

No. 671,985.

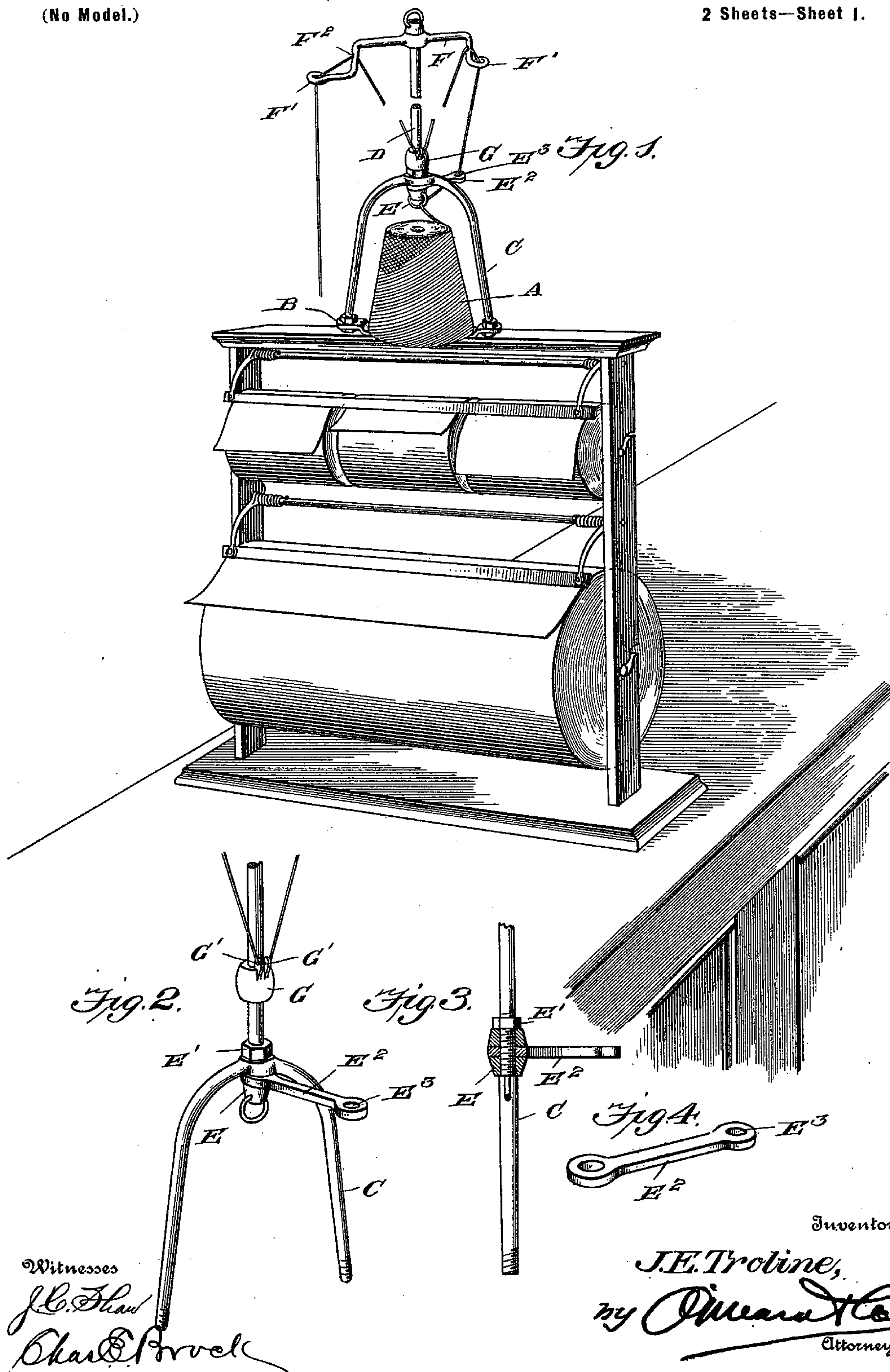
Patented Apr. 16, 1901.

J. E. TROLINE.
TWINE HOLDER.

(Application filed Mar. 30, 1899. Renewed Oct. 17, 1900.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses

J. C. Shaw
Chas. C. Brock

Inventor

J. E. Troline,
by *Oliver & Co.*
Attorneys

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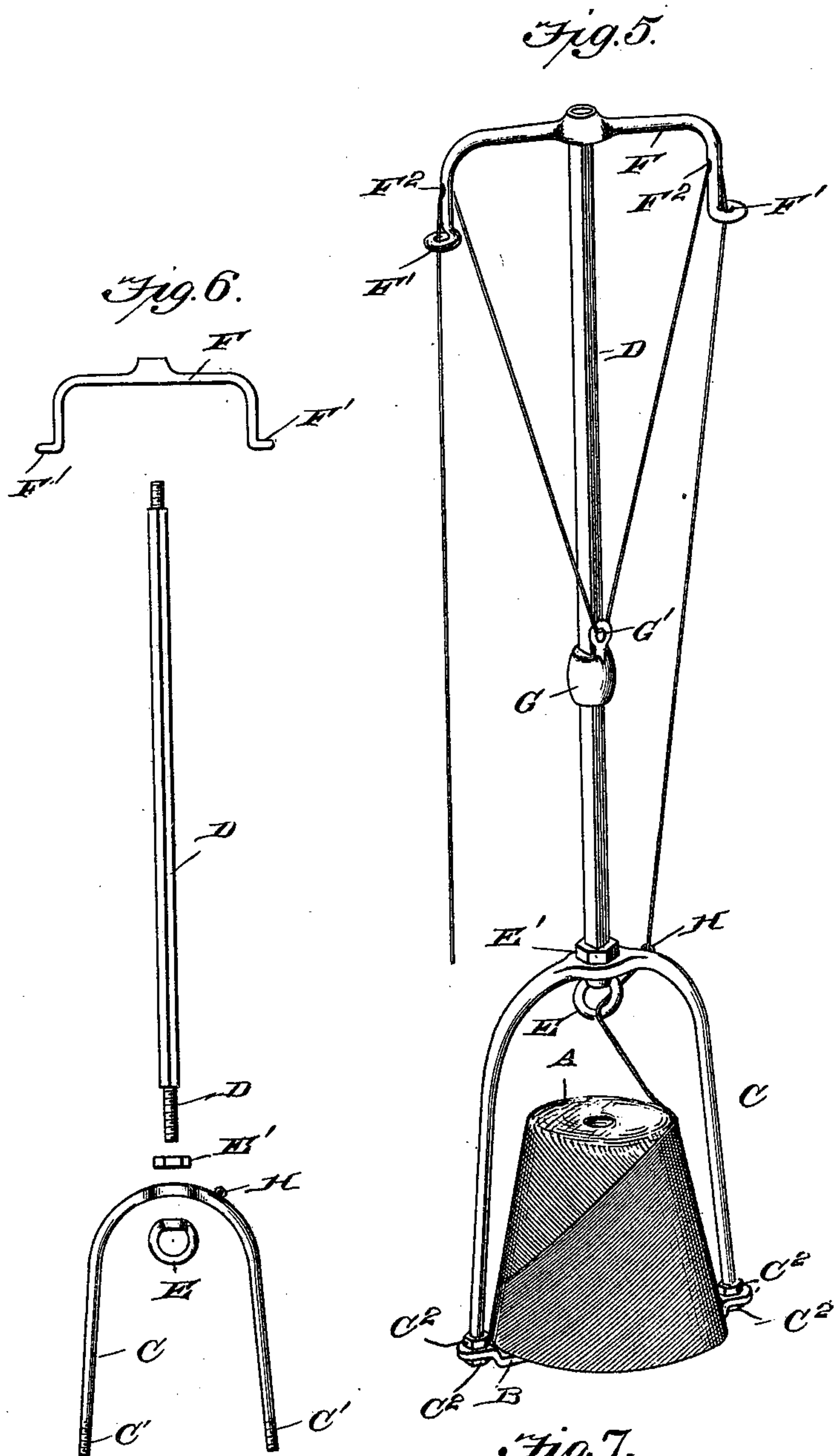
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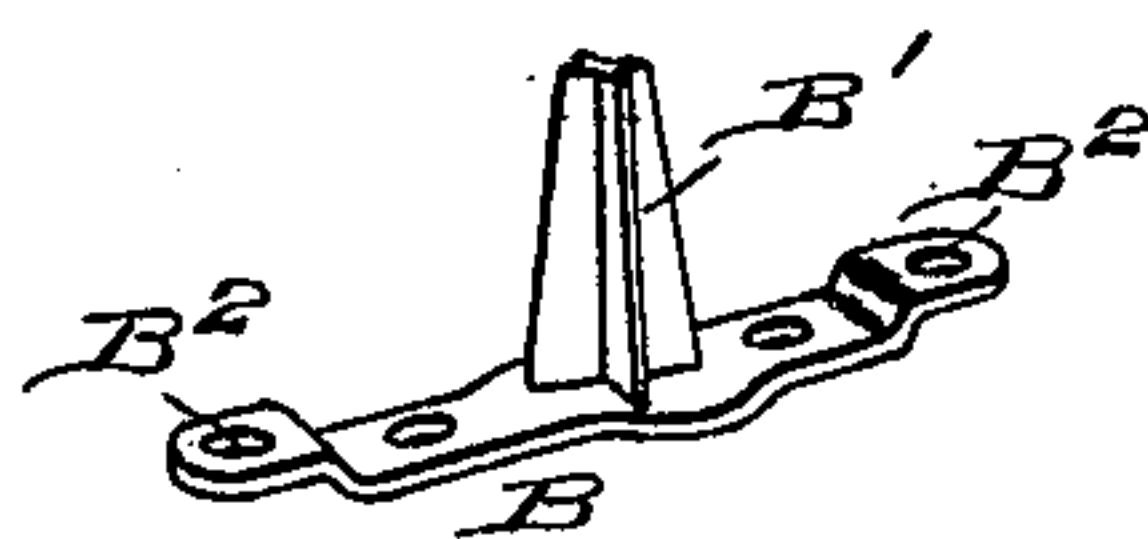
(No Model.)

2 Sheets—Sheet 2.



Witnesses

J. E. Shaw
Chas. Brock



Inventor

J. E. Troline,
by *William C. [Signature]*
Attorney

UNITED STATES PATENT OFFICE.

JOHN E. TROLINE, OF GILMAN, ILLINOIS, ASSIGNOR OF ONE-FOURTH TO
HILDA TROLINE, OF SAME PLACE.

TWINE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 671,985, dated April 16, 1901.

Application filed March 30, 1899. Renewed October 17, 1900. Serial No. 33,403. (No model.)

To all whom it may concern:

Be it known that I, JOHN E. TROLINE, a citizen of the United States, residing at Gilman, in the county of Iroquois and State of Illinois, have invented a new and useful Twine-Holder, of which the following is a specification.

This invention relates generally to twine-holders, and more particularly to one adapted for use upon a store-counter, also suspended from ceiling or rod, the object being to provide a device which is cheap and simple in construction and from which the twine can be easily unwound and the slack taken up after the bundle has been tied and the twine broken.

The invention is designed to be used in connection with the pyramidal form of twine ball; but I have also adapted the essential features of the invention for use in connection with the ordinary ball of twine.

The invention consists in certain details of construction and novelties of combination, all of which will be fully described herein-after and pointed out in the claims.

In the drawings, forming part of this specification, Figure 1 is a perspective view of my holder applied to a paper-roll holder. Fig. 2 is an enlarged detail view of the arch end of standard and guide-arm. Fig. 3 is a detail sectional view of the connection between said parts. Fig. 4 is a detail view of the guide-arm. Fig. 5 is a perspective view of a twine-holder adapted for counter use. Fig. 6 is a detail view of the cross-arm, standard, and portion of holder detached. Fig. 7 is a detail perspective view of the base of the holder.

In carrying out my invention I employ a suitable holder within which a ball of twine A is arranged, said holder consisting of the base-plate B, having a cross-shaped prong B' extending upwardly from the center thereof and upon which the ball of twine is placed, said prong being made cross-shaped to prevent rotation of the twine. Each end of the base-plate is perforated, as shown at B², through which are passed the threaded ends C' of the arch C, said arch being connected with the base by means of the nuts C², the base being struck up at each end to permit this. A vertical standard D is connected to

the upper end of the arch of the holder, the lower end D' of said standard being reduced and passed through an aperture in the said arch, a ring-nut E being screwed upon the lower end of the standard upon the innerside of the arch, and the jam-nut E' is arranged upon the upper side of the said arch. A guide-arm E² may also be secured upon the end of standard D between the top of arch and nut E, as shown in Figs. 1, 2, and 3, the outer end of said arm having a hole E³, through which the twine is passed. By adjusting the guide-arm and the ring-nut so as to stand at a greater or less angle relatively to each other and clamping them there by means of the jam-nut the cord will be compelled to pass through the ring-nut with greater or less friction, thereby permitting my holder to be used with different-sized twine or twine having different flexibility. A cross-arm F is secured upon the upper reduced and threaded end of the standard D, said cross-arm having eyes F' formed at each end, and adjacent to the said eyes F' are the guide-openings F², produced in the depending portions of the cross-arm, as most clearly shown in Figs. 1 and 5. The standard D may be square or round in cross-section, and sliding thereon is a weight G, having an eye G' arranged upon the upper side thereof, and it will of course be understood that the standard G is made square in order to prevent the weight revolving upon the same, as the twine will become twisted about the standard in case the weight should revolve. In Figs. 1 and 2 I have shown the weight provided with two eyes G' G' to prevent rotation on the round standard. Another guide-eye H is arranged upon one side of the arch of the holder, Figs. 5 and 6, and through which the twine passes after having first been passed through the ring of the nut E, while in Figs. 1 and 2 it passes through guide-arms E². The end of the twine is then continued up through the eye F' upon the right-hand side, as shown in Fig. 1, through the opening F², then through the guide-eye G', carried upon the weight G, back through the opposite opening F², and down through the eye F' upon the left. The end of the twine hangs downwardly from the left eye F', and whenever it is desired to unwind the

twine it is simply drawn through the guide-eyes before referred to, and during such operation the weight will be elevated to a point so that its eye will be in line with the apertures F², and after the bundle has been wrapped and the twine broken the end is released, and the weight in descending will take up the slack of the guide and elevate the free ends above the counter, so that all danger of said end becoming entangled with anything upon the counter is entirely avoided.

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

1. In a twine-holder, the combination with a base provided with an angular projection, of an arch secured at its ends to the ends of the base, a standard, the ends of which are reduced and screw-threaded, a jam-nut and a ring-nut upon the standard above and below the top of the arch respectively, a guide-arm between the ring-nut and the arch, a

cross-arm at the top of the standard, the ends of which are dependent and each provided with an eye and a guide-opening, and a sliding weight upon the standard and provided with a guide-eye, substantially as described.

2. In a twine-holder, the combination with a base provided with means for holding a ball of twine, of an arch secured at its ends to said base, a standard projecting from the top of the arch, the top of which is provided with arms, said arms being each provided with a guide-eye, a sliding weight on the standard provided with a guide-eye, a ring-nut on the lower end of the standard, a guide-arm adjustably secured at one end to the standard between the nut and the arch, and a jam-nut on the standard above the arch, substantially as described.

JOHN E. TROLINE.

Witnesses:

EDGAR WARD,
GEO. L. JANES.