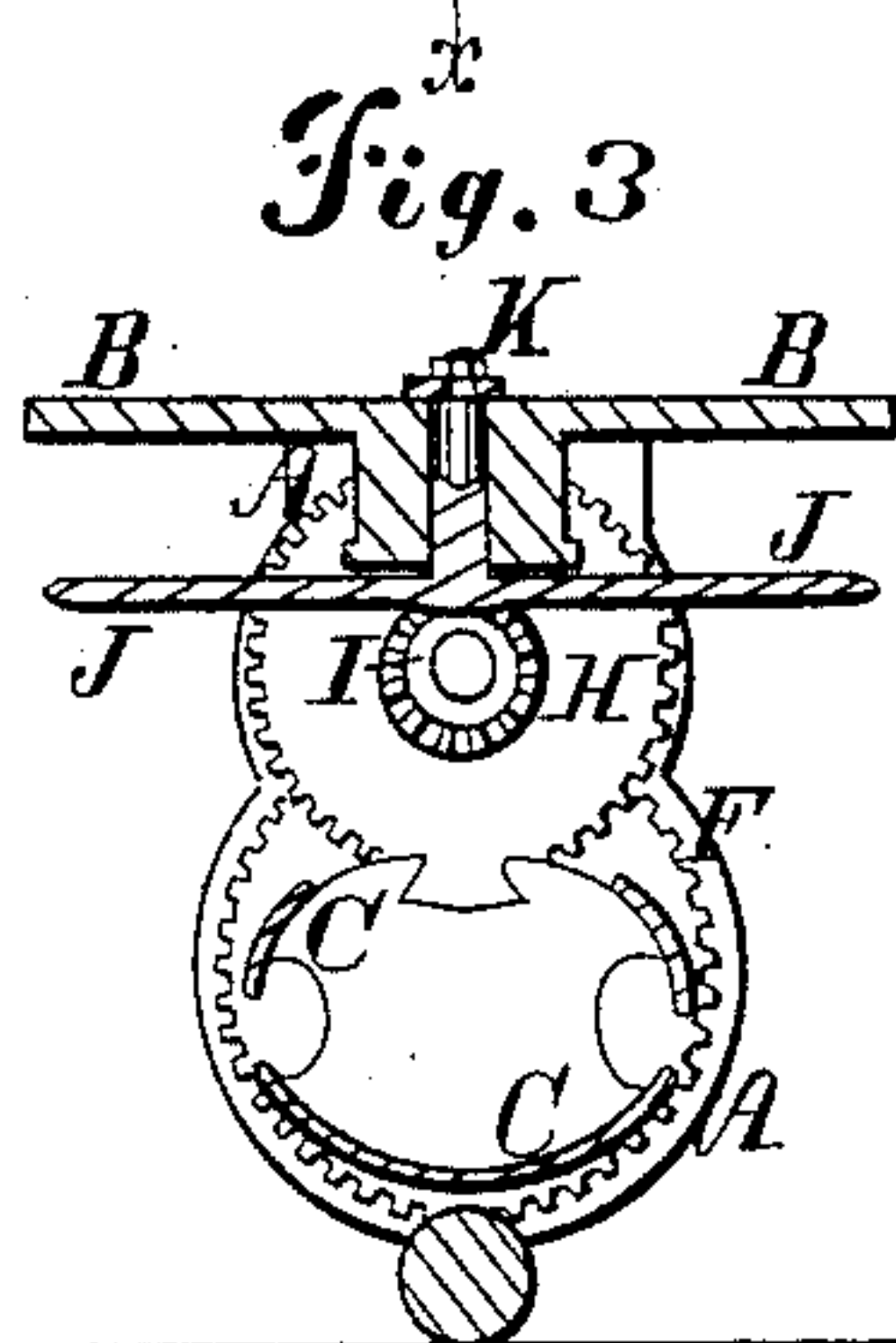
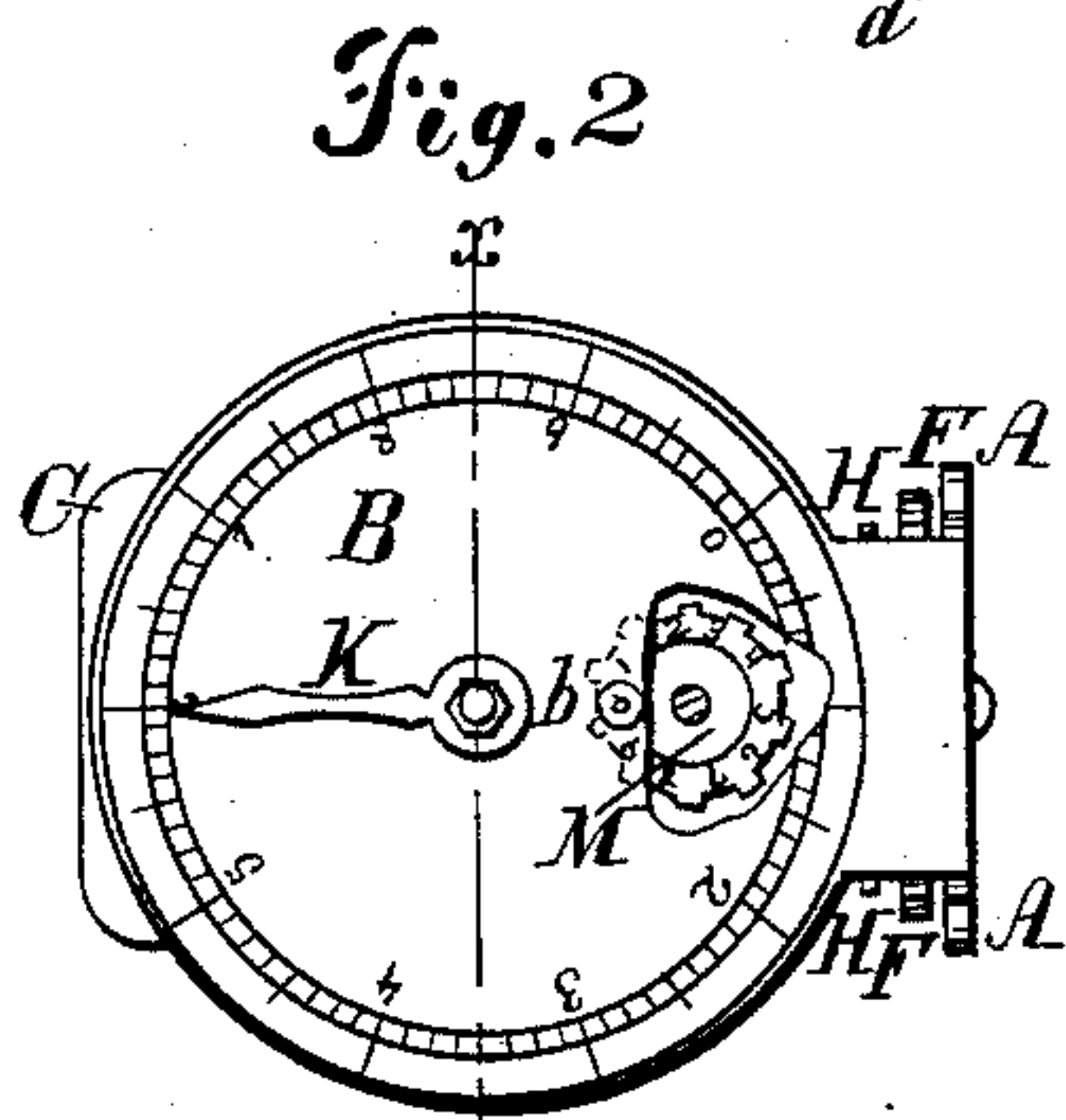
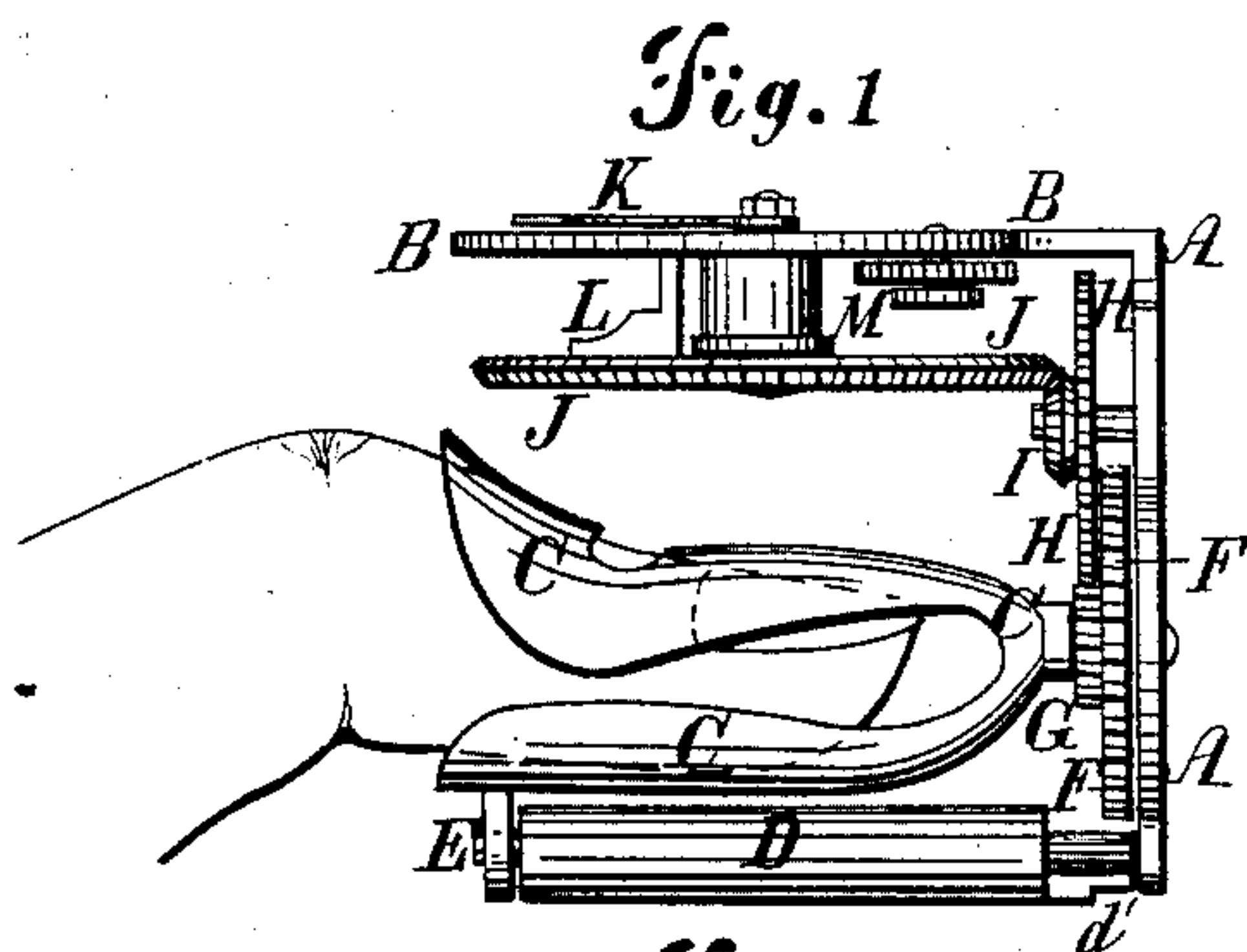


H. GILBERT.
Measurer and Register.

No. 76,435.

Patented April 7, 1868.



Witnesses
Theo. Inische.
Wm. Brewin

Inventor
H. Gilbert.
Per Wm. Inische
Attys.

United States Patent Office.

HARLOW GILBERT, OF NEW YORK, N. Y.

Letters Patent No. 76,435, dated April 7, 1868.

IMPROVEMENT IN REGISTERS.

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, HARLOW GILBERT, of New York, in the county and State of New York, have invented a new and improved Measurer and Register; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying plate of drawings, and to the letters of reference marked thereon, forming part of this specification.

Figure 1 is a side view of my improved machine.

Figure 2 is a top view of the same, part of the dial-plate being broken away.

Figure 3 is a vertical section of the same, taken through the line *x x*, fig. 2.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish a simple, convenient, and accurate machine for measuring dry-goods, and it consists in the construction, combination, and arrangement of the various parts, as hereinafter more fully described.

A is the side-plate of the machine. B is the top or dial-plate, which is formed solid with or is rigidly attached to the upper end of the plate A, in a position at right angles to said plate A. C is the thumb-piece or socket, which is so formed as to fit upon the thumb, and the forward end of which is secured to the plate A by a screw or bolt. D is a roller, the surface of which is milled, corrugated, or roughened, so as to take hold of the cloth which is passed over it, and be revolved by said cloth without slipping. The rear journal of the roller D revolves in a support, E, attached to the lower side of the rear part of the thumb-piece C, and its forward journal revolves in the lower end of the plate A, as shown in fig. 1. Upon the inner end of the roller D is formed a single cog or tooth, *d'*, which, upon each revolution of the said roller, meshes into the teeth of the cog-wheel F, and revolves it for the space occupied by one tooth. The gear-wheel F is pivoted to the plate A, and has a small gear-wheel, G, rigidly attached to or formed upon its inner side, so as to revolve with it, into the teeth of which mesh the teeth of the gear-wheel H. The gear-wheel H is pivoted to the plate A, and has a small gear-wheel, I, formed upon or rigidly attached to its inner side, into the teeth of which mesh the teeth of the horizontal gear-wheel J, which is pivoted to the top or dial-plate B, and the journal of which carries the index-finger K. Upon the dial-plate B is formed a scale, numbered from one to ten, and the number of teeth, and the relative size of the gear-wheels, are so arranged that the passage of a yard of the material being measured over the roller D, will move the index-finger K through one space upon the dial-plate B. If desired, more than one cog or tooth may be formed upon the roller D, the teeth of the gear-wheels being arranged accordingly. Upon the upper side of the horizontal gear-wheel J is formed, or to it is attached, a single tooth or cog, L, which, upon each revolution of the said wheel J, meshes into the teeth of the small toothed wheel M, pivoted to the under side of the plate B, and moves the said wheel M through the space of one tooth. Upon the upper side of the gear-wheel M is placed a series of numbers, which, as the wheel M is moved forward by the tooth L, are brought successively beneath a small hole, *b'*, formed in the dial-plate B, so that the tens can be conveniently read through said hole, while the number of yards less than ten are read from the dial-plate B.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent—

1. The combination of the side-plate A, dial-plate B, thumb-piece C, milled or roughened roller D, having one or more teeth formed upon it, gear-wheels F G H I, or their equivalents, horizontal gear-wheel J, and index-finger K, with each other, substantially as herein shown and described, and for the purpose set forth.

2. In combination with the above, I claim the tooth L, on wheel J, and the horizontal toothed wheel M, arranged and operating substantially as described, and for the purpose specified.

The above specification of my invention signed by me, this 8th day of October, 1867.

HARLOW GILBERT.

Witnesses:

WM. F. McNAMARA,

JAMES T. GRAHAM.