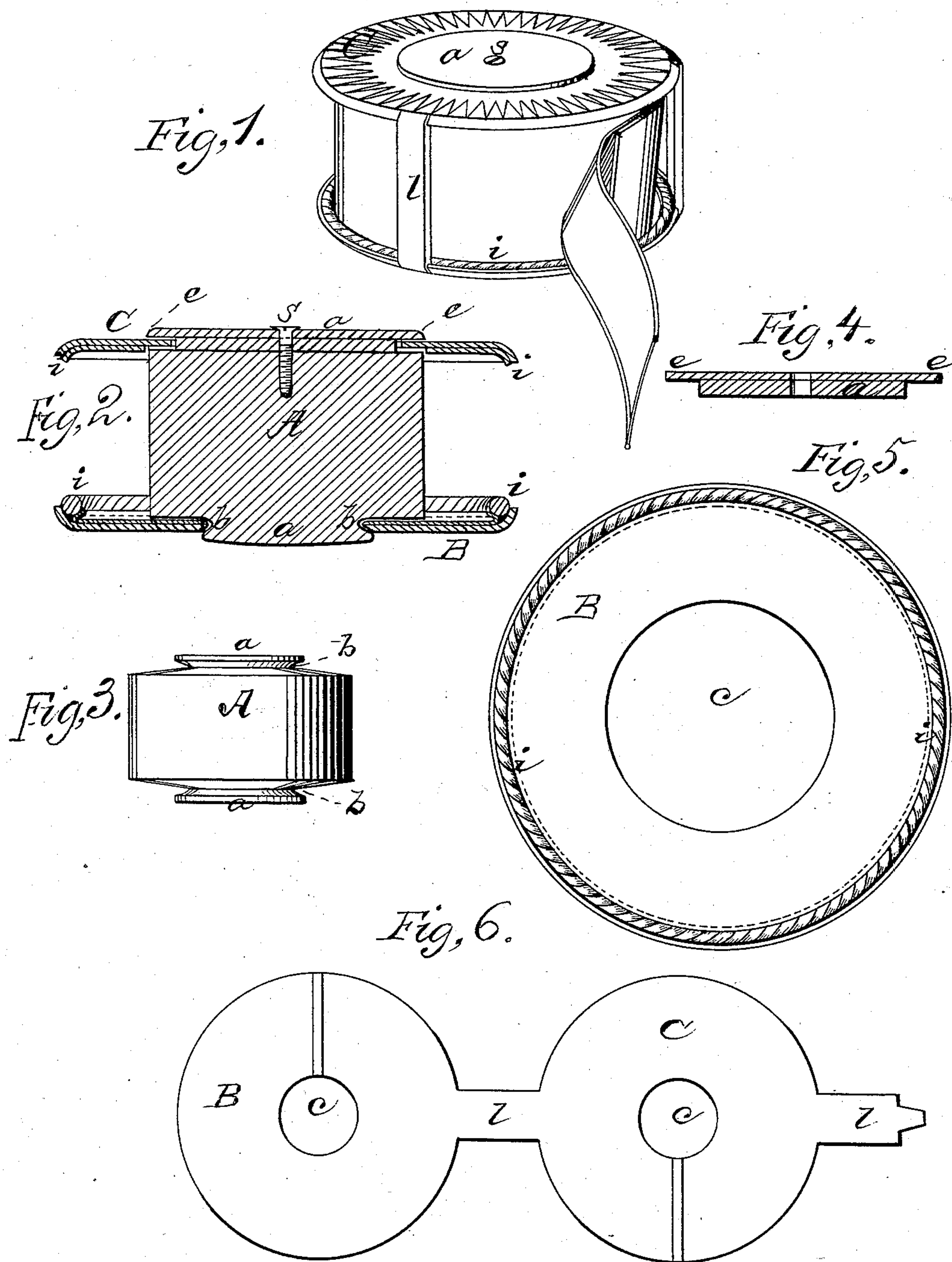


I. B. MILLNER.
Ribbon-Holders.

No. 218,998.

Patented Aug. 26, 1879.



WITNESSES
Juliette Anderson
Frank J. Massi.

INVENTOR
Isaac B. Millner.
by C. W. Anderson
his ATTORNEY

UNITED STATES PATENT OFFICE.

ISAAC B. MILLNER, OF CUMBERLAND, MARYLAND, ASSIGNOR OF ONE-HALF
HIS RIGHT TO CHARLES BALTZELL, OF SAME PLACE.

IMPROVEMENT IN RIBBON-HOLDERS.

Specification forming part of Letters Patent No. **218,998**, dated August 26, 1879; application filed
July 12, 1879.

To all whom it may concern:

Be it known that I, ISAAC B. MILLNER, of Cumberland, in the county of Alleghany and State of Maryland, have invented a new and valuable Improvement in Ribbon-Holders; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a perspective view of my improved ribbon-holder. Fig. 2 is a central section thereof, and Figs. 3, 4, 5, and 6 are details.

This invention has relation to improvements in rollers for holding ribbons, velvets, bindings, and other narrow fabrics; and the nature of the invention consists in a roller for the purposes described, having upon each end a rotating disk with inwardly-projecting edges, as will be hereinafter more fully set forth.

In the accompanying drawings, the letter A designates an ordinary wooden roller, having a rabbeted journal, *a*, at each end, that forms at its junction with the body of the roller an annular groove, *b*. B C designate the end disks, having a central perforation, *c*, of slightly less diameter than the journals *a*. These are sprung over the journals into the groove *b*, as shown in Fig. 2, and when thus engaged turn freely upon the journals. Instead of this arrangement, I may employ that illustrated in Fig. 1 at its upper part. The disk is here shown with a central opening, through which extends a journal having an edge flange, *e*, that holds the said disk against lateral displacement when the journal is secured to the roller by the screw *s*.

The disks B C have crimped, stamped, or corded edges *i*, curving in, as shown, the ob-

ject of this construction being to reduce the width between the disks at their edges, and thus prevent the loose end of the ribbon from working out from between the disks. This construction is fully illustrated in Fig. 2.

The ribbon or any other narrow fabric may be previously wound upon the blocks, and the disks subsequently sprung on or otherwise secured thereto. In thus putting on the ribbon a corresponding slip of paper is secured to the blocks and wound round the same one or more times. The ribbon is then attached to the under side of the strip and the two wound on together. As the ribbon and strip are sold off and the quantity on the roller runs short, the natural elasticity of the paper strip comes into play and keeps the ribbon pressed out against the inturned edge of the disks, causing the roller to present the appearance of being full.

The two disks are braced together by the straps *l*, and, if desired, may be constructed, as shown in Fig. 6, in one piece with the said disks.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a ribbon-holder, the roller A, provided with rotary disks B C, having the inturned edges *i*, substantially as specified.

2. The combination, with the roller A, having journals *a*, with grooves *b*, of the end disks, B C, rotating in said grooves, all substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ISAAC B. MILLNER.

Witnesses:

F. M. OFFUTT,
A. KEAN.