna; routes drawn in single lines of red; 'remarks' and 'note' explain water drainage system and other topographical details; map 95 shows a beautifully drawn arrow indicating the north and signed by Lt. P.S.Lumsden; map 95A bears the signature of Major H.L.Thuillier, Deputy Surveyor General of India, certifying it to be a 'True copy'.

Watermark on map 95A: "J WHATMAN TURKEY MILLS 1856".

1841-60/96

**Lahore - City Plan.**

Size: 98.3 cm x 65.5 cm, between borders, in single sheet. No coordinates marked or numbered; hand-drawn and coloured; city plan drawn with red ink but built-in areas of the city and the citadel in light red; roads in double lines left uncoloured; outer city walls coloured

light brown; names of important buildings, localities and the title written both in English and Urdu; two sickle-arrowheads drawn indicating True and Magnetic meridians, showing the variation as  $2^{\circ}32'$ .

The map is west-oriented i.e., the top side of the map indicates the west.

Watermark: "J WHATMAN TURKEY MILLS 1850".

1841-60/97-97A

Dacca - Topographical.

Size: 84.5 cm x 110.0 cm, between borders; in two sections, each section in single sheet. No coordinates marked or numbered; photozincographed copies; 'Pukka' and 'Kutchha' houses marked in blocks with and without shades respectively; gardens and marshy lands indicated; in some gardens, beautifully drawn trees, in perspective, with light falling vertically on them shown; coconut and palmyras groves shown by conventional signs; telegraph lines also marked; 'Ferry crossing' sites along the banks of the river indicated; contains artistically drawn half sickle-arrowheads indicating 'True' and 'Magnetic' meridians, showing variation of  $2^{\circ}30'$  East, and has 'Note' and 'General statistics of the city of Dacca' giving the details of the town.

Some portions of the maps on the south side are missing.



1841-60/98-98J

Dacca - Topographical.

Size of the sections of the map varies between 59 cm x 80 cm, and 75 cm x 86 cm, within borders. No coordinates marked or numbered; uncoloured lithographed copies; sites of villages shown by beautifully drawn symbols; deserted villages also marked; temples, mosques, post-offices, indigo-factories shown; forests shown by very artistically drawn trees; cococunt, date, betelnut groves marked; electric telegraph lines also indicated; contain 'References', 'Area Statement', 'Remarks' and 'Notes' explaining various symbols, and historical sketches of few places covered by individual sections also given; beautifully drawn half sickle-arrowheads indicate 'True' and 'Magnetic' meridians showing variation of  $2^{\circ}30'E$ .

1841-60/99

Backergunge - Topographical.

Size: 82.2 cm x 70.3 cm, between borders; in single sheet. No coordinates marked or numbered; lithographed copy; sparsely hand coloured; village sites, mosques, coconut, betel and date groves indicated and jungles marked; contains tables of 'References', 'Area statement', 'Notes', and 'Remarks' which explain the symbols used; chief products and vegetation of the region, various kinds of animals found in the area, and river navigational conditions marked; half-sickle-arrowheads indicate the True and Magnetic meridians showing variation of  $2^{\circ}60'$  East.

1841-60/99A

Backergunje - Topographical.

Size: 85.0 cm x 71.5 cm, between borders, in single sheet. No coordinates marked or numbered; lithographed copies; sparsely hand coloured; present and deserted village sites marked; bazars, temples, mosques, grass jungles, ferry services, salt ports, sand and mud shoals indicated; tables of 'References', 'Area Statement', 'Notes', and 'Remarks' explain the symbols used, condition of river navigation during various seasons etc.; artistically drawn half-sickle arrowheads indicate True and Magnetic meridians showing variation of  $2^{\circ}06'$  East.

1841-60/100-100A

Faridpur - Topographical.

Size: 84.3 cm x 73.7 cm, between borders, in two sections. No coordinates marked or numbered; uncoloured lithographed copies; sites of villages marked with artistically drawn symbols; bazar sites and of ferry services, grass jungles and boundary pillars also marked; palmyra or tar, date and betel-nut groves, forest areas and large mounds of earth with huts marked with appropriate symbols; contains tables of 'References', 'Area Statement' and 'Notes' explaining the symbols used; topography, trade and commerce, navigational conditions, cultivation and vegetation of the region; beautifully drawn half sickle-arrowhead indicates True and Magnetic meridians showing variation of  $2^{\circ}06'$  East.

1841-60/101-101A

**Faridpur - Topographical.**

Size: 59.6 cm x 109.5 cm, between borders, in two sections. No coordinates marked or numbered; uncoloured lithographed copies; sites of villages marked with artistic symbols; bazar sites, ferry services, indigo and silk factories, grass jungles and swamps with boundary pillars marked; also contains tables of 'References', 'Area Statement' and 'Notes' explaining the symbols used, topography, trade, commerce, navigational conditions, cultivation and vegetation of the region; beautifully drawn half-sickle-arrowhead indicates True and Magnetic meridians showing variation of 2°06' East.

1841-60/102-102A

**Kotah - Topographical.**

Size of map 102: 58 cm x 62 cm, map 102A: 64 cm x 66.5 cm, actual areas; both on tracing cloth. No coordinates marked or numbered; hand-drawn and coloured; map 102 coloured in deep tones and map 102A in lighter shades; on map 102, forest area coloured grey but on 102A, shown in green; walls of the forts drawn in red ink on map 102A, and on 102 in burnt sienna; relief shown by roughly drawn horizontal hechures; topography of the outlying region written on the maps; both contain an unusually lengthy scale-bars drawn near the bottom edge; both also contain artistically drawn compass-rose indicating the north; have sectional drawings of the fort walls from various points, drawn with burnt sienna colour; map 102 bears

the signatures of Major C. W. Tremmenheere, Commanding Engineer and Lt. G. L. C. Merewether, Asstt. 'd. Engineer; map No. 102A bears the signature of Major H. L. Thuillier, Deputy Surveyor General of India certifying the map to be 'True Copy'.

841-60/103

Dwarka - Topographical.

Size: 63.1 cm x 68.4 cm, actual area; on tracing cloth. Hand-drawn and coloured; shows forest areas with trees in light green; fort area coloured burnt sienna; roads in double lines and coloured burnt sienna; relief marked with the roughly drawn horizontal hachures; various camp-sites of troops indicated; cultivated fields, also marked; has an inset-plan of 'Fakeer's house' with a beautiful pen-sketch showing in perspective eastern and southern faces of the fort and town drawn on the right-hand side of the map.

841-60/104-104E

Dukkur - Topographical.

Size of maps 104 and 104A: 70.0 cm x 64.0 cm; size of map 104B: 52.2 cm x 46.5 cm, between borders. Maps 104, 104A hand-drawn and coloured on tracing cloth and map 104B is a silver-print of map 101A turned brown due to ageing; on maps 104 and 104A, built-in areas shown in red; major roads drawn in double lines while minor ones in single lines but both coloured burnt sienna; gardens, uncultivated fields, coconut and date-tree groves and sites

of important buildings all shown with conventional signs; sandy areas indicated with fine dots of burnt sienna; relief shown by grey tint; full sickle-arrow indicates the 'True Meridian'; map 104 bears the signature of Lt. Col. [illegible], Offg. Deputy Surveyor General of India, and both contain the names of the 'Native Surveyors' given in the left bottom corner.

These are artistically decorated maps.

1841-60/105

Bharatpur - Topographical.

Size: 66 cm x 91.8 cm, between borders; on tracing cloth. Coordinates marked but not numbered; hand-drawn and coloured in bright colours; fields coloured with green tint; 'Government lands' coloured red while private areas shown in burnt sienna; roads, inside the city, left blank but outside, major roads in double lines and minor ones in single lines of burnt sienna; 'Salt pans' shown in blocks of blue tint and lines of deep blue make it into small rectangles; fort walls coloured red but city 'walls' marked by showing the relief in grey; positions of British troops also marked; artistically drawn half sickle-arrowhead indicates the north; contains a 'Table of References' and a 'Note' giving the names of various surveyors engaged in its compilation, with its title written in beautifully drawn oval shaped design; and bears the signature of Major H. L. Thurlier, Deputy Surveyor General of India, certifying the map to be 'True copy'.

1841-60/106-106A

Beyt Shankhodhar - Topographical.

Size: 48.2 cm x 58.0 cm, actual area, on tracing cloth. No coordinates marked or numbered; hand-drawn and coloured; built-in area shown in red; 'Baubul Thorn Bushes' beautifully shown in green colour along the south and east sides of the fort, whereas on the west side, 'Stockade' shown in burnt sienna, a 'barricade' on the north-west in brown; a 'loose stone wall', also on the south side, shown in brown; positions of various temples inside the fort marked; contains sectional drawings of the fortress; bears signature of Major H. L. Thullier, Deputy Surveyor General of India, certifying it to be a 'True Copy'; also has the remarks - "Forwarded to the Surveyor General of India with the best compliments of the field Engineer accompanying the Force" written in the right bottom corner, and also bears the date of its receipt in the Survey Department with reference number etc., probably, for copying.

Map 106A is a copy of map 106.

841-60/107-107A

Calcutta - Topographical.

Size of map: 107: 28.00 cm (approx.) x 23.2 cm, with border being torn; map 107A: 29.3 cm x 24.3 cm, between borders; each in single sheet. No coordinates marked or numbered; hand-drawn and coloured; map 107 complete; walls of the Fort William with part of the ditch around it indicated; roads leading into the fort drawn in double lines and coloured burnt sienna; map 107A shows a garden on the north-east of the fort; river bank and a road, in double lines, and coloured red; beautifully

drawn half sickle-arrow, cuts the map almost into vertical halves and indicates the north; map 107 bears the remarks: "slopes of ---- should be shaded with Indian Ink not Blue", and also the scale in pencil; on map 107A, - "Meridian from Calcutta" also shown, in pencil; other remarks, also in pencil - "Reduced from a sketch forwarded by Major St.... on 400 feet = 1 inch to a scale of 880 feet to 1 Inch or 6 Inches equal 1 mile" written on the lower border.

1841-60/108

Cuttack - Topographical.

Size: 96 cm x 78 cm, between borders; on tracing cloth. No coordinates marked or numbered; hand-drawn but not coloured; cultivated fields marked; various rivers and their tributaries shown in detail with relief in roughly drawn contours and roads in single lines; half sickle-arrowhead indicates the north and bears the signature of Col. H.L.Thuillier, Surveyor General of India, certifying it to be a 'True Copy'.

1841-60/109-109B

Jammu - Topographical.

Size: 286.5 cm x 231 cm, between borders, in 3 sections: six sheets, pasted together. Latitudes  $32^{\circ}20'N$  to  $33^{\circ}20'N$  and longitudes  $73^{\circ}30'E$  to  $76^{\circ}30'E$  marked and numbered; hand-drawn and coloured; relief shown by tints of grey and burnt sienna; routes shown by single lines of burnt sienna; contain 'Reference Note' explaining the

various tints used; instructions, in pencil, for corrections indicated; and bears signatures of J. T. Walker, Superintendent of G. T. Survey of India and S. Golam-kadar.

It is final draft copy for printing.

1841-60/110

Chamba - Topographical.

Size: 111.5 cm x 112.5 cm, between borders; in four sections; each section in single sheet. Latitudes from  $32^{\circ}10'N$  to  $33^{\circ}20'N$  and longitudes from  $75^{\circ}50'E$  to  $77^{\circ}0'E$  numbered; photozincographed copy but sparsely coloured; boundaries ribbon-coloured; trigonometrical stations shown with altitudes; relief shown by vertical hechures and routes in single lines of burnt sienna; and major rivers and lakes coloured blue.

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