

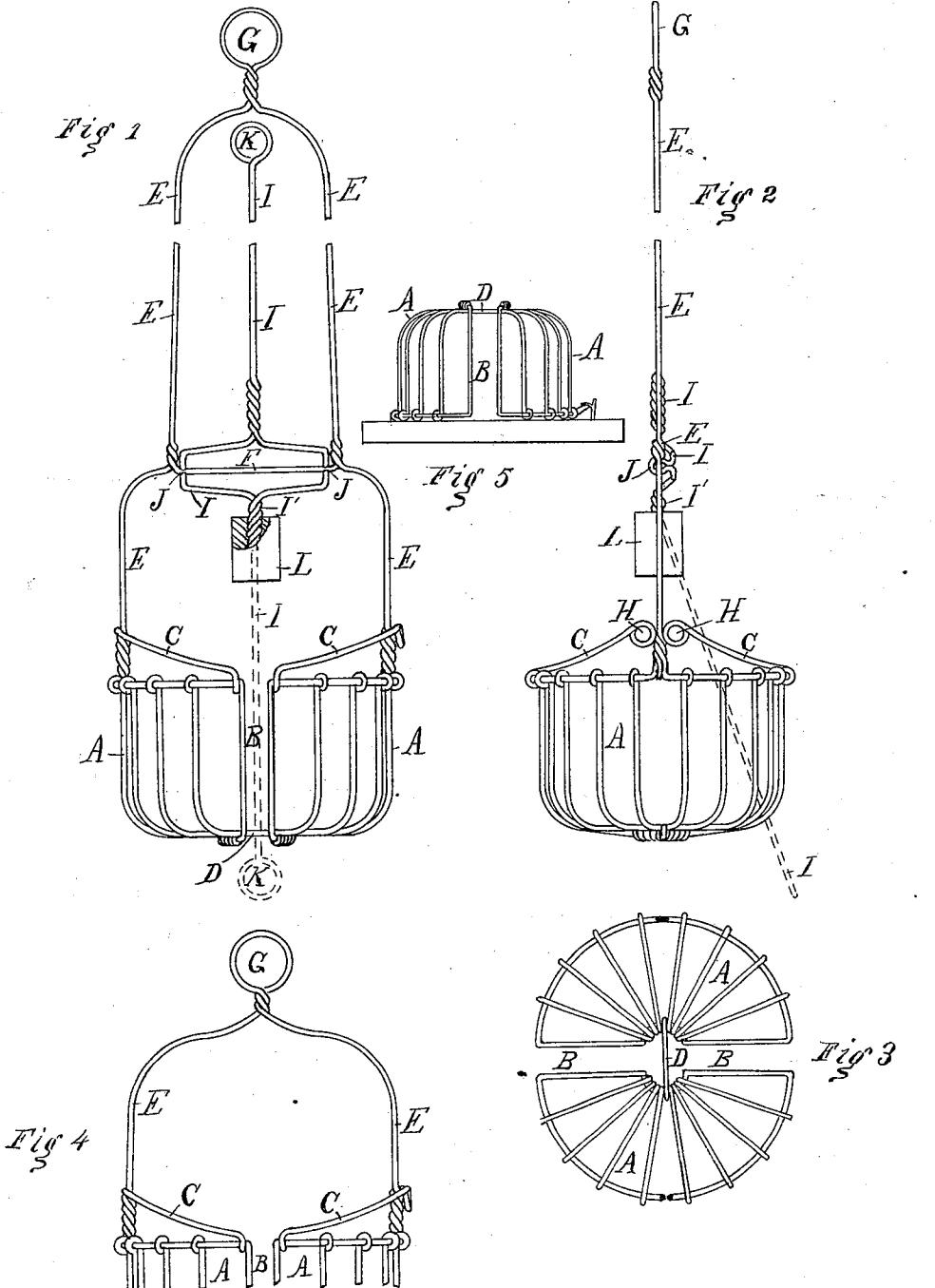
(No Model.)

W. B. BISBEE & G. D. DUDLEY.

TWINE HOLDER.

No. 282,696.

Patented Aug. 7, 1883.



WITNESSES -

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UNITED STATES PATENT OFFICE.

WISNER B. BISBEE AND GEORGE D. DUDLEY, OF LOWELL, MASSACHUSETTS;
SAID DUDLEY ASSIGNOR TO FREDERICK TAYLOR, OF SAME PLACE.

TWINE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 282,696, dated August 7, 1883.

Application filed January 18, 1883. (No model.)

To all whom it may concern:

Be it known that we, WISNER B. BISBEE and GEORGE D. DUDLEY, citizens of the United States, residing at Lowell, in the county of Middlesex and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Twine-Holders, of which the following is a specification.

Our invention relates to means of guiding and introducing the twine into the holder, means of taking up the slack of the twine, means of adjusting the weight of the take-up, means of attaching and detaching the take-up and of reversing the same, and means of supporting such twine-holder.

In the accompanying drawings, Figure 1 is a front or back elevation of the holder and take-up, both back and front being alike; Fig. 2, an elevation of either side of the same; Fig. 3, a plan of the holder without its hanger; Fig. 4, a front or back elevation of the upper part of the holder without the take-up; Fig. 5, a front or back elevation of the holder without the hanger or take-up, and placed in a reverse position upon a base for use upon a table or counter.

A is a basket, formed, preferably, but not necessarily, of wire, and having one or more slots B reaching from the edge of the open or 30 large end to a point at or near the center of the closed end. The end of the twine having been drawn out a short distance from the ball, and the ball having been thrown into the basket A over the slotted side of the same, the 35 twine can readily be drawn to the bottom or closed end of the slot B, which thus serves as a delivery-eye and saves the time and trouble required to pass the twine through the closed eye commonly used. If two such slots, B, on 40 opposite sides of the basket, are used, the ball of twine may be put into the basket from either side. On each side of each slot B is an inclined guide, C, leading to such slot to direct the twine, as it is drawn against the edge of 45 the basket or holder, into the nearest slot. If two opposite slots, B, are used, the bar D separates the slots and connects the halves of the basket and prevents their spreading apart. The basket is provided with a hanger or arched 50 handle, E, Fig. 4, provided with a ring, G, by which it may be suspended in the usual man-

ner from a hook or eye in the ceiling. The holder may also be supported by screws or nails passing through the eyes H H, formed on the edge of said holder. When the take-up is 55 used, a horizontal bar, F, is secured to the hanger E, and the hanger is made long enough to allow the long arm of the lever I, pivoted to the bar F, to swing under it, (see Fig. 1,) said lever being provided with slotted spring-eyes 60 J J—that is, eyes which have an opening on one side narrower than the diameter of the bar F—so that said eyes J J, being crowded against said bar, they will open to admit it and then close again, and so that they may be 65 drawn from said bar readily when it is not desired to use the take-up. The lever I has at the end of its longer arm an eye, K, through which the twine is drawn from a ball of twine in the basket A, and has on its lower end a 70 weight, L, intended to be sufficient to keep said lever in an upright position when there is no pulling upon the end of the twine. In order that the weight may be just sufficient for this purpose, the lower end of the lever is provided with a screw, I', and the weight is 75 provided with an internal thread, so that the distance of the weight from the fulcrum-bar F may be varied to give the weight a greater or less leverage, according as the twine used is 80 heavier or lighter.

The basket being suspended in the usual way and the ball of twine placed in said basket, and the end of the twine being passed through the eye K, if the end of the twine be 85 pulled the long arm of the lever I will be depressed down into a slot, B, before the twine unwinds from the ball, and when a sufficient length of the twine has been broken off the long arm of said lever will rise and lift the end of 90 the twine up out of the way or off from the counter or table upon which the twine is used to tie up bundles. Hence, the weight must be so adjusted as not to overcome the friction of the twine upon the eye K.

The basket without the hanger may be supported upon a suitable base and used upon a counter as a twine holder, in this case the open end of the basket being next the base. (See Fig. 5.)

We claim as our invention—
1. A twine holder or basket, a, slotted from

its open end to a point at or near its closed end, as and for the purpose specified.

2. A twine holder or basket, A, slotted from its open end to a point at or near the center of 5 its closed end, and provided with inclined guides C, as and for the purpose specified.

3. A twine holder or basket, A, having slots B on opposite sides thereof, extending from the open end to the delivery end of said basket, 10 and having a bar which separates said slots and connects the halves of said basket, as and for the purpose specified.

4. The combination of the twine-holder A, provided with a hanger, E, and the lever I, 15 pivoted to said hanger, and provided at one end with an eye, K, and at the other end with a weight, L, as and for the purpose specified.

5. The combination of the twine-holder A, provided with one or more slots B, and the 20 hanger E, and the lever I, pivoted to said hanger, and provided with an eye, K, and weight L, as and for the purpose specified.

6. The combination of the twine-holder A, 25 the lever I, provided with an eye, K, and the weight L, and means of adjusting the distance of said weight from the fulcrum of said lever, as and for the purpose specified.

7. The combination of the twine-holder A, the lever I, provided with an eye, K, and a screw, I', and the weight L, having an internal screw-thread, as and for the purpose specified. 30

8. The combination of the holder A, provided with the fulcrum F and the lever I, detachably attached to said fulcrum, as and for 35 the purpose specified.

9. The combination of the holder A, provided with the fulcrum-bar F, and the lever I, having the slotted spring-eyes J J, as and for 40 the purpose specified.

10. The twine-holder A, provided with the attaching-eyes H H, as and for the purpose specified.

11. The twine-holder A, in combination with the reversible take-up, as and for the purpose 45 specified.

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