

(No Model.)

I. BIRGÉ.
SCALE MEASURE.

No. 434,911.

Patented Aug. 26, 1890.

FIG. 1.

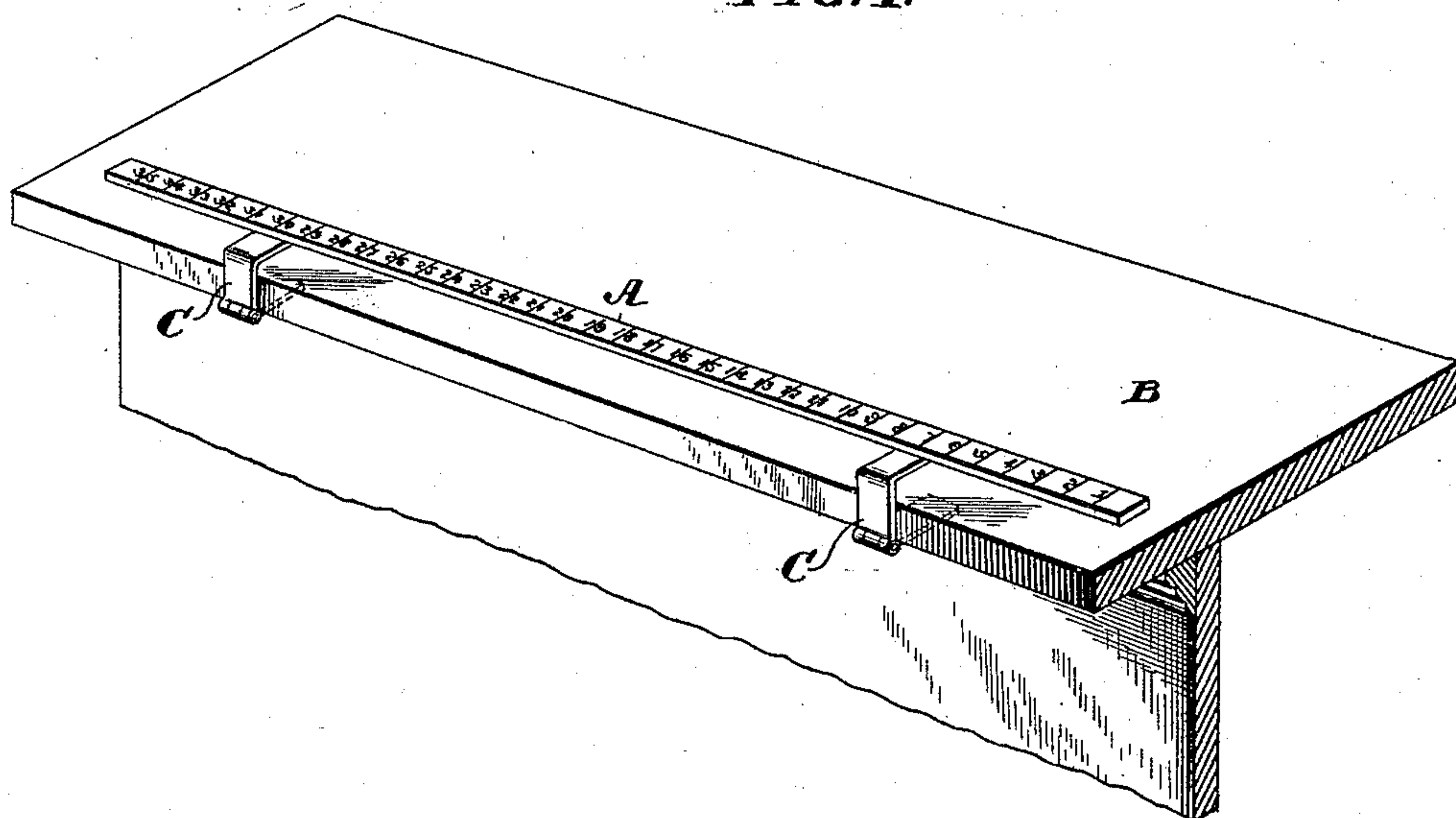
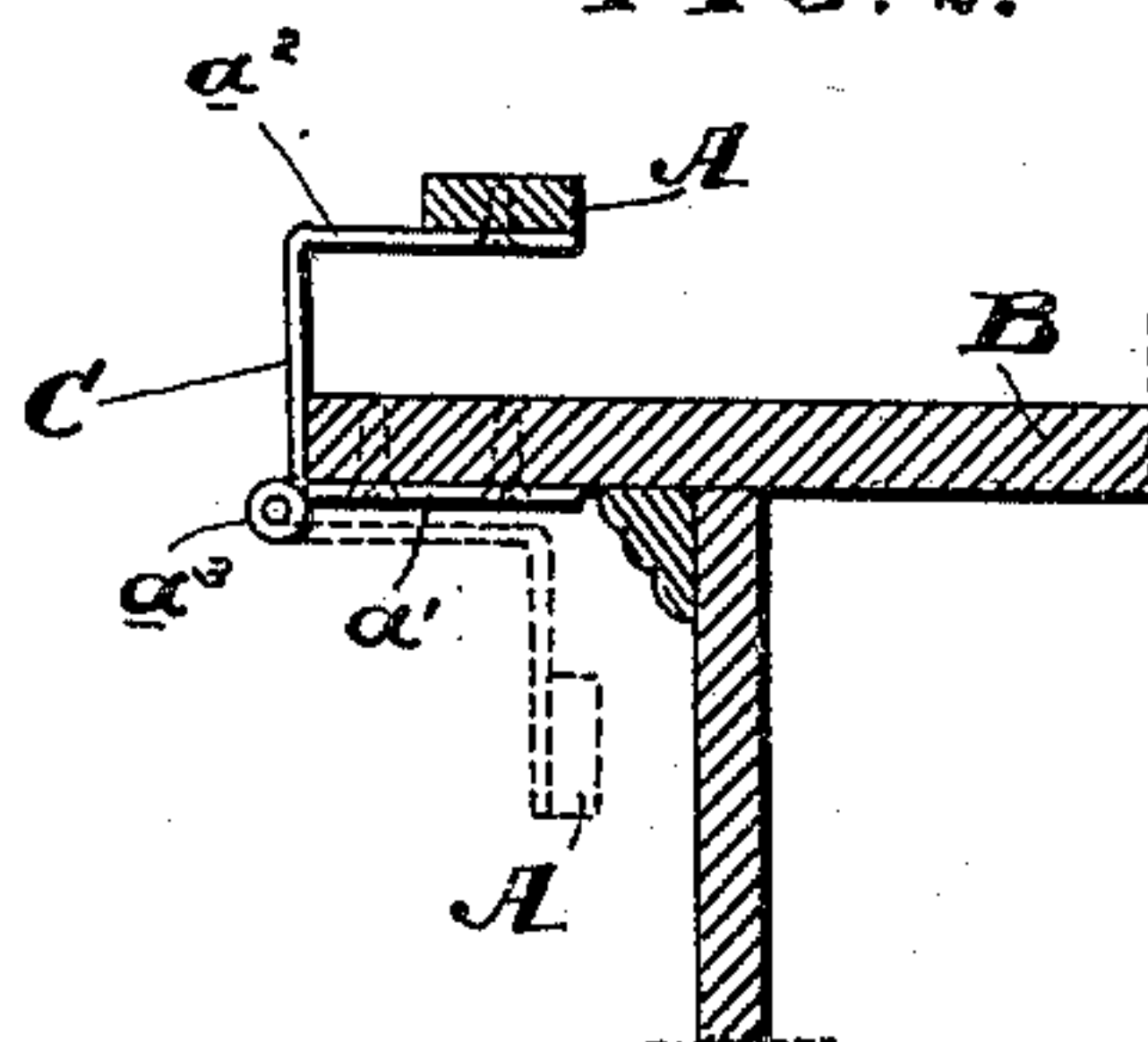


FIG. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ISIDORE BIRGÉ, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO THOMAS B. WANAMAKER, OF SAME PLACE.

SCALE-MEASURE.

SPECIFICATION forming part of Letters Patent No. 434,911, dated August 26, 1890.

Application filed January 27, 1890. Serial No. 338,304. (No model.)

To all whom it may concern:

Be it known that I, ISIDORE BIRGÉ, of the city of Philadelphia and State of Pennsylvania, have invented a certain new and useful
5 Improvement in Movable Measuring-Sticks; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming part of this specification.

10 My invention has relation to measuring devices for counters; and it consists in a movable yard-stick or measure secured to and movable on a counter or stand.

The object of my invention is to provide a
15 ready movable measure which may be secured firmly in position above the counter, or turned under the counter out of the way when not in use, as desired.

20 In the accompanying drawings similar letters of reference refer to similar parts throughout.

Figure 1 is a perspective view of the counter with my improved attachment secured thereto adjusted in position ready for use.
25 Fig. 2 is a cross-sectional view on the line $x x$, Fig. 1, showing in dotted lines the position of the movable measure when not in use and shifted underneath the counter.

A represents the movable measure secured
30 by hinge C to the under side of the counter B. I preferably employ a hinge constructed as shown in the drawings, having the plate a' , secured to the under side of the counter, and the upper plate a^2 , bent in an L-shape, secured to the under side of the measuring-
35 stick and pivoted to the fixed plate a' by the hinge-joint a^3 . Other forms of connection for adjusting the measuring-stick above and below the counter at will may, however,
40 be employed, as I do not limit myself to the particular form of hinge-joint shown.

When it is desired to adjust the measuring-stick for use, it is thrown into position above the counter, as shown in Figs. 1 and 2, and
45 when it is not in use it is shifted by a simple movement of the hand into position, as shown by the dotted lines in Fig. 2, underneath the counter. The counter is thus cleared of the obstruction, and yet the measuring-stick may
50 be moved to a steady fixed position above the counter at any moment by a single movement

of the hand. The stick A is retained in the position shown in Fig. 2 by a tight joint a^3 , or by the plates a^2 being slightly drawn toward or from each other when secured to the stick
5 A. The measuring-stick A, being slightly elevated above the counter B when in its raised position, facilitates the measuring of the goods and renders possible a much more accurate
60 measurement than when the measuring-scale is on a level with the counter by allowing the goods to be grasped in the fingers at the exact ends of the measure, the hand being depressed below the measuring surface. Thus
65 the goods are accurately and rapidly measured and transferred from end to end of the measuring-stick in the process of measurement.

My invention, in addition to the other features of the readily-movable measuring-stick, hereinbefore set forth, possesses also
70 the merits and advantages of a fixed measure elevated above the surface of the counter.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—
75

1. In combination with a counter or stand, a movable measuring-arm secured movably to the said counter or stand by means substantially as described, and adapted to be elevated above the level of the counter or stand
80 when in use and dropped or depressed underneath the same when not in use by means of its connection with the said counter or stand, in the manner and for the purpose substantially as hereinbefore set forth and described. 85

2. In combination with a counter or stand, a movable measuring-stick secured movably to the said counter or stand on elbows or arms hinged to said counter or stand, which said measuring-stick may be elevated and secured
90 at will above the level of said counter or stand, or rotated on said arms underneath said counter or stand, by means and in the manner substantially as hereinbefore set forth and described. 95

3. In combination with a counter or stand B, the movable measuring-stick A, hinges C, pivoted at one end to said counter or stand B, and having the stick A secured at or near the other end, said stick A in being elevated above
100 or depressed below said counter or stand B describing on the hinges C a segment of a

circle, in the manner substantially as hereinbefore set forth and described.

4. A movable measuring-stick A, hinge C, having plates a' and a^2 , hinged at a^3 by a pin
5 or otherwise, in combination with a counter or stand B, said plate a' secured to the under side of said counter or stand B, and the stick A secured to the upper end of said plate a^2 , adapted to be elevated above or depressed

below said counter or stand B on the said plate a^2 , in the manner and by the means substantially as hereinbefore set forth and described.

In witness whereof I have hereunto set my hand this 9th day of January, A. D. 1890.

ISIDORE BIRGÉ.

Witnesses:

CHAS. B. KEEN,

LAURA KOEHNLEIN.