J. BROWN, Jr.

Cloth Measure Register.

No. 166,964. Patented Aug. 24, 1875.

Fig. 1

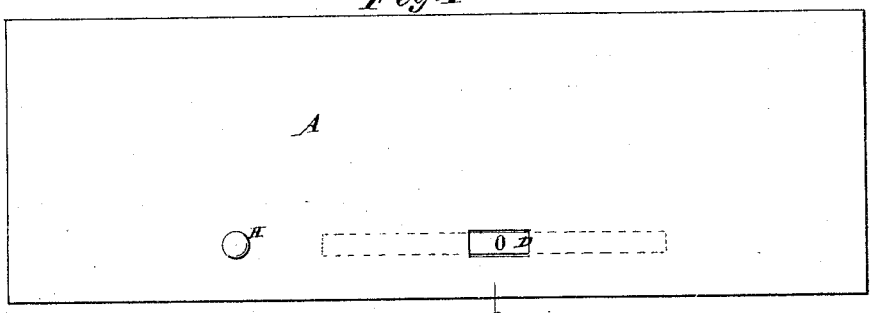


Fig. 2

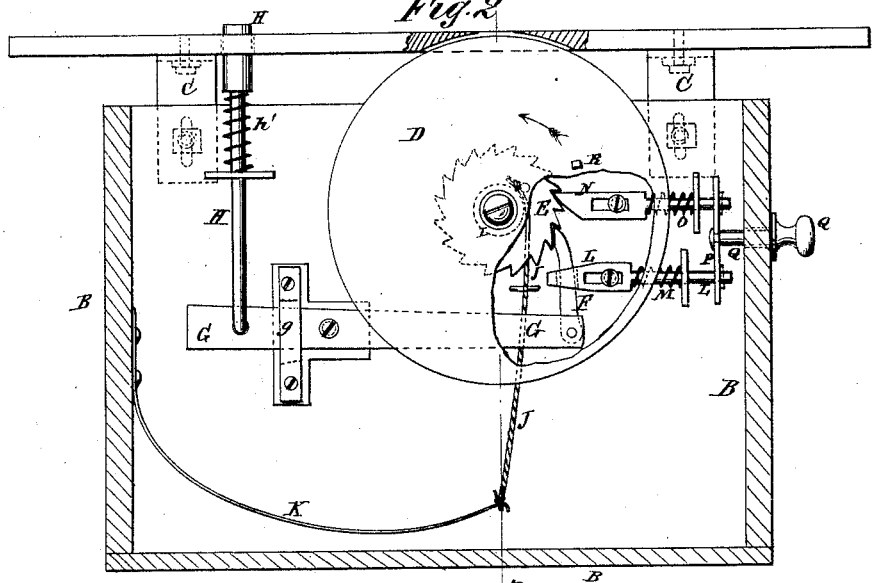
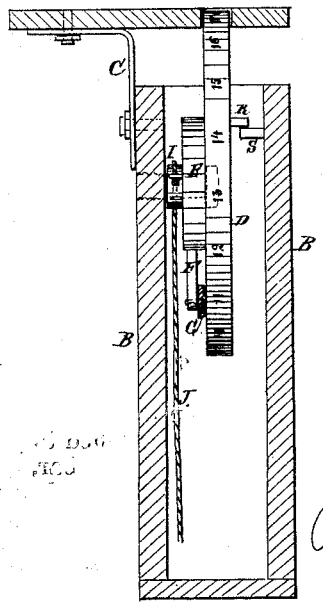


Fig. 3



WITNESSES:

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UNITED STATES PATENT OFFICE.

JAMES BROWN, JR., OF MATTEAWAN, NEW YORK.

IMPROVEMENT IN CLOTH-MEASURE REGISTERS.

Specification forming part of Letters Patent No. **166,964**, dated August 24, 1875; application filed July 31, 1875.

To all whom it may concern:

Be it known that I, JAMES BROWN, Jr., of Matteawan, in the county of Dutchess and State of New York, have invented a new and useful Improvement in Cloth-Measure Register, of which the following is a specification:

Figure 1 is a top view of a portion of a store-counter, to which my improvement has been applied. Fig. 2 is a side view of my improved machine, the case being shown in section, and parts being broken away to show the construction. Fig. 3 is a vertical cross-section of the same, taken through the line *x x*, Fig. 2.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved machine for attachment to a store-counter, to register the number of yards of cloth, or any other flexible material sold by the yard, measured off, so that the clerk can always know exactly how many yards he has measured, and will not be under the necessity of remeasuring the goods one or more times should the purchaser persist in talking to him, and which shall be simple in construction and accurate in operation.

The invention consists in the combination of the register-wheel, the ratchet-wheel, the push-pawl, the lever, the push-rod and its spring, the drum cord and spring, the guard and spring, the stop-pawl and spring, the cross-bar, and the pull-rod, with each other and with the case, to adapt the device to be attached to a store-counter, as hereinafter fully described.

A represents a portion of a store-counter. B is a case in which the operating parts of the machine are placed, and which is connected with the under side of the counter A by adjustable brackets C. To and between the sides of the case B is pivoted a wheel, D, in such a position that its upper part may enter a cavity in the under side of the counter A, and show through a short slot in said counter. To the hub of the wheel D is attached a ratchet-wheel, E, in which are formed twenty-five, more or less, teeth, with which the pawl F engages. The pawl F is pivoted to the end of a lever, G, which is pivoted to the side of the case B, and passes through a guide-keeper, *g'*, attached to the case B, to keep it from lateral movement. To the other end of the lever G is pivoted the lower end of the push-rod H, which passes up through a guide-eye attached to the case B, and its upper end passes through a hole in the counter A, and projects a little above said counter, so as to serve as the stop at one end of the yard-measure. The push-rod H is raised after being depressed, and is held up by a spring, *h'*, coiled around it. The upper end of the spring *h'* rests against a shoulder upon the rod H, and its lower end rests against the guide-eye through which said rod H passes. Upon the hub of the wheel D is formed, or to it is attached, a small spool or drum, I, to which is attached, and around which is wound, the cord J. The other end of the cord J is attached to the end of the spring K, the other end of which is attached to the case B. The pawl F is held against the teeth of the ratchet-wheel E by the guard L, through which it passes, and which is held forward by a spring, M, placed upon its outer part. The guard L is secured to the case B by a screw which passes through a longitudinal slot formed in it, or by keepers, or by both, so that it can be drawn outward to withdraw the pawl F from the ratchet-wheel E. N is a stop-pawl, which is held forward against the teeth of the ratchet-wheel E by a coiled spring, O, placed upon its outer part, and which is designed to prevent the wheel D from being turned back by the friction of the pawl F when drawn back. The stop-pawl N is secured to the case B by a screw which passes through a longitudinal slot formed in it, or by keepers, or by both, so that it can be drawn outward to withdraw it from the ratchet-wheel E when desired. The outer ends of the guard L and stop-pawl N pass through holes in the end parts of a cross-bar, P, and have pins, keys, or nuts attached to them upon the outer side of said cross-bar, so that they both may be drawn outward to allow the wheel D to be turned back by the spring K, while each may be free to move outward independently of the other. To the center of the cross-bar is attached the inner end of a rod, Q, that passes out through the end of the case B, and has a knob or other handle attached to its outer end for convenience in operating it. Upon the face

of the wheel D are formed as many numbers as the ratchet-wheel E has teeth, beginning with zero and following their consecutive order. To the wheel D is attached a stop-pin, R, which strikes against a corresponding stop-pin, S, attached to the case B, to prevent the wheel D from being turned any farther back than to bring the zero beneath the slot in the counter A, and to prevent the said wheel from being turned so far forward as to bring the zero a second time beneath the hole in the counter A.

In using the machine the rod Q is drawn outward, withdrawing the pawls F N from the ratchet-wheel E, which allows the wheel D to be turned back by the spring K until the zero stands opposite the hole in the counter A. The goods are then measured, and as each yard is measured the rod H is pressed downward, which turns the wheel one notch, so that, whenever the clerk stops measuring, the figure that shows through the hole in the counter will tell the exact number of yards measured.

By this construction the clerk can continue to converse with the customer without any danger of losing count of the number of yards measured.

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

The combination of the register-wheel D, the ratchet-wheel E, the push-pawl F, the lever G, the push-rod and spring H *h'*, the drum, cord, and spring I J K, the guard and spring L M, the stop-pawl and spring N O, the cross-bar P, and pull-rod Q, with each other and with the case A, to adapted the device to be attached to a store-counter, substantially as herein shown and described.

JAMES BROWN, JR.

Witnesses:

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