In conclusion, the Committee were satisfied by their own observation, and the testimony of those who had the apparatus in daily and continual use, of the greatly increased efficiency of the weigh lock scale of the Messrs. Fairbanks & Co.; and they believe the greater part of the arrangement to be new. They therefore report it to be worthy of approbation, and recommend its general adoption.

By order of the Committee.

WILLIAM HAMILTON, *Actuary.*

Philadelphia, January 9, 1851.

BIBLIOGRAPHICAL NOTICES.

Pennsylvania Farm Journal.

We hail with great pleasure the appearance of this new periodical, published under the auspices of the newly formed State Agricultural Society, and devoted to the interests of a great productive industry, which has hitherto not been sufficiently attended to within our borders. We have had, it is true, several agricultural publications of great value emanating from among us, but they have never spread among our farming population as they should have done, and their usefulness was consequently much diminished, by want of a free communication of mutual experience among our farmers. We hope that the present Journal will in this respect fare better, and that the State Agricultural Society and the Farm Journal, may do for the farmers of our State, what the Franklin Institute and its Journal have been for years trying to do (and not without success) for its mechanics. The Editor of the Journal, Prof. S. S. Haldeman, has been long and intimately known to us, and if enthusiastic devotion to science, habits of untiring industry, much valuable general information, great uprightness of character, and amiability of disposition, will qualify a man for the task which he has undertaken, it would not be easy to find within our State his superior.

F.

The Year Book of Facts in Science and the Arts for 1850. By JOHN TIMBS. Reprinted from the London Edition. Philadelphia: A. Hart, late Carey & Hart. 1851.

We are glad to find an American edition of this valuable little work, which gives within a very small limit, an epitome of the discoveries and improvements in Science and the Arts within the year, and the reference to the authorities from which further information can, if desired, be obtained. Of course, a book of this kind cannot claim any higher merit than that of a judicious selection from the overwhelming amount of claimed discoveries and improvements in Science and Art which a year gives rise to, but that merit this volume appears to have in a high degree, and to be very well deserving of patronage.

Ed.

Longitudinal Section.

Plan.

Scale of Feet.
0 1 2 3 4 5 6 7 8 9 10

Transverse Section.

E. & T. FAIRBANKS & CO'S

WEIGH LOCK FOR CANALS.