NEWCASTLE EXHIBITION.—AWARDS.

SILVER MEDALS.

- BLONDEAU ET CIE, Malden Crescent, London, N.W.
Vinolia Soap.
- BRADY & MARTIN, Northumberland Road, Newcastle.
Brady & Martin's Vacuum Tube for Rontgen Rays.
- BURROUGHS, WELLCOME, & Co., Snow Hill Buildings, London, E.C.
Disinfecting Soloids.
- F. C. CALVERT & Co., P.O. Box 513, Manchester.
Carbolic Acid Preparations.
- DAVIS GAS STOVE CO., 200, Camberwell Road, London, S.E.
Enamelled "Metropolitan" Gas Kitchener.
- J. DEFRIES & SONS, LIMITED, 147, Houndsditch, London, E.C.
Geneste Herscher Saturated Steam Disinfector.
- J. DEFRIES & SON, LIMITED, 147, Houndsditch, London, E.C.
Apparatus for immediately Cleaning and Sterilising Cattle Markets.
- J. DEFRIES & SONS, LIMITED, 147, Houndsditch, London, E.C.
Non-pressure Filters with Rapid Output.
- THE EXPANDED METAL CO., LIMITED, 39, Upper Thames Street, London, E.C.
Expanded Metal.

BRONZE MEDALS.

- ALBION CLAY COMPANY, LIMITED, Woodville, Burton-on-Trent.
Sykes' Deep Seal Gullies, with extra largetop and 4 inch outlet.
- ATKINSON & PHILIPSON, 27, Pilgrim Street, Newcastle-on-Tyne.
Ambulance Van, St. John's pattern.
- ATKINSON & PHILIPSON, 27, Pilgrim Street, Newcastle-on-Tyne.
Doctor's Light Brougham.
- BARNETT, ROWLAND, & Co.,
Electric Lighting Plant.
- A. BOAKE, ROBERTS & Co., Stratford, London, E.
Liquified Sulphur Dioxide.
- BOWES, SCOTT & WESTERN, LIMITED, Broadway Chambers, Westminster, London, S.W.
Corbelled Glazed Lavatory Basin.
- BOWES, SCOTT & WESTERN, LIMITED, Broadway Chambers, Westminster, London, S.W.
Automatic Flushing Grease Trap.
- BRADY & MARTIN, Northumberland Road, Newcastle-on-Tyne.
Apparatus for Demonstrating the phenomena of Heat, Sound, Light, Magnetism, Electricity, &c.
- BRADY & MARTIN, Northumberland Road, Newcastle-on-Tyne.
A Set of Standard Meteorological Instruments.
- BRITISH SANITARY COMPANY, 56, Bothwell Street, Glasgow.
Dodd's Helical Spring Bed Rest.

- BRITISH SANITARY COMPANY, 56, Bothwell Street, Glasgow.
Earth-closet.
- BURROUGHS, WELLCOME & CO., Snow Hill Buildings, London, E.C.
Syringe for Injecting Anti-toxic Serums.
- CADBURY BROTHERS, Bournville, Birmingham.
Essence of Cocoa.
- THE "CANNON" HOLLOW-WARE CO., LIMITED, Deepfields, Bilston.
The "Hercules" Gas Cooker.
- THE "CANNON" HOLLOW-WARE CO., LIMITED, Deepfields, Bilston.
Enamelling Cast Iron.
- JOHN CARR & SONS, Low Lights, North Shields-on-Tyne.
Enamelled and Decorated Fireclay Tiles.
- JOHN CARR & SONS, Low Lights, North Shields-on-Tyne.
Cane Glazed Sinks.
- THE CORDELOVA CO., LIMITED, 74, Pitt Street, Edinburgh.
Cordelova Wall Coverings.
- CROZIER, STEPHENS & CO., 58 and 60, Collingwood Street, Newcastle-on-Tyne.
Glass with Embedded Wire.
- J. DEFRIES & SON, LIMITED, 147, Houndsditch, London, E.C.
Indicator of Carbonic Acid Gas in Air.
- ELSWICK COURT MARBLE WORKS CO., Northumberland Street, Newcastle-on-Tyne.
"Hotspur" Ranges (Cooking).
- EMLEY & SONS, LIMITED, Westgate Road, Newcastle-on-Tyne.
Aluminium Cooking Utensils.
- EMLEY & SONS, LIMITED, Westgate Road, Newcastle-on-Tyne.
Welded Conical Boiler.
- EMLEY & SONS, LIMITED, Westgate Road, Newcastle-on-Tyne.
Teale's Well-fire.
- EMLEY & SONS, LIMITED, Westgate Road, Newcastle-on-Tyne.
"Neville" Cooking Range with Baking Oven.
- EVERED & CO., LIMITED, 27 to 37, Drury Lane, London, W.C.
Evered's "Eveflus" Water Waste Preventer.
- J. S. FRY & SONS, LIMITED, Union Street, Bristol.
Pure Concentrated Cocoa.
- W. C. GIBSON & CO., LIMITED, Exchange Buildings, Queen Street, Newcastle-on-Tyne.
White Enamelled Fireclay Sinks.
- WM. HARRIMAN & CO., LIMITED, Fenkle Street, Newcastle-on-Tyne.
White Glazed Sinks.
- WM. HARRIMAN & CO., LIMITED, Fenkle Street, Newcastle-on-Tyne.
Barron's Channel-bends with room to receive Drain Plug.
- THE HEDWORTH BARIUM CO., 1, St. Nicholas' Buildings, Newcastle-on-Tyne.
The St. Bede Disinfectant.
- GEORGE HENRY HALL, Thornton Street, Newcastle-on-Tyne.
Ambulance Van.
- GEORGE J. HUTCHINGS, 4, Clerkenwell Road, London, E.C.
Hutchings' Steam Cookers.

- WM. INGHAM & SONS, Wortley, Leeds.
Salt Glazed Sinks.
- GEORGE JENNINGS, Lambeth Palace Road, London, S.E.
Hot and Cold Water Mixer, with Indicating Thermometer.
- JOHN JONES, 40, Sydney Street, Chelsea, London, S.W.
Deep Seal Gullies, with extra large Top and 4-inch Outlet.
- JOHN JONES, 40, Sydney Street, Chelsea, London, S.W.
Improved Expanding Bag Drain Stopper.
- JOHN GEO. KIRTLLEY, 9, St. Thomas' Street, Sunderland.
Smoke Machine for Testing Drains.
- THE LEEDS STEEL WORKS, LIMITED, Hunslet, Leeds.
Girder Flange Bar.
- THE LONDON AGENCY, St. Mary Axe, London, E.C.
Abel Apparatus for Testing Flashing Points of Oils.
- SANITATION IMPROVEMENT COMPANY, Canal Street, Wolverhampton.
Day's Stafford Closet.
- SHANKS & Co., Tubal Works, Barrhead, N.B.
Shanks' "Fin de Siecle" Bath, with "Modern" Waste.
- SHANKS & Co., Tubal Works, Barrhead, N.B.
Shanks' Urinals with Enamelled Fireclay Backs for Automatic Flushing.
- THE SMOKELESS FIRE CO., LIMITED, 100, Shaftesbury Avenue, London, W.
Smoke Consuming Cooking Range.
- HY. WALKER & SON, LIMITED, Westgate Street, Newcastle-on-Tyne.
Bowes' Well-fire.
- HY. WALKER & SON, LIMITED, Westgate Street, Newcastle-on-Tyne.
New Ventilator and Draught Regulator attached to Eagle Range.
- CHARLES WILSON & SONS, Carlton Works, Leeds.
Canopy Gas Stoves.

EXHIBITS SELECTED FOR PRACTICAL TRIAL.

- BRITISH ELECTROZONE CORPORATION, LIMITED, Trafalgar Buildings, Charing Cross, London, W.C.
Electrozone Preparations.
- RICHARD CLARKE & Co., Beehive Mills, Heckmondwike.
"Eureka" lead encased Block Tin Water Pipe.
- G. & F. COUZENS, 14, Tudor Street, Cardiff.
Tidal Valve Interceptor.
- CROSIER, STEPHENS, & Co., 58 and 60, Collingwood Street, Newcastle-on-Tyne.
Judge's Valve, for preventing the waste of water.
- J. DEFRIES & SONS, LIMITED, 147, Houndsditch, London, E.C.
Differential Gas Regulator.
- J. DEFRIES & SON, LIMITED, 147, Houndsditch, London, E.C.
Current Steam Disinfecter.
- J. DUCKETT & SON, Blannel Street, Burnley, Lancashire.
Ten Gallon Underground Tipper.

- J. DUCKETT & SON, LIMITED, Blannel Street, Burnley, Lancashire.
Twenty Gallon Automatic Flushing Tank.
- J. DUCKETT & SON, LIMITED, Blannel Street, Burnley, Lancashire.
10 Gallon Overhead Bufferless Tilting Vessel.
- EMLEY & SONS, LIMITED, Westgate Road, Newcastle-on-Tyne.
Incandescent (Welsbach) Gas-light and Fittings.
- O. L. FALCONAR, 32, Collingwood Street, Newcastle-on-Tyne.
Electric Fans, in working order, fitted in Ladies' and Gentlemen's Lavatories.
- W. FERGUSSON & SON, Prudhoe Street, Newcastle-on-Tyne.
Champion Ventilator.
- THE HORSFALL REFUSE FURNACE Co., Athenaeum Buildings, Park Lane, Leeds.
Model of Refuse Destructor and Wall Diagram.
- GEORGE JENNINGS, Lambeth Palace Road, London, S.E.
"Siphonic" Closet, without waste Preventing Supply Valve.
- GEORGE JENNINGS, Lambeth Palace Road, London, S.E.
"Siphonic" Closet with Waste Preventing Overflow Regulating Supply Valve.
- JEYES' SANITARY COMPOUNDS Co., LIMITED, 64, Cannon Street, London, E.C.
Jeyes' Preparations.
- JEYES' SANITARY COMPOUNDS Co., LIMITED, 64, Cannon Street, London, E.C.
Jeyes' Fluid.
- JOHN JONES, 40, Sydney Street, Chelsea, London, S.W.
Ball Valves.
- JOHN JONES.
Stopper to Clearing Arm of Intercepting Trap.
- JOHN JONES, 40, Sydney Street, Chelsea, London, S.W.
"Sydney" Water Waste Preventer.
- THE KILLGERM Co., LIMITED, Cleckheaton.
Killgerm Co.'s Preparations.
- THE KILLGERM Co., LIMITED, Cleckheaton.
Killgerm Fluid.
- LEVER BROS., LIMITED, Port Sunlight, Birkenhead.
"Lifebuoy" Royal Disinfectant Soap.
- THE "CANNON" HOLLOW-WARE Co., LIMITED, Deepfields, Bilston.
Chemically Enamelled Iron Evaporating Bowl.
- THE "LOCO" DRAINING APPARATUS Co., LIMITED, 25, Cross Street, Manchester.
"Loco" Lavatory Basin, with Self-flushing Overflow Pipe.
- THE LONDON AGENCY, St. Mary Axe, London, E.C.
Petroleum Products.
- NESS & Co., Darlington.
"Thymo-cresol" Disinfecting Soap.
- NESS & Co., Darlington.
"Thymo-cresol" Disinfecting Fluid and Powder.
- THE NORTH EASTERN GLAZED BRICK AND TILE Co., LIMITED, 8, Railway Arches, Westgate Road, Newcastle-on-Tyne.
Opalite.

- SHANKS & Co., Tubal Works, Barrhead, N.B.
Shanks' Instantaneous Water-heaters.
- SHANKS & Co., Tubal Works, Barrhead, N.B.
Shanks' Simple "Barrhead" Siphonic Closet.
- JAMES STOTT & Co., Vernon Works, Oldham.
"Stott Thorp" Reflex Light and Ventilating Sun Burner.
- JAMES STOTT & Co., Vernon Works, Oldham.
The Stott Gas Governor.
- JAMES STOTT & Co., Vernon Works, Oldham.
The "Stott" Power Driver and Electric Air Propellers.
- THRESH DISINFECTOR Co., Chelmsford.
Portable Disinfecting Apparatus.
- THE THRESH DISINFECTOR Co., Chelmsford.
Thresh Current Steam and Disinfecting Apparatus.
- THE TORPEDO VENTILATOR Co., 32, Eyre Street, Sheffield.
Torpedo Ventilator, Upright Pattern.
- THE TORPEDO VENTILATOR COMPANY, 32, Eyre Street, Sheffield.
Torpedo Ventilator for Ships.
- THE TORPEDO VENTILATOR COMPANY, 32, Eyre Street, Sheffield.
Torpedo Ventilator for Soil-pipes and Railway Carriages.
- HY. WALKER & SON, LIMITED, Westgate Road, Newcastle-on-Tyne.
Connel's Flue Ventilator.
- H. WATSON & SONS, 37, High Bridge, Newcastle-on-Tyne.
Trott's Bib Valves.
- H. WATSON & SONS, 37, High Bridge, Newcastle-on-Tyne.
Judge's Self-closing Springless Water Tap.
- H. WATSON & SONS, 37, High Bridge, Newcastle-on-Tyne.
Lord Kelvin's Bib Valve.
- H. WATSON & SONS, 37, High Bridge, Newcastle-on-Tyne.
Magnesia Plastic Coverings for Boilers.

HENRY LAW, M.INST.C.E.,

E. WHITE WALLIS,

Chairman.

Secretary.

REVIEWS OF BOOKS.

"DISINFECTION AND DISINFECTANTS."*

Since the passing of the Public Health Act, 1872, which created a New Era in Local Government, there has been published quite a library of volumes—official and non-official—all being directly on subjects relating to the functions of a Sanitary Authority. One of the earliest was a Manual—the joint work of four distinguished

* "Disinfection and Disinfectants," by Samuel Rideal, D.Sc. (Lond.), F.I.C., F.C.S., Member of The Sanitary Institute. 328 pp. Price 12s. 6d. London: Charles Griffin & Co.