

(No Model.)

F. E. DENZEL.
RIBBON RETAINER.

No. 557,115.

Patented Mar. 31, 1896.

Fig. 1.

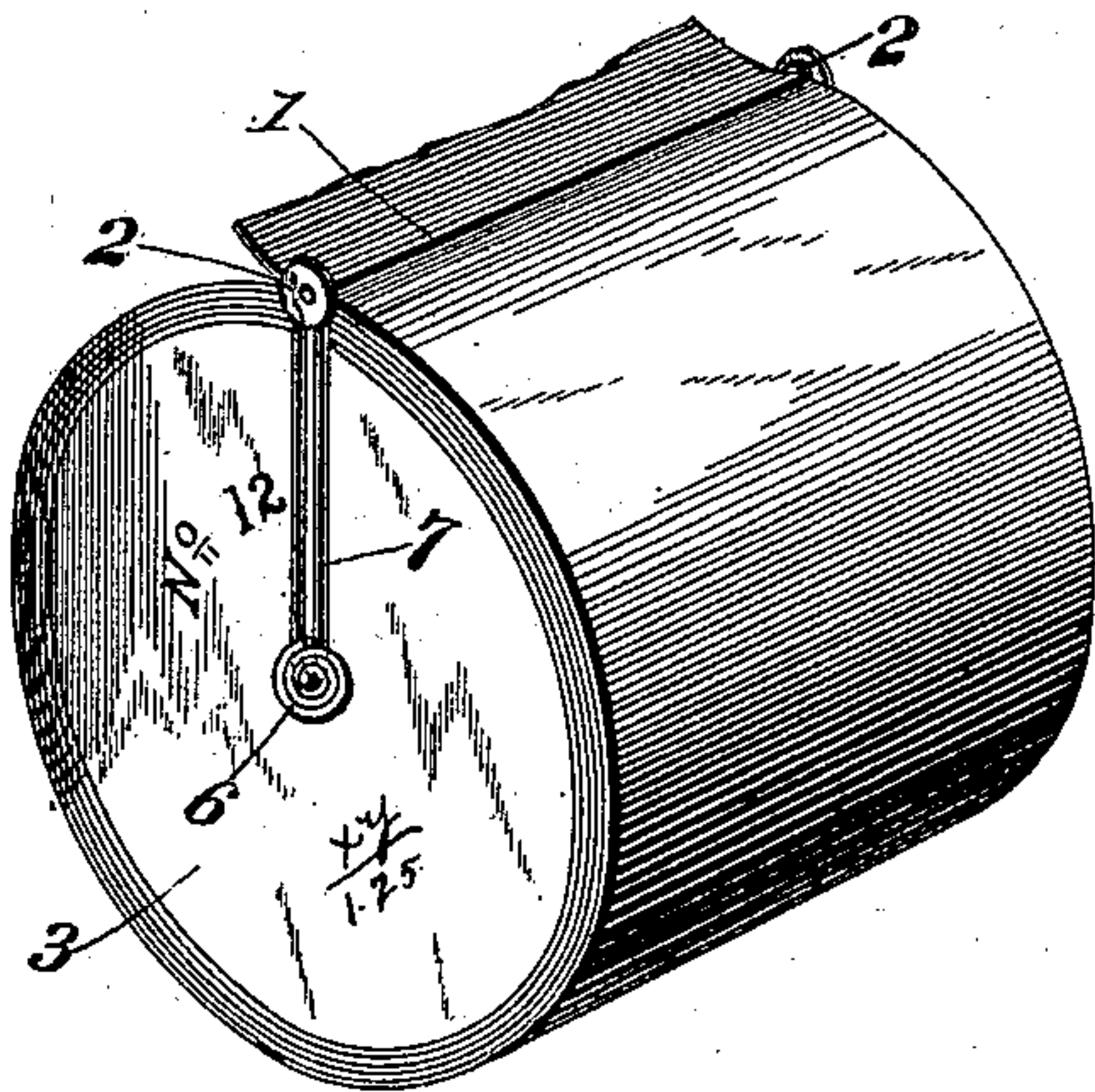
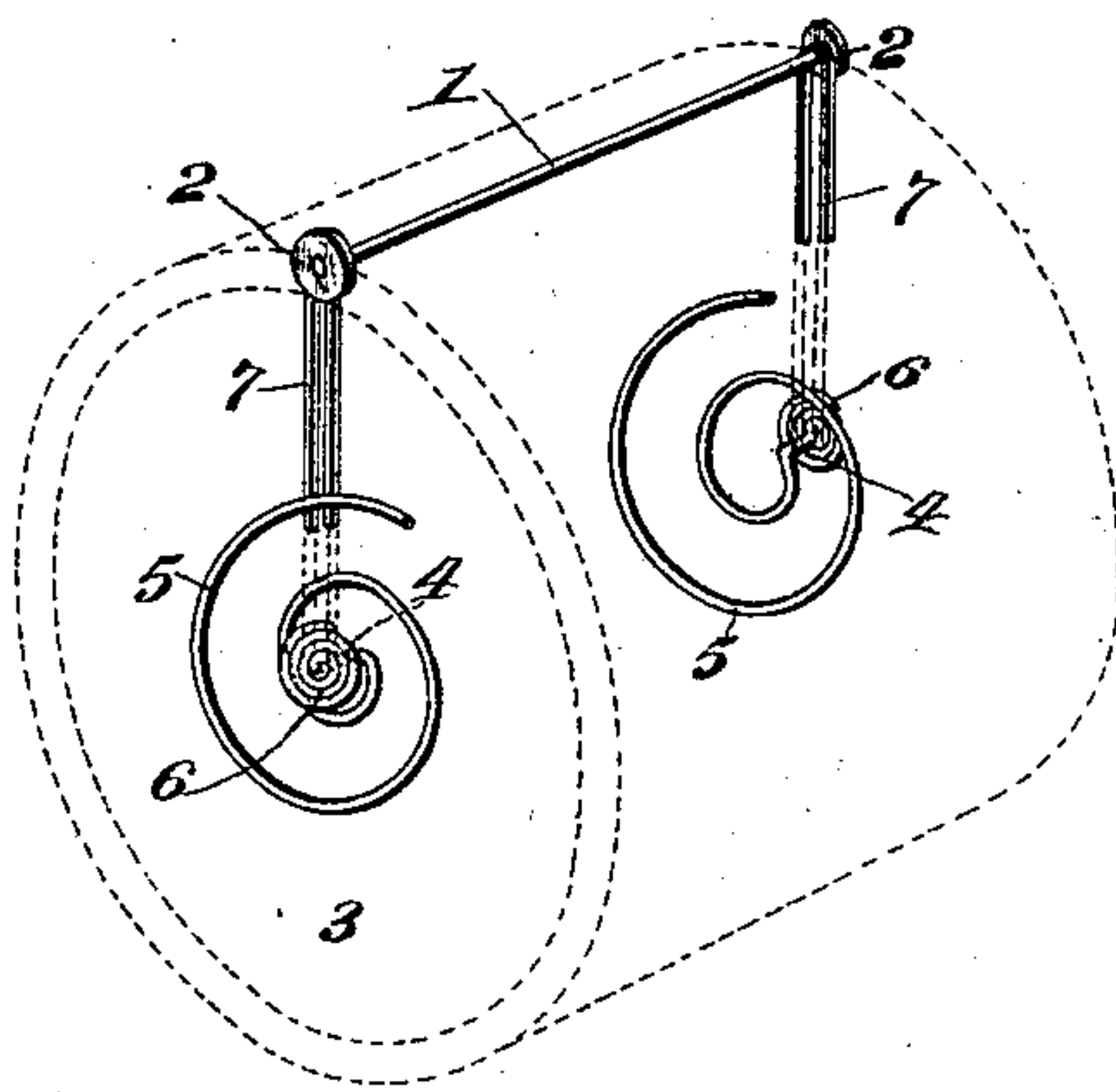


Fig. 2.



Witnesses
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FANNIE E. DENZEL, OF GREAT FALLS, MONTANA.

RIBBON-RETAINER.

SPECIFICATION forming part of Letters Patent No. 557,115, dated March 31, 1896.

Application filed September 20, 1895. Serial No. 563,118. (No model.)

To all whom it may concern:

Be it known that I, FANNIE E. DENZEL, a citizen of the United States, residing at Great Falls, in the county of Cascade and State of Montana, have invented certain new and useful Improvements in Ribbon-Retainers; and I do hereby 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.

My invention relates to improvements in devices for retaining ribbons on bolts or spools so that they will not come unwound while being exposed on shelves, in a show-case or while being examined by customers.

The object of my invention is to provide simple and cheaply-made retainers which may be used for the various standard widths of ribbons, which may be readily adapted to spools of wood or the common forms of paste-board cartons, and which will adjust themselves to bolts or rolls of varying diameters. The manner in which I attain these desirable objects is fully and clearly shown in the following specification and in the accompanying drawings, which form a part of my application, and in which—

Figure 1 is a perspective view of my invention applied to an ordinary bolt of ribbon, and Fig. 2 is a view with the carton and ribbon shown by dotted lines.

Like numerals of reference indicate like parts in both views.

The numeral 1 represents a small horizontal rod or bar, which may be of metal, of polished wood, of bone or other substitute, care being taken not to use any material that will rust or corrode or in any other manner likely to injure the ribbon with which it comes in constant contact. On either end of this rod, the length of which is determined by the width of the ribbon which it is desired to hold, is the button or head 2, which is formed with the rod or which may be screwed thereon. In the center of the carton or spool, which is indicated by 3, is a stud or hub 4, having a

spiral shank 5 and a head 6, the former on the inside of the carton and the latter on the outside thereof. This stud or hub 4 may be made in the form shown—that is, with the head and shank formed from a single piece of wire—or the head may be made separately and secured to the shank in any suitable manner. It will be apparent that for the purposes of attachment to a wooden spool the shank of the hub may be formed so as to screw into the wood.

Extending from the hubs 4 to the bar 1, on either side of the bolt of ribbon, are rubber bands 7 of common form, their size or length depending on the diameter of the bolt to which the device is attached. These rubber bands are prevented from slipping from the hubs and the bar 1 by the heads on said bar and hubs.

It will be apparent that as the ribbon is unwound to be cut off the retainer will easily revolve and the rubber bands will take up the reduction in the diameter of the bolt. It will also be seen that slight spiral springs may be substituted for the rubber bands; but, as economy of construction is an important item in devices of this kind, I prefer to use the ordinary rubber bands, the resiliency of which is sufficient for the purposes of my retainer, and when broken may be easily and cheaply replaced.

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

A ribbon-retainer composed of a horizontal rod having on either end a button or head, studs or hubs having spiral shanks; and elastic bands or springs connecting said rod with said hubs in the manner and for the purposes described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

FANNIE E. DENZEL.

Witnesses:

E. T. WHITE,
GEO. W. BELT.