(No Model.)

J. H. HOLBROOK.

TWINE REEL.

No. 457,082. Patented Aug. 4, 1891.

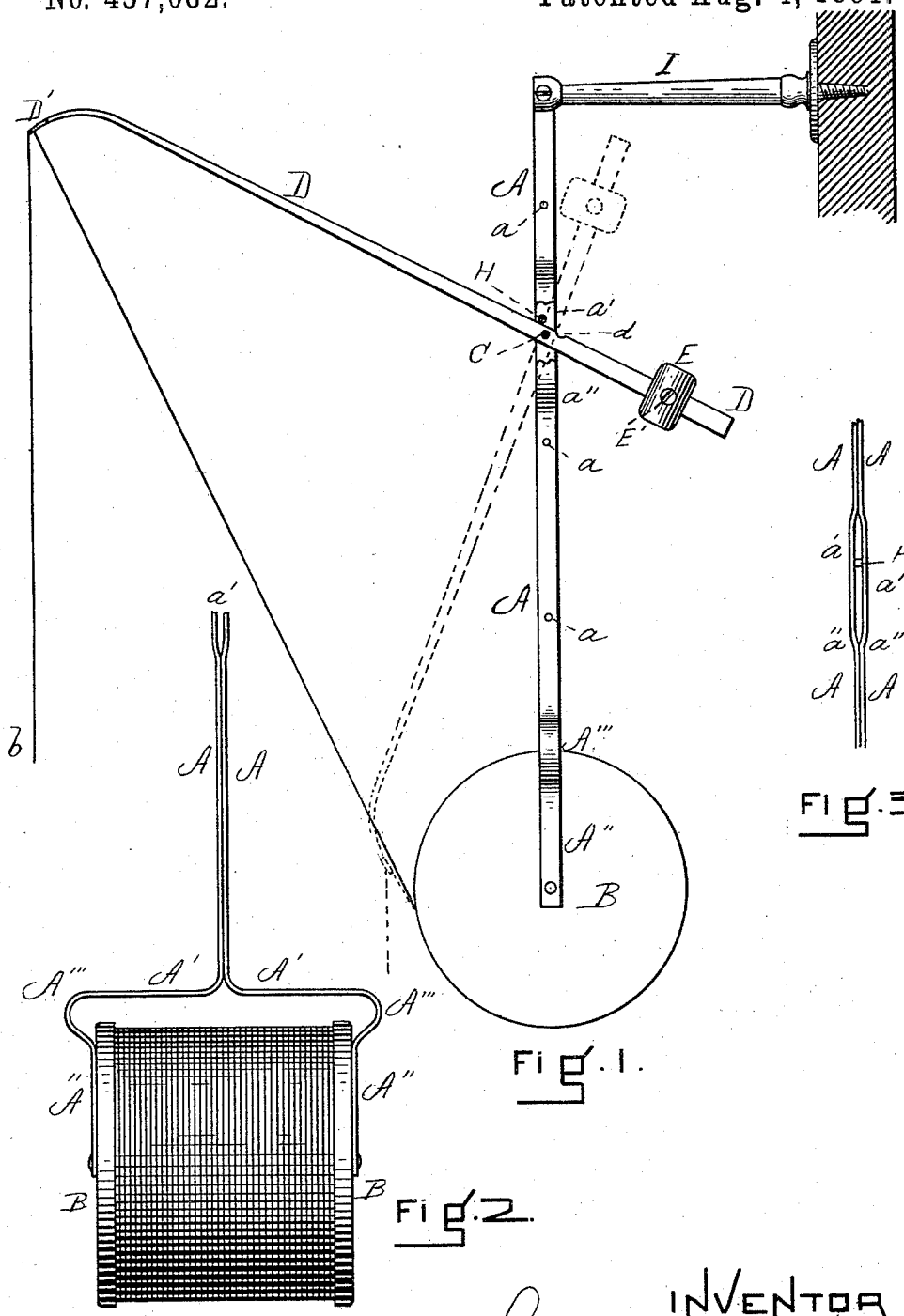


Fig. 1.

Fig. 2.

Fig. 3

WITNESSES

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JAMES H. HOLBROOK, OF BOSTON, MASSACHUSETTS.

TWINE-REEL.

SPECIFICATION forming part of Letters Patent No. 457,082, dated August 4, 1891.

Application filed April 8, 1891. Serial No. 388,160. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. HOLBROOK, of Boston, in the county of Suffolk and State of Massachusetts, have invented new and useful Improvements in Twine-Reels, of which the following is a specification.

This invention relates to twine-reels or twine-holders such as are used in stores, shops, &c., and the nature of the device is fully described below and illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of my improved twine-reel or twine-holder secured to a vertical wall and with a bobbin of twine in position. Fig. 2 is an enlarged front elevation of a portion. Fig. 3 is an enlarged detail in front elevation.

Similar letters of reference indicate like parts.

A A represent a pair of vertical metallic bars secured together by rivets *a*. The bars are spread apart at *a'* and meet again at *a''*, and at A' they are bent apart at right angles and are then bent into parallel positions A'', and at their ends A''' support a bobbin B of twine, which is constructed as usual—*i. e.*, spool-shaped. The metallic bars A A are curved outward, as shown at A''', in order to afford spring to the parts A'', which are caused to lie against the sides of the bobbin, thus providing a tension at those points and serving to check the rotation of the bobbin after it has been set in motion by pulling at the twine.

Pivotally secured between the bars A A at their spread portions *a'* by means of the pivot C is the lever or sweep D. Its short arm is provided with a weight E, which is adjustably secured thereto by a set-screw E', and its long arm terminates in a loop D'. The movement of the sweep D is limited by the stop-pin H, and the sweep is preferably recessed at *d* to allow a greater dip.

The device may be suspended from the ceiling or from a bracket or hook, as I, screwed into a wall.

In practical operation the end of the twine from the bobbin B is passed through the loop D' at the end of the long arm of the sweep or lever D, and the weight E on the short arm is placed so as to slightly outweigh the twine end and keep the looped end of the sweep at its highest point—*i. e.*, in the position shown in full lines in Fig. 1. When a piece of twine is wanted, the pull on the end *b* draws the long arm of the sweep D down into the position shown in broken lines in Fig. 1, and the twine having been cut or broken off the sweep returns by gravity into the position shown in full lines in Fig. 1. Thus, whenever the twine is not being used and as soon as it is broken off, the sweep swings up and carries the twine end high up out of the way. As soon as the pull on the twine ceases the rotation of the bobbin is stopped by the tension of the parts A'', above described, so that the twine end *b*, carried up by the sweep, is not unduly long. Thus the twine is always out of the way until it is wanted, when it is easily accessible. In stores and shops having many parcels to be done up these points are very important, as much time is saved.

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

The herein-described twine-reel or twine-holder, consisting, essentially, of the vertical bars A A, spread apart at *a'* to receive the sweep and bent at A' into the shape shown at A'' to receive the bobbin and to provide a tension by pressure upon the sides thereof, the sweep or lever D, pivoted at C to said bars A and having one arm weighted, as shown, and the other arm provided with a loop for the end of the twine from the bobbin, and the stop H, substantially as described.

JAMES H. HOLBROOK.

Witnesses:

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