

(No Model.)

A. J. ROBINSON.
DETACHABLE UMBRELLA COVER.

No. 502,761.

Patented Aug. 8, 1893.

Fig. 1.

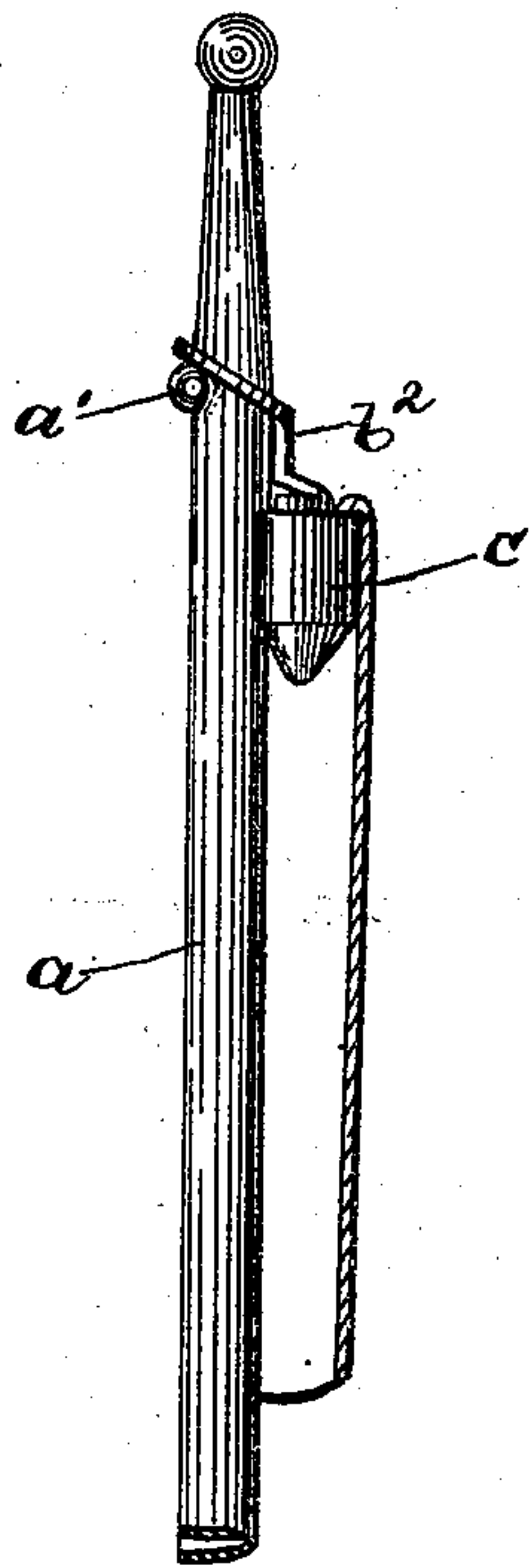


Fig. 2.

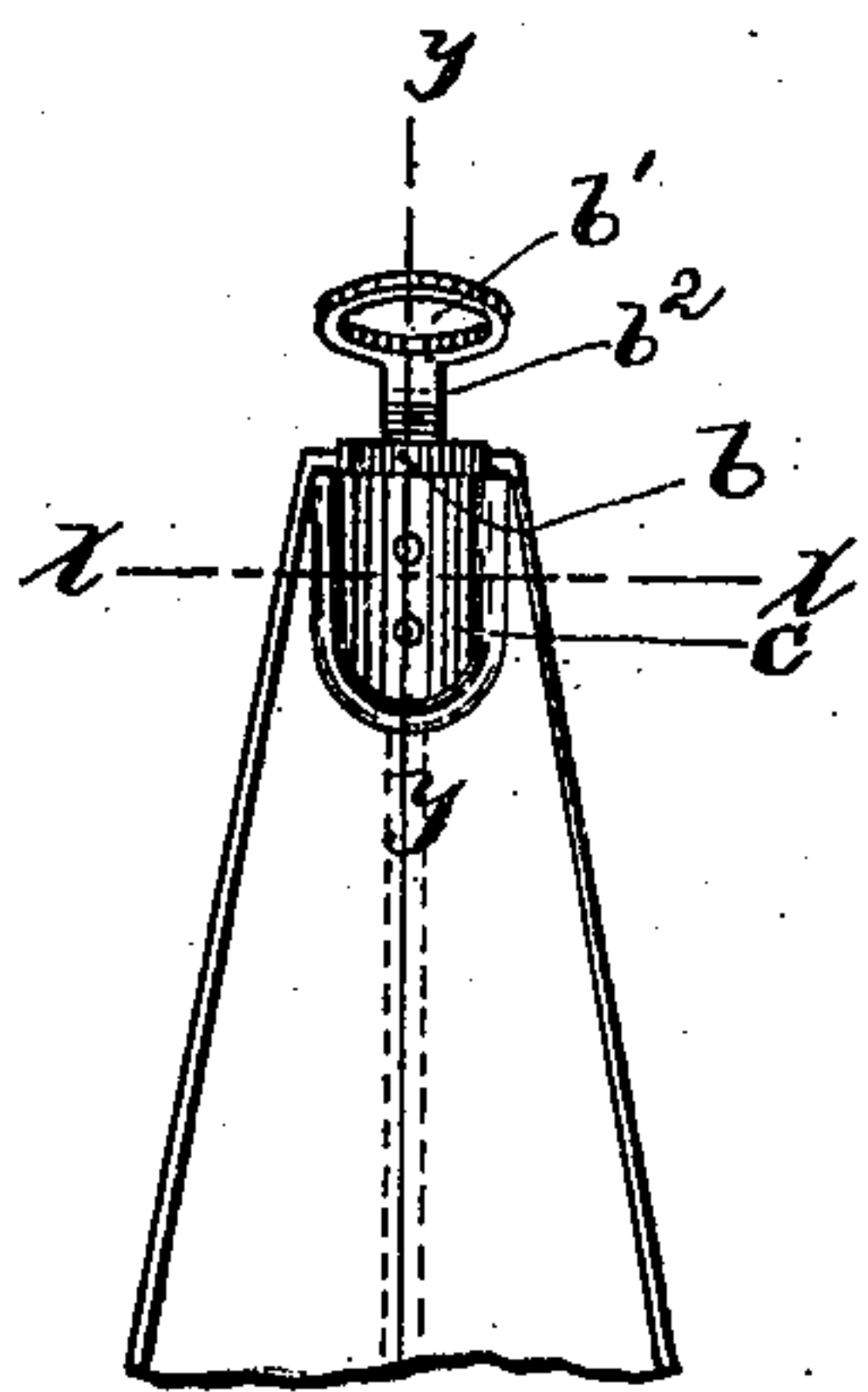
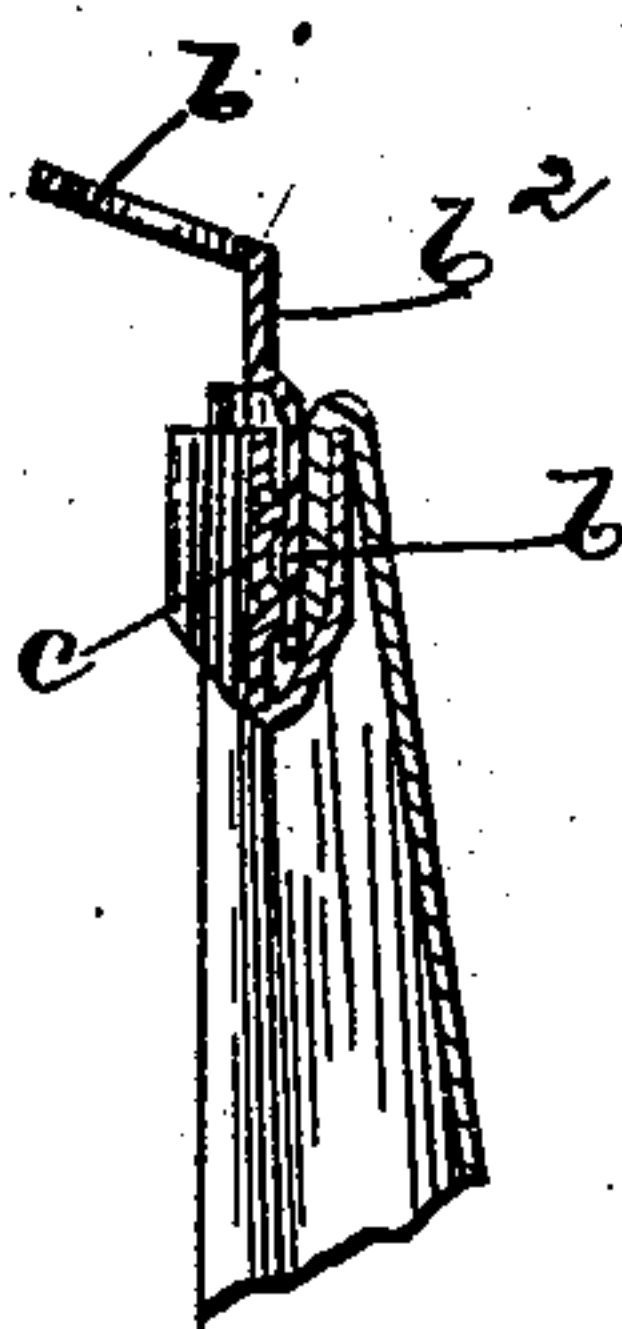


Fig. 3.



Fig. 4.



WITNESSES.

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UNITED STATES PATENT OFFICE.

ANDREW J. ROBINSON, OF BOSTON, MASSACHUSETTS.

DETACHABLE UMBRELLA-COVER.

SPECIFICATION forming part of Letters Patent No. 502,761, dated August 8, 1893.

Application filed October 17, 1892. Serial No. 449,061. (No model.)

To all whom it may concern:

Be it known that I, ANDREW J. ROBINSON, of Boston, county of Suffolk, State of Massachusetts, have invented an Improvement in Detachable Umbrella-Covers, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention relates to detachable umbrella covers, and has for its object to improve the construction of the means employed for securing the margin of the cover to the ends of the ribs or bows. In accordance with this invention a metallic fastening is constructed to subserve the desired ends, which comprises a shank or body portion adapted to be connected with the cover, and an end piece having an aperture to receive the end of the rib, which is formed integral with or connected to said shank or body portion, and bent at an angle with relation thereto. The aperture in the end piece is preferably made as a hole formed completely through the piece of sufficient size to freely slip over the end of the rib, but small enough however, to become caught and held by the usual projection or protuberance on the rib near the end. The shank or body portion of the fastener is bent or formed transversely to conform somewhat to the transverse curvature of the rib, or to receive said rib if of other shape in cross section, so as to take up as little space as possible, and the cover is so connected to said shank that the direct pull upon it, causes said shank to engage or rest snugly upon or against said rib, or in parallelism therewith.

Figure 1, shows in side elevation a metallic fastening embodying this invention in connection with the cover, and placed upon the rib or bow; Fig. 2, a front view of the metallic fastening in connection with the cover; Fig. 3, a cross section of the metallic fastening taken on the dotted line $x-x$ Fig. 2, and Fig. 4, a vertical section of the metallic fastening taken on the dotted line $y-y$ Fig. 2.

The bow or rib a , which may be of any usual or suitable construction and shape in cross section, has a projection or protuberance a' , made as an eye, which has usually been employed for permanently attaching the cover to the ribs by means of thread. As the bows

or ribs now on the market are provided with such projections or protuberances I utilize them in the manner to be hereinafter described.

The metallic fastener, by means of which the margin of the cover is secured to the ribs or bows, as herein shown, consists of a tongue b , and an end piece b' , formed integral with said tongue, although preferably connected therewith by a short, bent, and somewhat contracted neck b^2 . The end piece b' , which is made quite broad and thin, and turned at an angle with relation to the tongue b , has an aperture, herein represented as a hole made completely through it, of sufficient size to slip easily over the end of the bow or rib a , but small enough, however, to become caught and held by the projection or protuberance a' , as shown in Fig. 1.

As a preferable way of connecting the metallic fastener to the cover I have herein employed a clamp made as a socket c , into which the tongue b , and the margin of the cover are inserted, after which said clamp is compressed or indented, thereby binding and firmly securing the tongue and cloth therein. This clamp is curved transversely, as best shown in Fig. 3, to better adapt it to engage or rest upon or against the rib or bow, and thereby occupy as little space as possible, and when the fastener is placed upon the rib or bow, the direct pull of the cover will cause the curved clamp to bear directly upon the rib, or lie in parallelism therewith. I do not however desire to limit my invention to any particular way of connecting the fastener to the cover, although if some other means should be substituted for the socketed clamp herein shown, such means might be curved to receive the rib.

The clamp c , with the tongue b , held by it as herein shown, serves as and thereby constitutes the shank or body portion of the fastener.

I claim—

1. In an umbrella the combination with the ribs or bows thereof having projections or enlargements thereon toward their outer ends, of a detachable cover and means for securing the margins of the cover to the ends of the bows, said means comprising a metallic fastening having a body portion attached to the

cover, bent to engage and partially encircle the bow, an extension beyond said body portion arranged at an oblique angle thereto, having a hole through it for the end of the
5 bow and of sufficient size to enable the fastening to become caught and held by the aforesaid projections or enlargements, while the pull of the material causes the body to become clamped upon the bow, substantially as de-
10 scribed.

2. In an umbrella the combination with the ribs or bows thereof having projections or enlargements thereon toward their outer ends, of a detachable cover and means for securing
15 the margins of the cover to the ends of the bows, said means comprising a metallic fastening having a body portion attached to the cover, bent to bear on and partially encircle the bow, an extension beyond said body por-
20 tion in engagement therewith, having an intermediate part adapted to bear on the rib, the outer end of said extension being bent downwardly and having a hole through it for the end of the bow, and of sufficient size to
25 enable the fastening to become caught and

held by the aforesaid projections or enlargements, substantially as described.

3. In an umbrella the combination with the ribs or bows thereof having projections or enlargements thereon, of a detachable cover and
30 means for securing the margins of the cover to the bows, said means comprising a metallic fastening having a body portion attached to the cover, bent to bear on and partially en-
35 circle the bow, and an extension beyond said body portion in engagement therewith, having an intermediate part adapted to bear on the rib in alignment with the contacting sur-
face of the body portion, the outer end of said extension being bent downwardly and having
40 a hole through it for the end of the bow, substantially as described.

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

ANDREW J. ROBINSON.

Witnesses:

BERNICE J. NOYES,
LUCY F. GRAVES.