# United States Patent Office.

THORNTON A. SHINN, OF BADEN, PENNSYLVANIA.

*Letters Patent No.* 68,245, *dated August* 27, 1867.

## IMPROVEMENT IN INSTRUMENTS FOR MEASURING DRY GOODS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, THORNTON A. SHINN, of Baden, in the county of Beaver, and State of Pennsylvania, have invented a new and useful Machine for Measuring Dry Goods; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a front view, and

Figure 2 is a vertical central section through the section line A B of fig. 1.

Similar letters of reference indicate like parts.

C is a stand on which my machine rests; D is an upright, firmly secured to the bottom C; E is a slide carrying the small friction-wheel F and the shelf G; H is a rubber spring; J is a large friction-wheel, having the fractions of the yard or foot marked on its face. Its axle, K, has one cog which works in the ratchet-wheel L. The axle of this wheel passes through the dial M, and is provided with the hand N. The stand may be made of metal, the weight of which holds it in place.

*Operation.*

When in operation the slide E is depressed, and the cloth is inserted between the friction-wheels F and J; the spring H brings the face of these wheels, which are covered with rubber, together, thereby securing a good hold on the cloth. As the cloth is drawn through the wheels the figures on the large one show the fractions of the yard or foot, while, by its connection with the hand on the dial through the ratchet-wheel, the number o yards or feet is recorded with accuracy and dispatch.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is—

The large wheel, with the fractions of the yard or foot marked thereon, in combination with the ratchet-wheel L carrying the hand N which registers the number of yards or feet on the dial M, together with the spring and slide carrying the small friction-wheel F, constructed substantially as and for the purpose set forth.

THORNTON A. SHINN.

Witnesses:

JAS. L. SUTHERLAND,

FRANCIS L. CLARK.

# T. A. Shinn,

## Wine and Cider Press.

No. 68,246. Patented Aug 27, 1867.

Fig: 1.

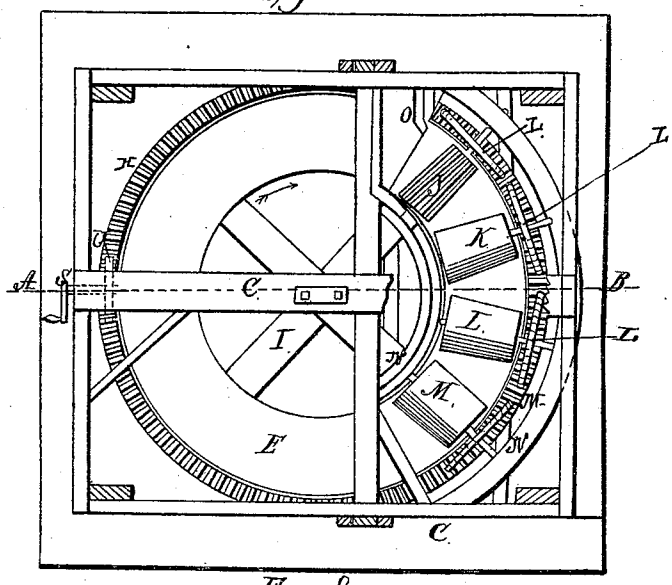
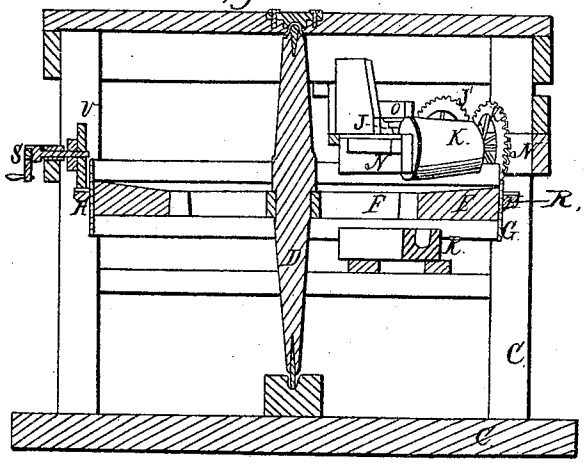



Fig: 2.




Witnesses:
William Gerkaret.
Francis L Clark

Inventor:
Thomas A Shinn

AM. PHOTO-LITHO. CO. N.Y. (OSBORNE'S PROCESS)