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 CITIZENS LOAN TRUST & SAVINGS COMPANY, EXECUTOR AND TRUSTEE.
 FABRIC ROLL EDGE PROTECTOR.
 APPLICATION FILED APR. 17, 1908.

919,607.

Patented Apr. 27, 1909.

Fig. 1.

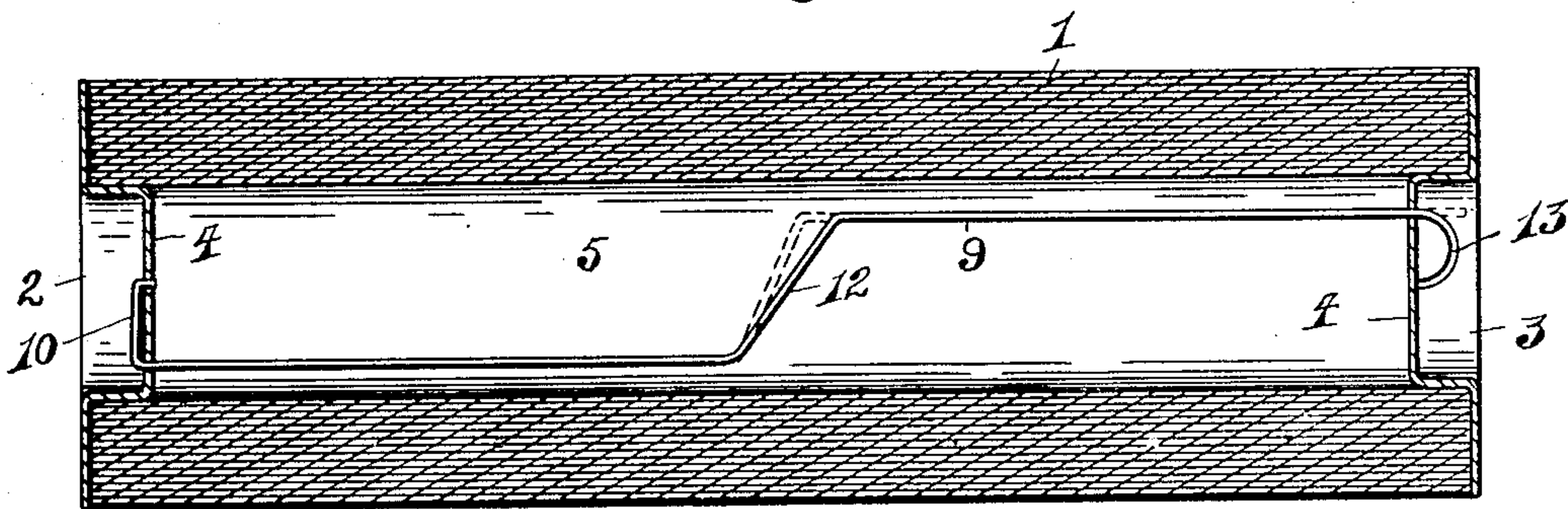


Fig. 2.

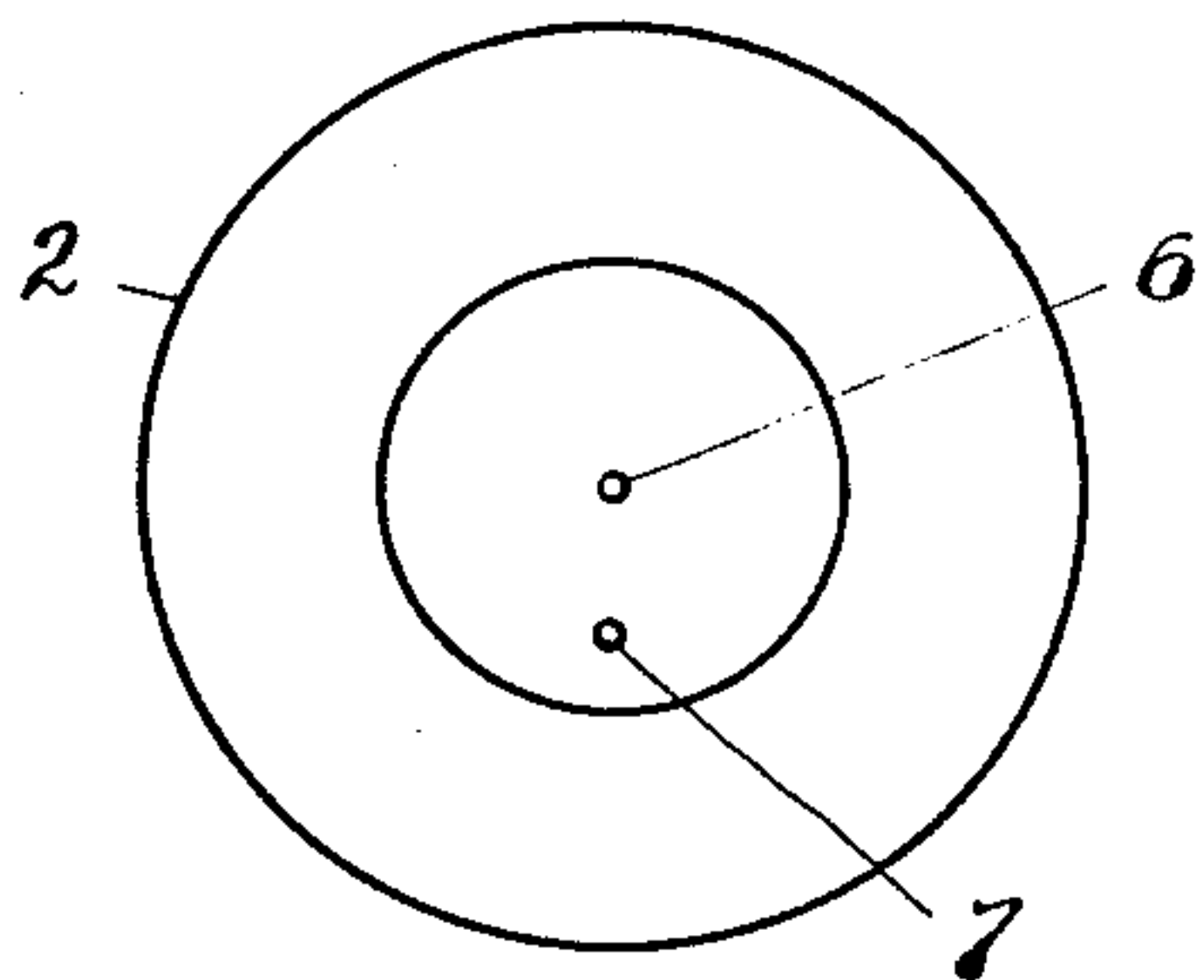


Fig. 3.

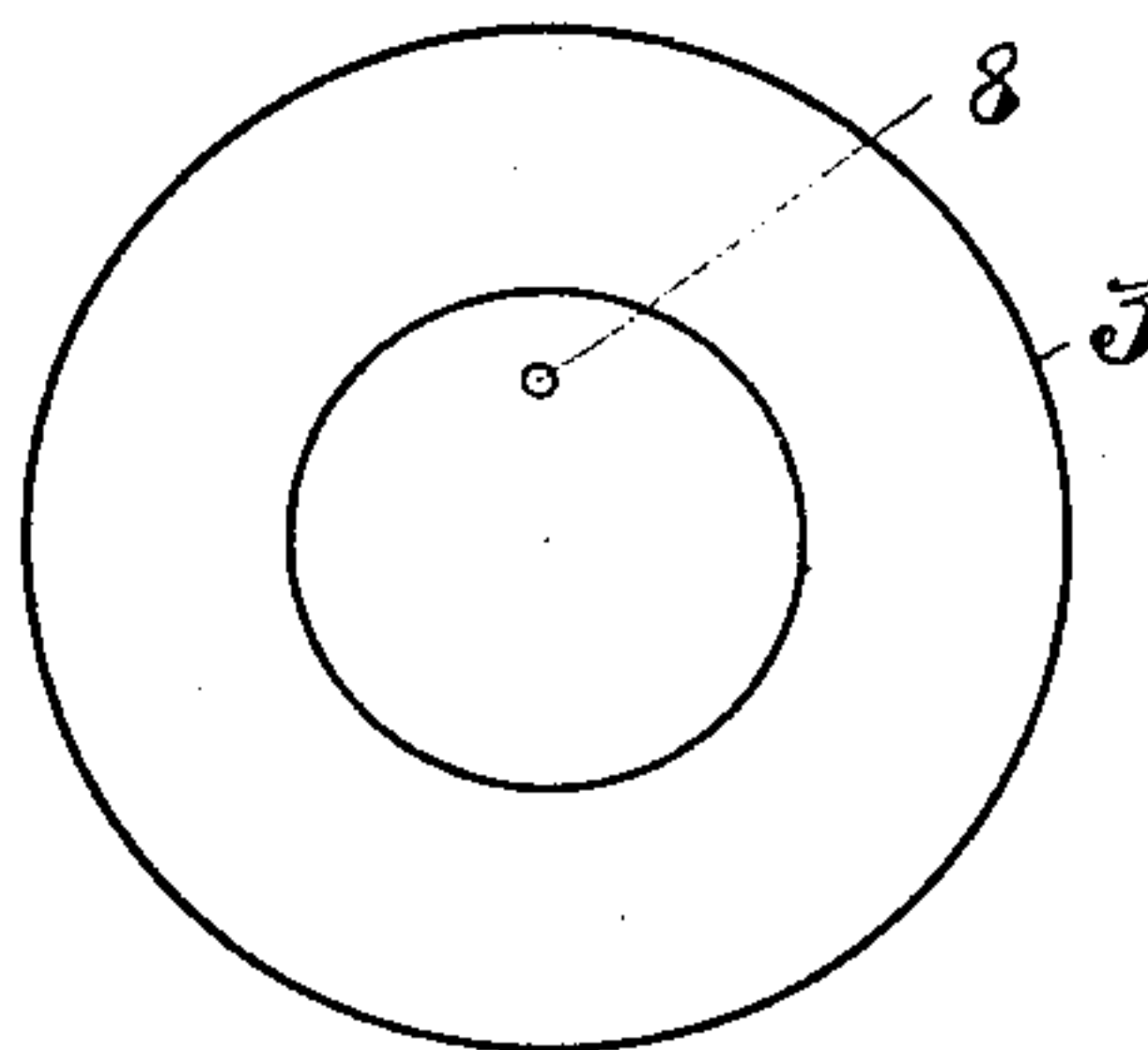
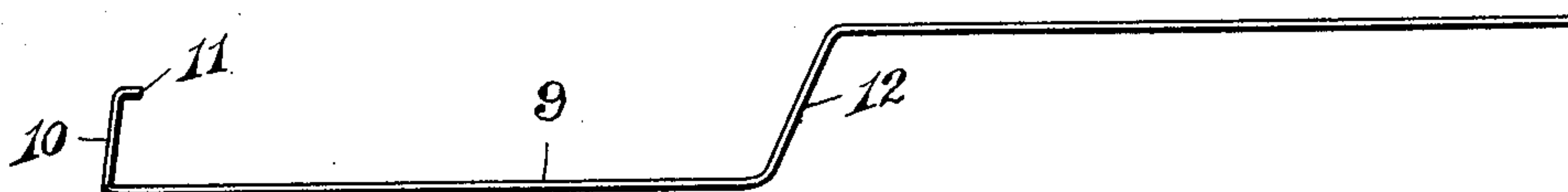


Fig. 4.



Witnesses:

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Inventor

By.

[Signature]
 Attorney.

UNITED STATES PATENT OFFICE.

GEORGE W. LOUGHMAN, OF SOUTH BEND, INDIANA; CITIZENS LOAN TRUST & SAVINGS COMPANY EXECUTOR AND TRUSTEE OF SAID GEORGE W. LOUGHMAN, DECEASED.

FABRIC-ROLL-EDGE PROTECTOR.

No. 919,607.

Specification of Letters Patent.

Patented April 27, 1909.

Application filed April 17, 1908. Serial No. 427,672.

To all whom it may concern:

Be it known that I, GEORGE W. LOUGHMAN, a citizen of the United States, residing at South Bend, in the county of St. Joseph and State of Indiana, have invented certain new and useful Improvements in Fabric-Roll-Edge Protectors, of which the following is a specification.

This invention relates to fabric roll edge protectors.

One object of the invention is to provide a spool composed of separable parts designed to prevent collapsing of the rolls of fabric at their ends and also to protect the edges of the fabric.

Another object of the invention resides in the provision of a fabric roll edge protector embodying such characteristics that in addition to performing the usual functions of providing for sufficient space whereby cement, tacks and other articles may be confined within the roll without danger of loss through accidental displacement during shipment or movement from one place to another, it also provides for a device embodying but few parts with the head members held in proper position through the instrumentality of a spring rod or bar.

With the above and other objects in view, the present invention consists in the combination and arrangement of parts hereinafter more fully described, illustrated in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes may be made in the form, proportion, size and minor details without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings:—Figure 1 is a longitudinal sectional view of the fabric roll illustrating my invention. Fig. 2 is a face view of one of the end caps. Fig. 3 is a face view of the other end-cap. Fig. 4 is an elevation of the locking rod prior to engagement with the end caps.

Referring now more particularly to the accompanying drawings, the reference character 1, indicates a fabric roll of any material and 2 and 3 the end caps each having a projecting central portion 4 adapted to project into the bore 5 of the roll 1 with its body portion arranged to engage the edges of the material or the ends of the roll, as shown. The end cap 2 has a central perforation 6 in its projecting part 4 and near the periphery

of the projecting part 4 is a second perforation 7, there being a single perforation 8 in the projecting part 4 of the end cap 3.

To lock the caps 2 and 3 against displacement with relation to the fabric roll, there is provided a locking bar or rod 9 which has one end bent laterally, as indicated at 10 and then inwardly, as shown at 11, the laterally directed part 10 being adapted to form a head preferably slightly inclined, as shown, the head 10 and part 11 practically forming a hook with the bill portion 11 of the hook adapted to fit in the central perforation 6 of the cap 2, the body of the locking rod 9 passing through the perforation 7. This locking rod 9 is preferably bent intermediate its ends upon an incline, as indicated at 12, and the remaining body portion of the locking rod directed in the same plane with that portion thereof upon the opposite side of its bent part 12 and passing through the perforation 8 of the cap 3. By reason of the bent part 12 of the locking rod 9, the latter is rendered springy, flexible or yieldable longitudinally of its length, so that when it is desired to positively secure the caps in place against displacement and especially tightly in engagement with the ends of the roll, in a manner hereinafter explained, the locking rod will yield longitudinally, as indicated in dotted lines in Fig. 1. To effect this yieldable function of the locking rod and to secure the caps against displacement, the rod is pulled upon at one end so as to exert a pull upon the cap 2 and cause the rod to yield intermediate its ends, as shown in dotted lines in Fig. 1, when the end of the rod opposite its hooked end is bent into curved or other form, as indicated at 13, so that its free extremity may be engaged with the projecting part of the cap 3 and centrally thereof and preferably substantially in alinement with the bill portion 11 of the hook and so that the locking rod cannot retract to assume its normal position, that is, the position shown in dotted lines in Fig. 1.

In order to cause a yielding of the locking rod intermediate its ends and to bend its end opposite to its hooked end, any suitable tool (not shown) may be used, but it is preferred to use such a tool as will pull upon the locking rod and also bend it in a single operation. By virtue of the ends of the rod being substantially in alinement, there is an even pull upon the end caps to insure their proper

positioning with the respective ends of the roll. There is another feature manifest in the peculiar formation of the locking rod and it resides in the fact that at each end of the roll there is ample space in which to place cement, tacks, articles, tools or other material.

What is claimed is:—

1. A combined fabric roll and supporting spool protector comprising caps adapted to bear against the ends of the roll, and a locking element connecting the caps, said locking element having its body portion bent intermediate its ends to cause the opposite ends of said body portion to lie adjacent opposite sides of the interior of the fabric roll and to render said body portion yieldable intermediate its ends only, one extremity of the locking element being bendable to provide a curved part terminating substantially parallel with the body portion for engagement with the adjacent cap to prevent retraction of the yieldable body portion when the latter is distended when the locking element is in operative position and to insure a constant pull upon the caps to prevent their displacement.

2. A combined fabric roll and supporting spool protector consisting of caps adapted to bear against the ends of the roll, and a locking element connecting the caps, said locking element having its body portion bent intermediate its ends to cause the opposite ends of said body portion to lie adjacent opposite sides of the interior of the fabric roll and to

render said body portion yieldable intermediate its ends only.

3. A combined fabric roll and supporting spool protector comprising caps adapted to bear against the ends of the roll, and a locking element connecting the caps, said locking element being bent intermediate its ends to render the same longitudinally yieldable, the bent portion being housed within the roll between the caps when in operative position and thereby shielded by the caps and roll.

4. A combined fabric roll and supporting spool protector comprising caps adapted to bear against the ends of the roll, and a locking element having its ends formed for connection with the caps, said locking element having a single bend intermediate its ends to render the same longitudinally yieldable and to exert a constant pull upon the caps, said bend being housed within the roll between the caps when in operative position whereby the bend is shielded by the caps and roll, the caps being dependent solely upon said bend for the maintenance of said pulling action thereupon and also upon the maintenance of said ends of the locking elements in firm engagement with the caps.

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

GEORGE W. LOUGHMAN.

Witnesses:

GEORGE OLTSCHE,
G. M. COLE.