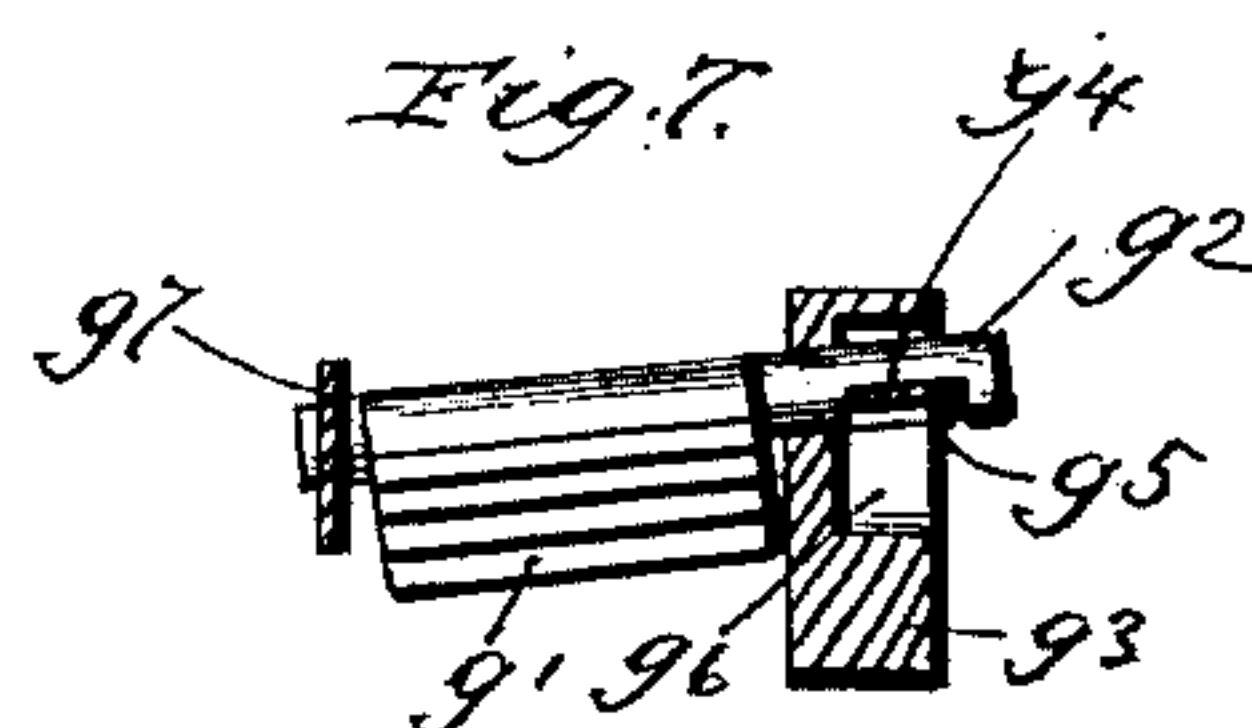
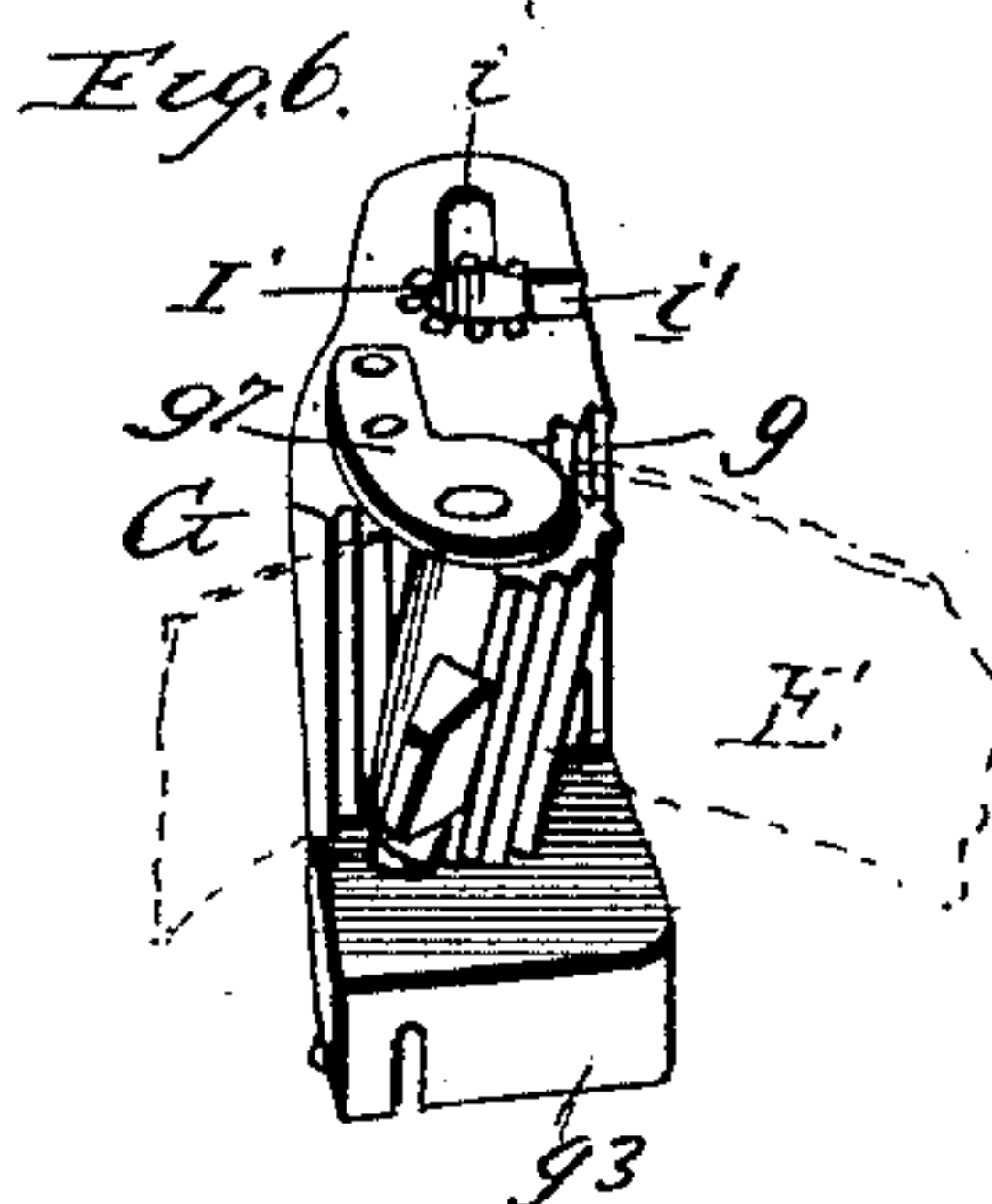
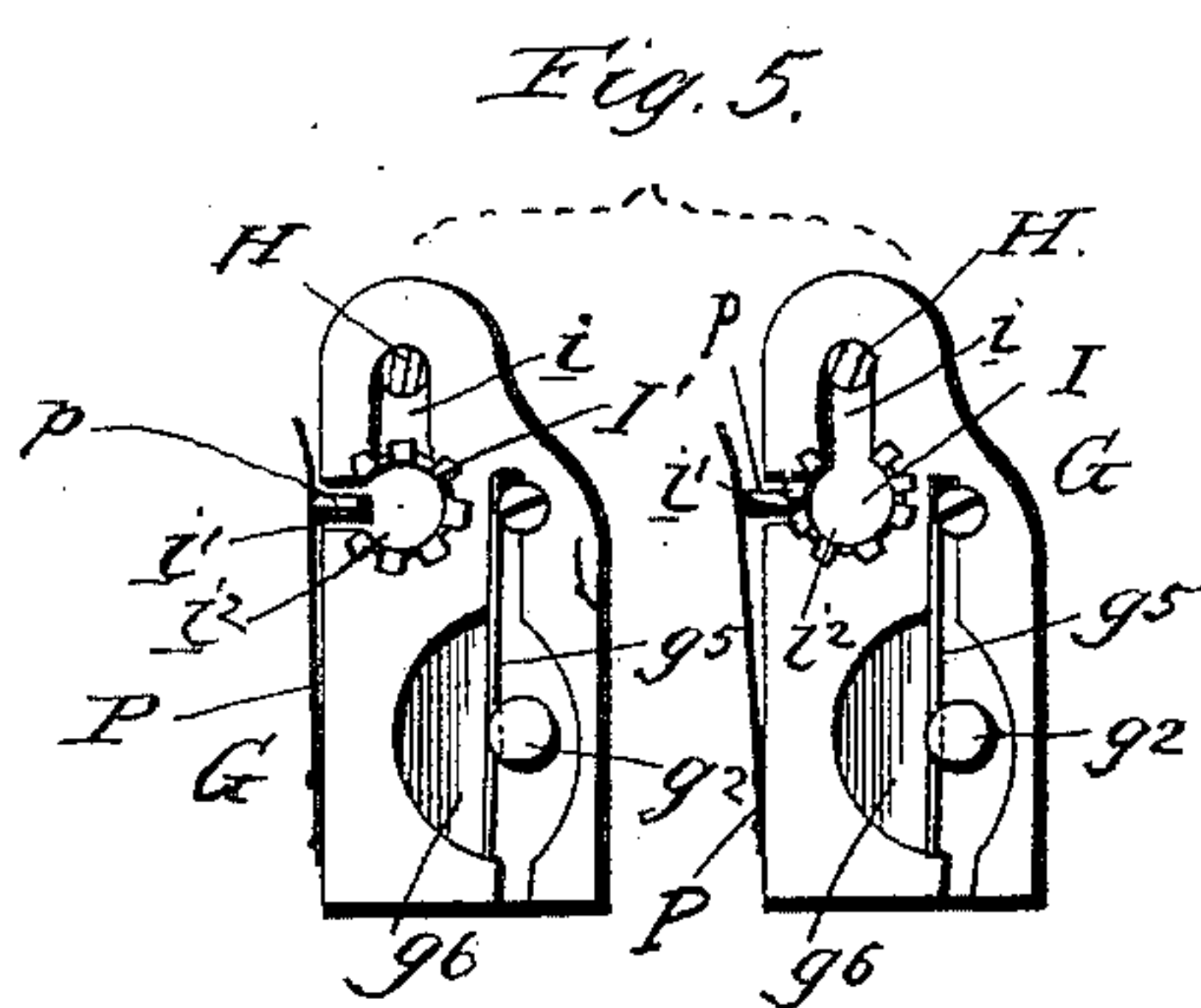
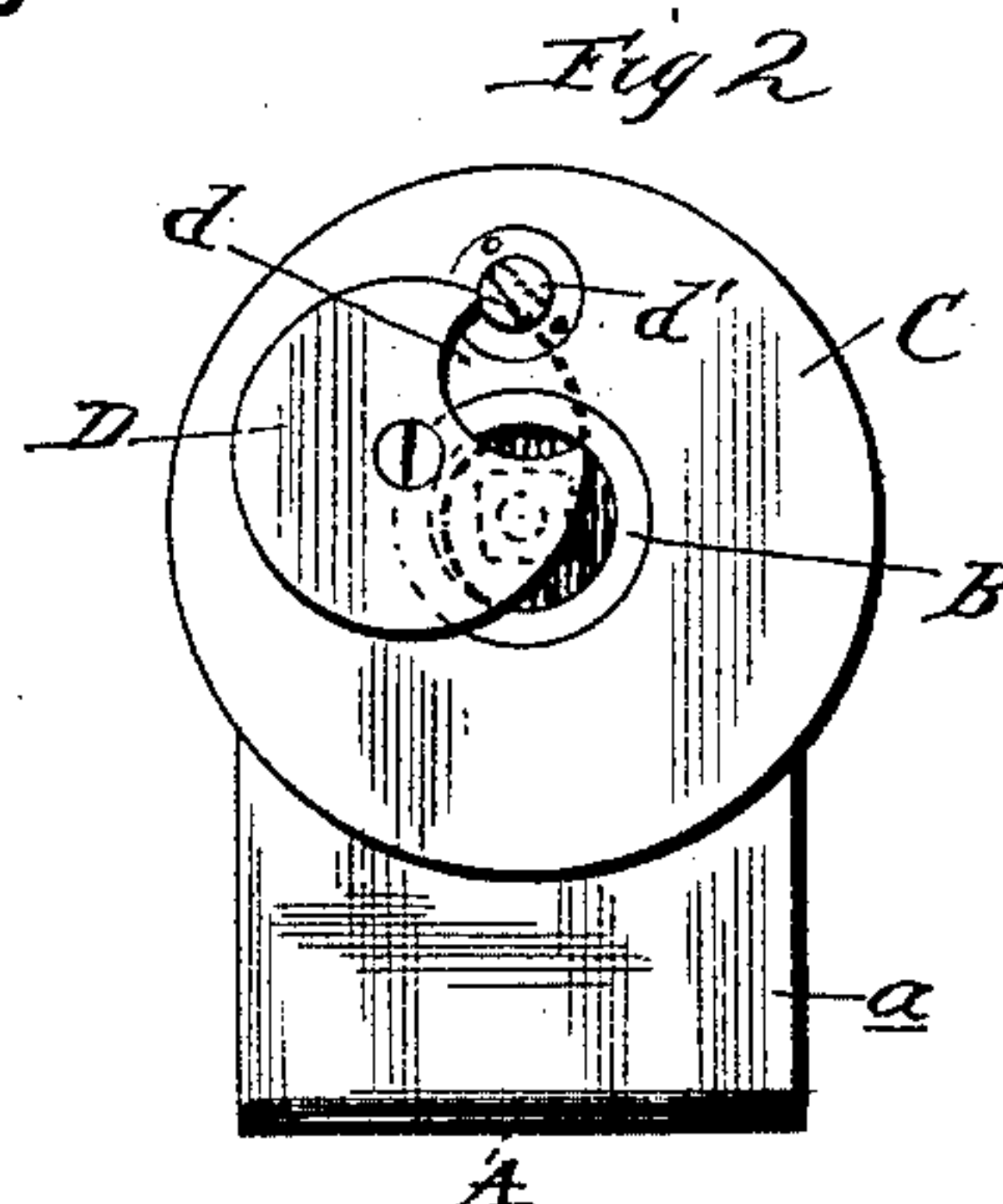
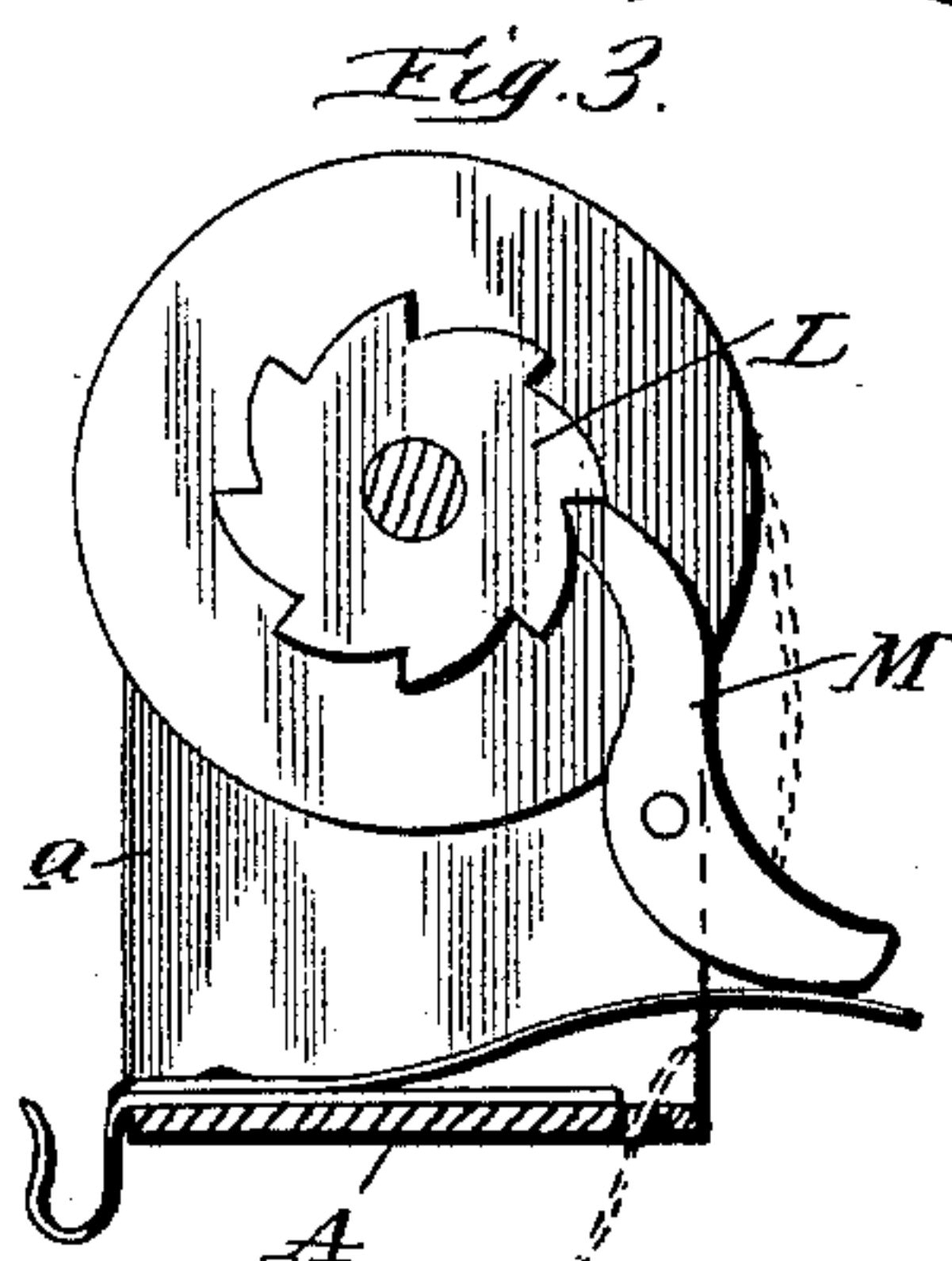
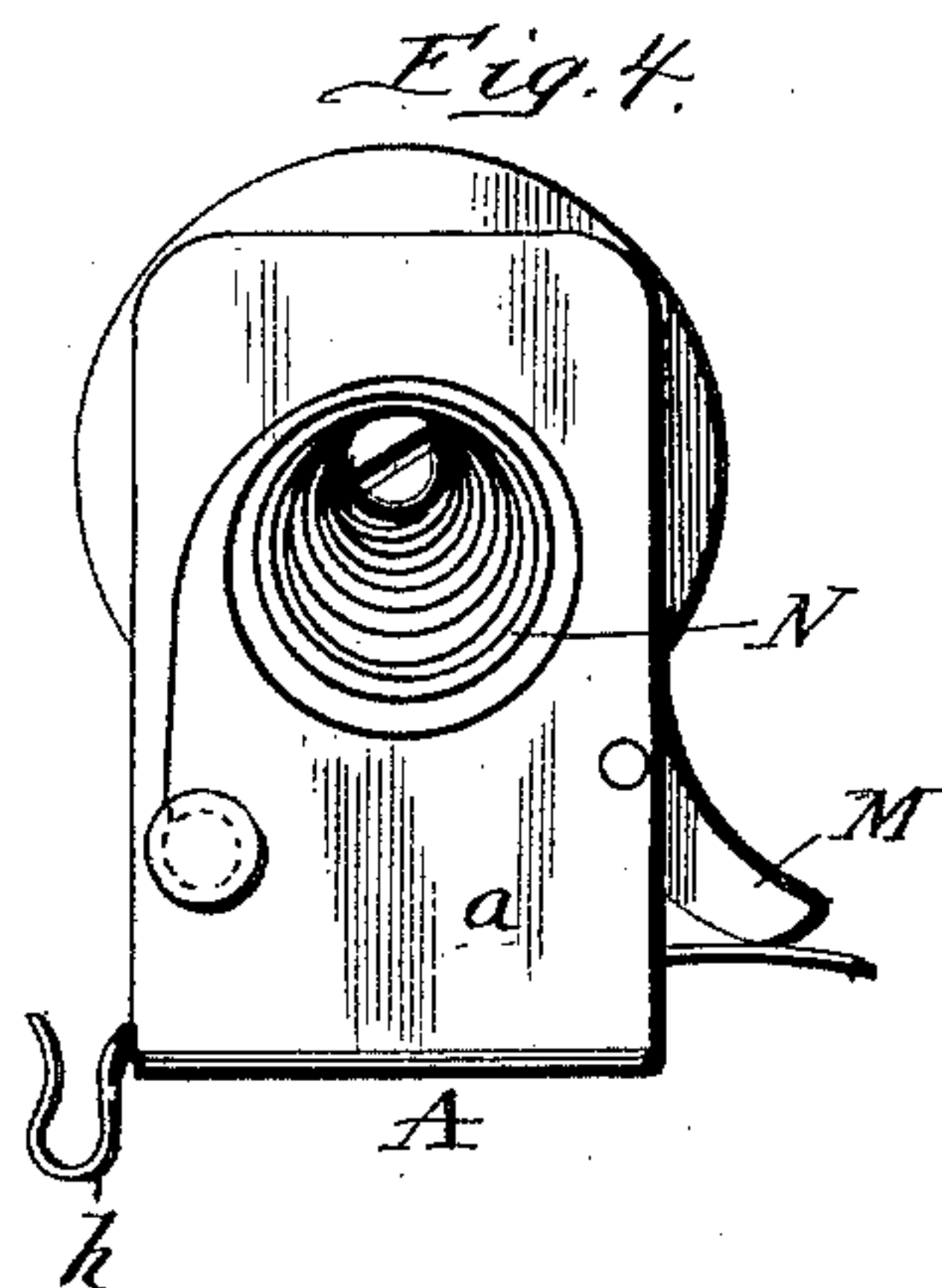
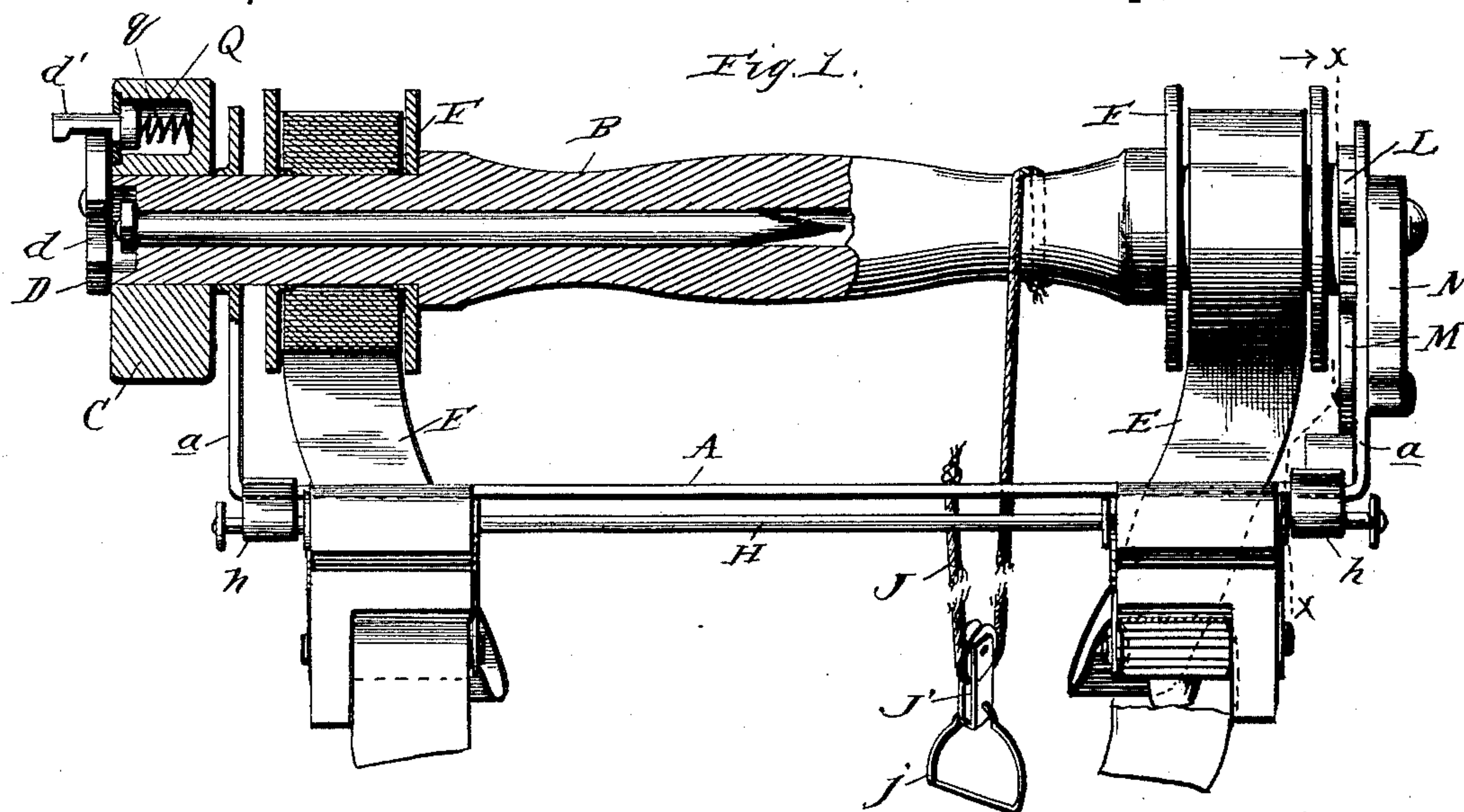


(Model.)

G. B. ROWE.
HOLDER FOR PARCELS OR BUNDLES.

No. 424,578.

Patented Apr. 1, 1890.



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UNITED STATES PATENT OFFICE.

GEORGE BUCHER ROWE, OF HAWARDEN, IOWA.

HOLDER FOR PARCELS OR BUNDLES.

SPECIFICATION forming part of Letters Patent No. 424,578, dated April 1, 1890.

Application filed December 6, 1887. Serial No. 257,080. (Model.)

To all whom it may concern:

Be it known that I, GEORGE BUCHER ROWE, a citizen of the United States, residing at Hawarden, in the county of Sioux and State of Iowa, have invented certain new and useful Improvements in Holders for Parcels or Bundles; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to bundle or parcel holders and carriers, and has for its object to produce a holder especially adapted for school children. The shaft on which the binding strands or tapes are wound is tubular and used as a receptacle for pencils, &c. The strands themselves can quickly be lengthened or shortened independently of each other to adapt them to bundles or parcels having their ends of different dimensions. Surplus length of the binding strands or tapes is taken up by a coil-spring or retracting-cord, or both combined.

The invention consists in the novel construction and combination of parts, which will be more fully hereinafter set forth and claimed, and shown in the annexed drawings, in which—

Figure 1 is a side view, partly in section, of a holder or carrier embodying my invention. Fig. 2 is an end view of the tubular shaft, showing the operation of the disk which closes its open end by dotted lines; Fig. 3, a cross-section on the line X X of Fig. 1, looking in the direction of the arrow; Fig. 4, an end view showing the rewinding-spring. Figs. 5 are end views of the buckle, showing the locking-tube in register with the slot and channel in the buckle, respectively. Fig. 6 is a perspective view of the buckle; Fig. 7, a detail view of the cam.

The frame A, having its ends *a* bent up at right angles, is provided with the shaft B, which is journaled at its ends in the standards or bent ends *a* of the frame. This shaft, which is tubular, is extended at one end beyond its bearing in the standard, and is provided with the hand-wheel C. The open end of the shaft is closed by the disk D, having a notch *d*, which when in register with the bore

of the shaft permits the removal or insertion of articles therein. The catch *d'* is rotatable, and is notched in its sides to receive the edge of the disk D. When the disk is turned so that the notch *d* comes opposite to the catch, the end of the shaft will be closed. Now by giving the catch a partial turn a portion thereof will be projected into the notch *d* and hold the disk D from movement in either direction. The binding strands or tapes E—two in number—are fastened at one end to the drums F, mounted in the shaft B near each end thereof. The other ends of the binding strands or tapes are adjustably connected with the buckles G, one being provided for each strand, to adapt them to bundles or parcels having their ends of different sizes. These buckles are placed on a rod H, which is held at its ends in brackets *h*, secured to the sides of the standards *a* and formed exactly alike; hence a description of one will suffice for both. The buckle-frame is a solid block having its lower end cut away on one side to form the shoulder *g*, which acts in opposition to the cam or eccentric *g'*, for clamping the tape or strand E. The cam or eccentric is fastened on the end of the shaft *g*², which is journaled in the reduced end *g*³ of the buckle-frame. The shaft *g*² is extended and has a notch *g*⁴ in its side, in which fits the free end of the spring *g*⁵, for holding the eccentric against the shoulder *g*. The side of the extension next to the spring is provided with the recess *g*⁶, to receive and permit the free end of the spring *g*⁵ to have a free movement. The plate *g*⁷ is secured to the buckle-frame, and, overlapping the eccentric or cam *g'*, prevents the slipping of the tape or strand from between the cam *g'* and the shoulder *g*. The bore I, formed entirely through the buckle-frame parallel with the shaft *g*², and having the kerf or channel *i* extending upward from the bore, and the slot *i'* extending through the side of the frame G, is provided with the tube I', which is fitted therein and has its ends flanged to prevent its longitudinal displacement. The tube I' is slotted in its side, and can be turned so that the slot *i*² therein will register with either slot *i'* or channel *i*. When slot *i'* and *i*² are in register, the buckle can be adjusted on the rod H, which will enter the tube I'. Now turn the tube I so that the slot *i*² will register with the channel or groove *i*, and the rod H will become seated in said

groove or channel *i*. Again, turn the tube *I'* right or left and the buckle will become locked on the rod *H*. To remove the buckle, turn the tube until the channel *i* and slot *i'* coincide. Then move the buckle so that the rod *H* will enter the tube. Now turn the tube until *i'* and *i* coincide, when the buckle can be readily removed.

The retracting-cord *J*, for quickly taking up any slack in the binding strands or tapes, is wound about that part of the shaft between the two drums *F F*, and has one end fastened to the shaft *B* and the other end fastened to the frame *A*. In the bight of this cord *J* is placed the sheave *J'*, having the bail *j*. By grasping bail *j* and pulling on the same, cord *J* will be unwound from the shaft and the binding strands or tapes will be wound up on the drums *F*. The binding-strands and cord *J* are prevented from tangling from being passed through suitable openings in the frame.

The shaft *B* is held from retrograde movement when the parcel is bound by the ratchet-wheel *L* and the pawl *M*. The free end of the pawl is extended sufficiently far to provide a convenient purchase for the finger to press upon to disengage the pawl from the ratchet for letting out the binding strands or tapes.

To take up the slack in the strands or tapes without extra trouble, a spring *N* is provided. One end of the spring is attached to the standard *a* and the other end to the journal of the shaft *B*. When the strands or tapes are unwound, the spring is wound up, and the unwinding of the spring winds up the tapes or strands.

The tube *I'* is held from turning by the spring-catch *F*, which is fastened at its lower end to the buckle-frame, and is provided at its upper end with the projection *p*, which extends into the said slot *i'* in the side of the tube *I'*.

The catch *d'* is inserted in a recess *Q* in the wheel *C*, and is pressed out by spring *q*, which is placed in the said recess *Q*.

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

1. The combination, with the frame and the longitudinal shaft having the binding strands or tapes connected at one end therewith, of the two buckles carried by the frame and adjustably connecting the free or other ends of the strands with the said frame, substantially as described.

2. The combination, with the frame having a stand and having a rod *H*, and the buckle having a transverse bore and a slot and channel extending from the bore, the slot projecting through the side of the buckle-frame, of the tube fitted in the said bore and having a longitudinal slot, substantially as described, for the purpose specified.

3. The combination, with the frame, the binding-strand, and the rod *H*, of the buckle having a bore, and a slot and channel leading from the bore, the slot extending through the

side of the buckle-frame, and the longitudinally-slotted tube fitted in the said bore and having flanged ends, substantially as set forth.

4. The combination, with the frame, the longitudinal shaft, and the binding strands or tapes secured at one end to the said shaft, of the buckle connected with the frame, having its lower end reduced to form a shoulder, and the cam arranged to act in opposition to the said shoulder, substantially as described, for the purpose specified.

5. The combination, with the frame, the longitudinal shaft, and the binding strands or tapes connected with the said shaft, of the buckle carried by the frame, having one end reduced to form a shoulder, the cam, the short shaft having a notch in its side, and the spring having its free end fitted in the said notch, substantially as described.

6. In a parcel-carrier, the combination, with the frame and the binding-strand connected with the frame at one end, of the herein-described buckle for adjustably connecting the other end of the strand with the frame, composed of the frame having one end reduced and its other end provided with a transverse bore, the channel and slot leading from the bore, the longitudinally-slotted tube fitted in the bore and having flanged ends, the short shaft journaled in the reduced end and notched in its side, the cam, the spring, and the plate secured to the buckle-frame and overlapping the cam, substantially as set forth, for the purpose described.

7. The combination of the frame, the shaft *B*, the buckle, the binding strands or tapes, the spiral spring having one end connected with the frame and the other end with the shaft, and the retracting-cord having its ends fastened to the shaft and frame, respectively, and having a sheave provided with a bail placed in the bight of said cord, substantially as specified.

8. The combination, with the frame, the buckle, and the binding-strands, of the tubular shaft journaled in the frame, and having the said strands connected therewith and adapted to receive pencils, &c., substantially as set forth.

9. In a parcel-carrier, the combination of the frame, the binding-strands, the buckle, the tubular shaft journaled in the frame and having the said strands connected therewith, the disk having a notch or opening closing the open end of the said shaft, and the rotatable catch having a notch in its side and adapted to engage the notch or opening in the said disk, substantially as and for the purpose described.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE BUCHER ROWE.

Witnesses:

W. O. MCCLURE,
I. H. BAILEY.