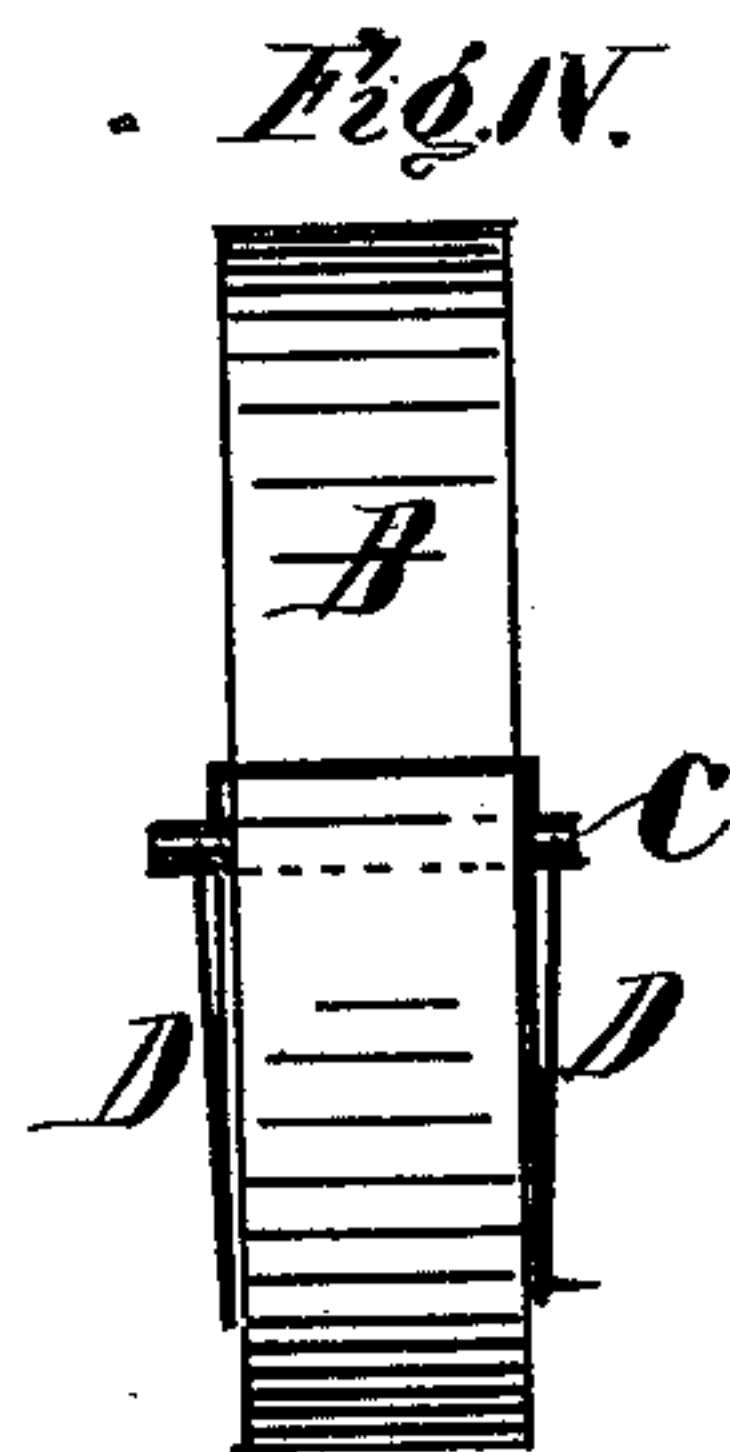
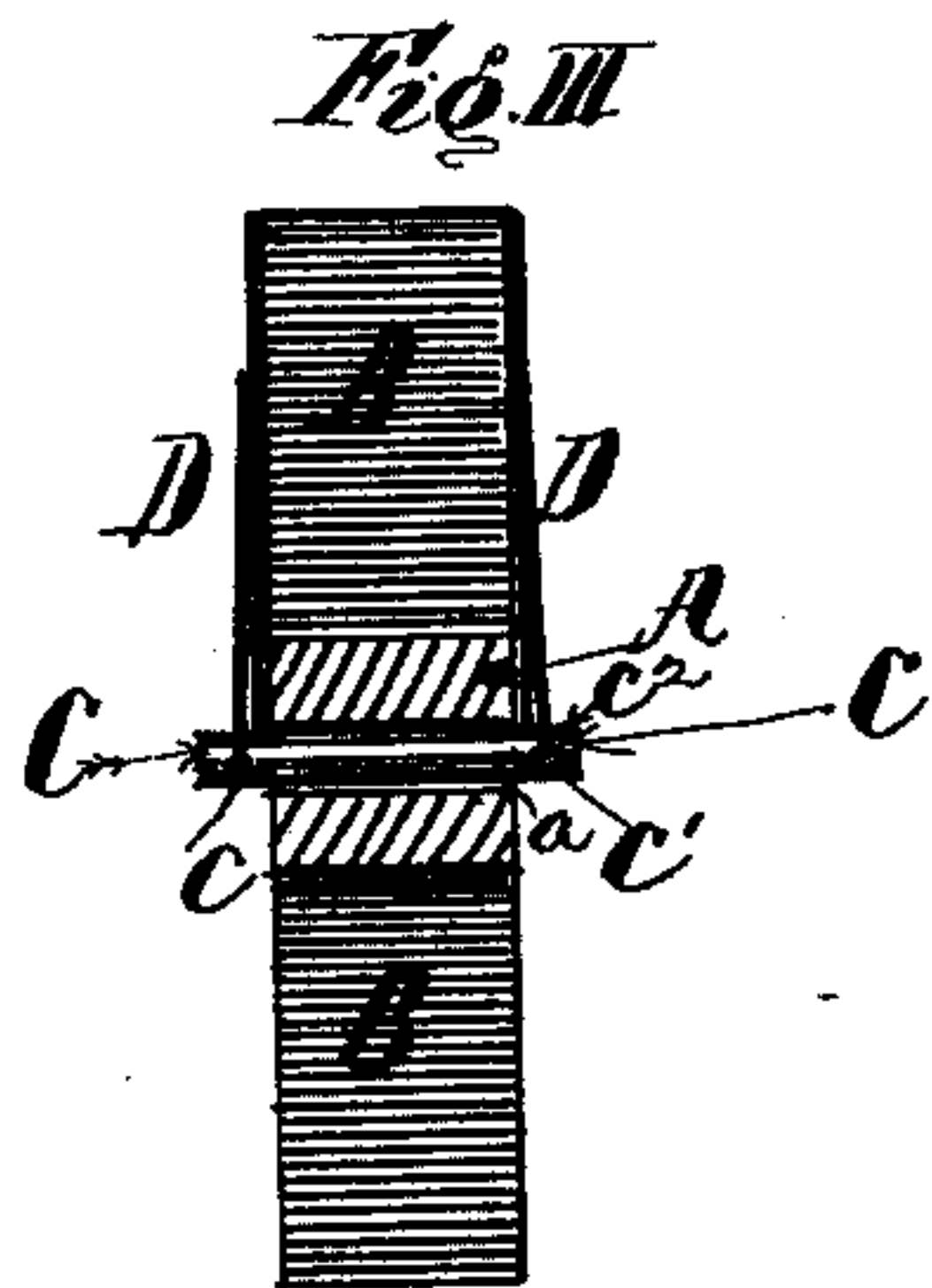
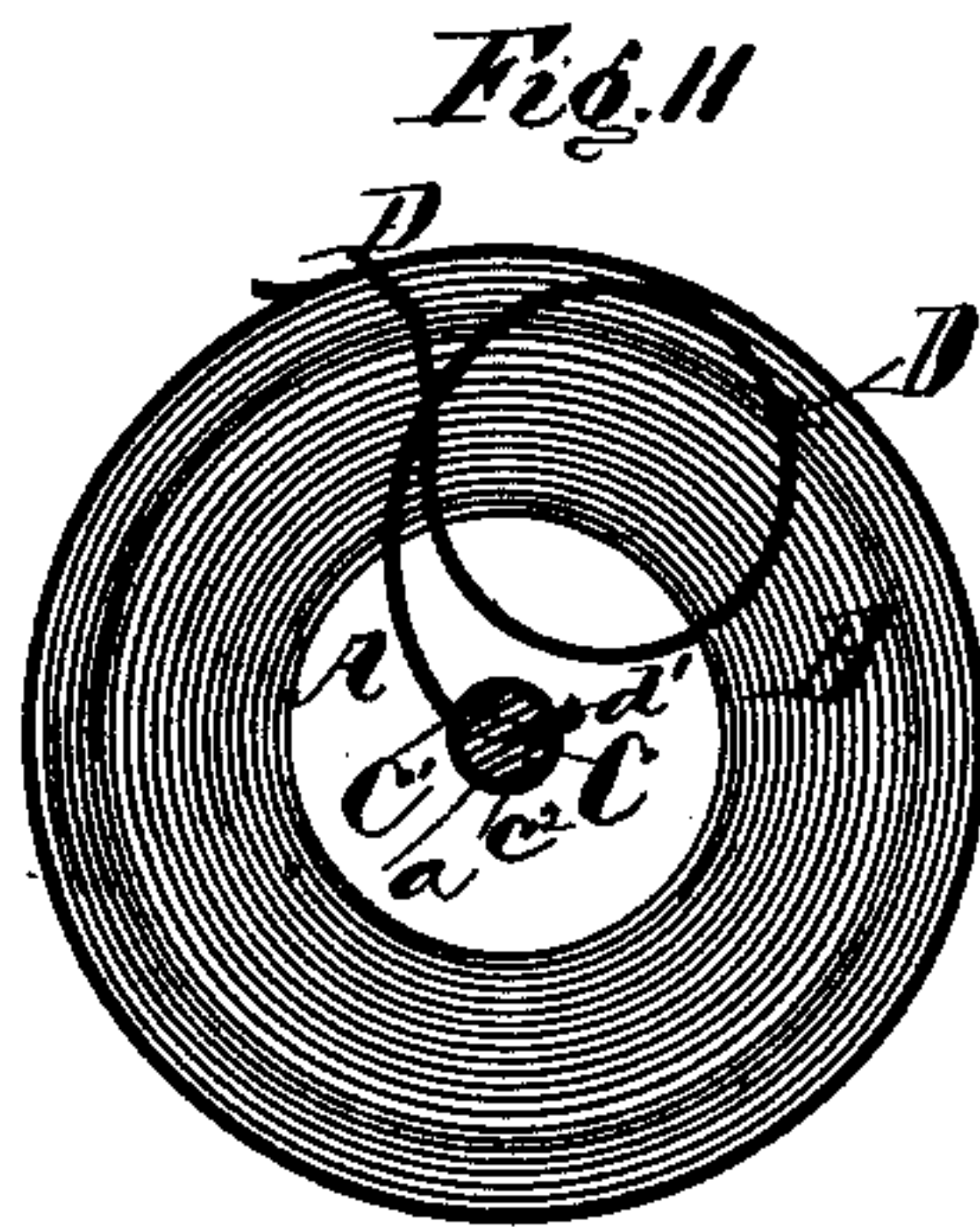
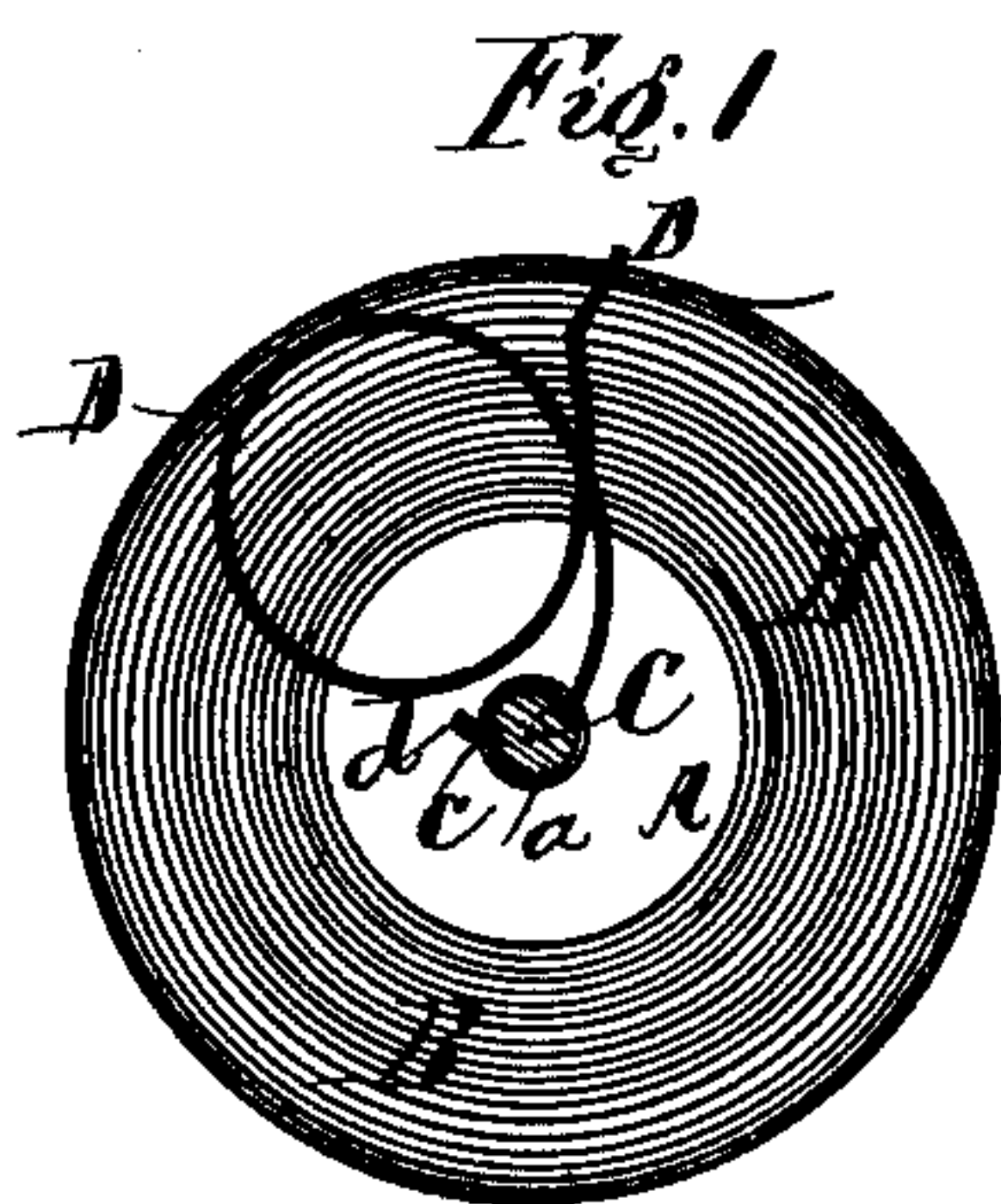


J. C. LYON.
Braid-Holder.

No. 204,495.

Patented June 4, 1878.



Witnesses:
J. Barrett
Ch. Reiglemau

Inventor:
John B. Lyon
Per: Richard Gerner
Atty.

UNITED STATES PATENT OFFICE.

JOHN C. LYON, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF HIS RIGHT
TO DAVID S. BROWN, OF SAME PLACE.

IMPROVEMENT IN BRAID-HOLDERS.

Specification forming part of Letters Patent No. 204,495, dated June 4, 1878; application filed
March 28, 1878.

To all whom it may concern:

Be it known that I, JOHN C. LYON, of the city and county and State of New York, have invented a new and useful Improvement in Braid-Holders; and I declare that the following is a clear and exact description of the same, reference being had to the accompanying drawing, forming a part of this specification.

The object of my invention is to produce a spring-holder for securing tape or other narrow fabric upon spools in such a manner that as the tape is unwound from the spool the spring-holder will continue to press down upon the remaining tape on the spool until all the tape is wound off.

Another object of my invention is to secure the ends of the spring-holder to the spool, so that the said ends cannot be displaced when the tape is being unwound.

My invention consists in employing a wire spring, one end of which is fastened to the outer end of an axle, which passes through the central opening of the spool upon which the tape or other narrow fabric is wound. The spring is then bent upward into a circle, and then at right angle across the top of the tape. It is then bent downward again, describing another circle on the other side of tape, where it is fastened to the other outer end of the axle.

In order to describe my invention more fully, I refer to the accompanying drawing.

Figure 1 is a side view of a roll of tape embodying my invention. Fig. 2 is another side view. Fig. 3 is a sectional view. Fig. 4 is a top view.

A is the spool, with the hole *a*; B, the tape; C, the axle, with hole or slot *c*, into which is inserted the bent end *d* of the wire-spring holder D. This holder, after it is fastened to the axle, is bent upward into a circle, as shown in Fig. 1, and across the tape, as shown in Fig. 4, and then downward into another circle, as shown in Fig. 2. The other end, *d'*, of the holder is then fastened to the end *c*² of the axle C by passing the end *d'* into the hole *C*¹.

The object of curving the sides of the spring, as shown in Figs. 1 and 2, is, first, to give the said spring-holder greater elasticity, so as to more effectually press down upon the tape; second, to form a guard on each side of the roll of tape, so that the same cannot bulge out to one side or the other when unwound or carried about.

The object of securing the ends of the spring-holder to a separate axle is to prevent the said ends from springing out accidentally when the tape is wound from the spool.

Having thus described my invention, I desire to claim—

In combination with the spool A, the wire-spring holder D, when formed into two circles, to serve as guards on each side of the tape B, and having the ends *d d'* fastened to a separate axle, C, substantially as and for the purpose set forth.

JOHN C. LYON.

Witnesses:

F. BARRITT,
CH. RIEGELMAN.