

T. O. POTTER.
Belt-Fastener.

No. 221,353.

Patented Nov. 4, 1879.

FIG. 1.

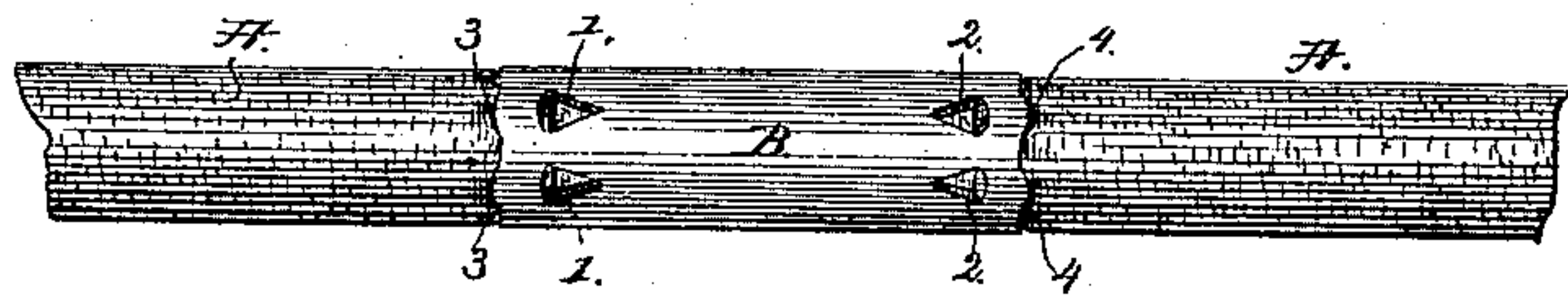


FIG. 2.

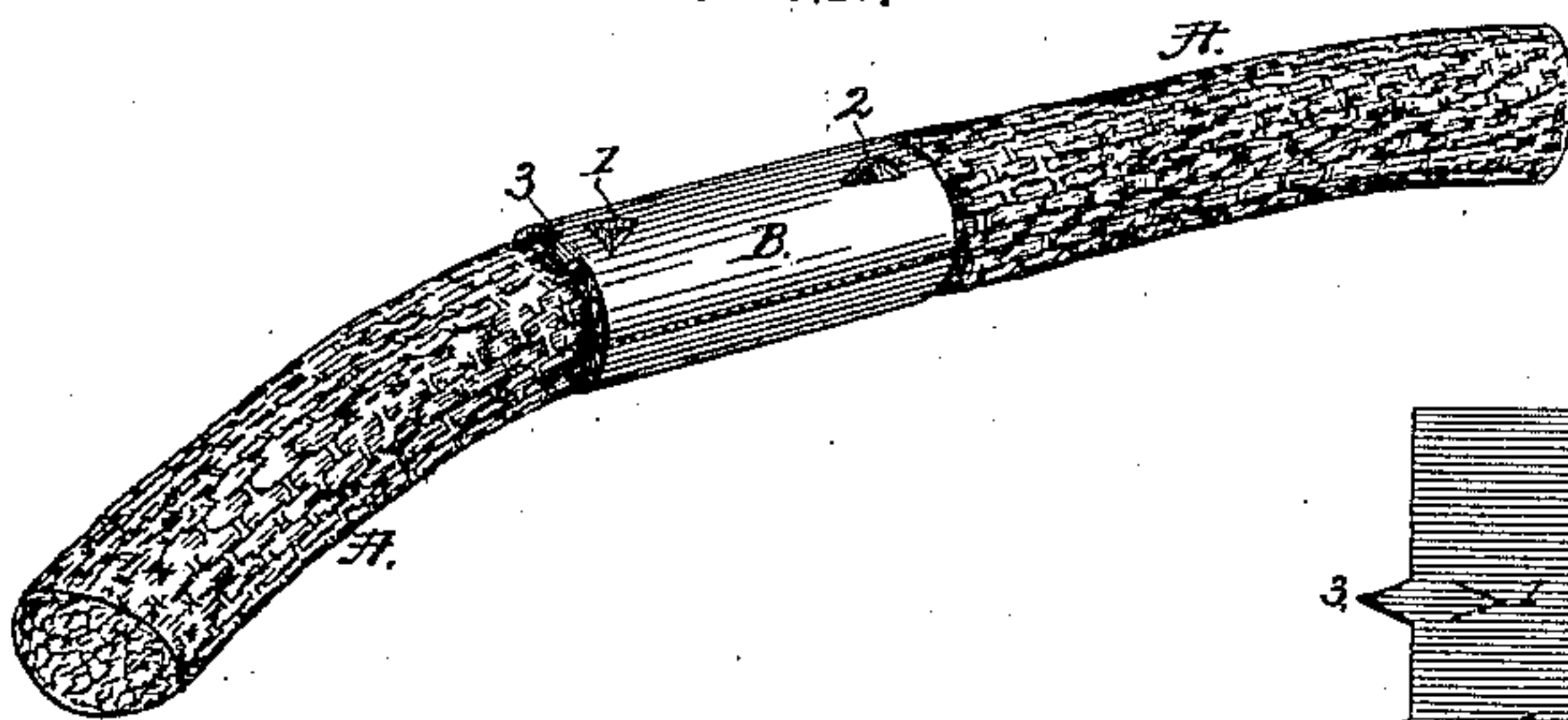


FIG. 3.

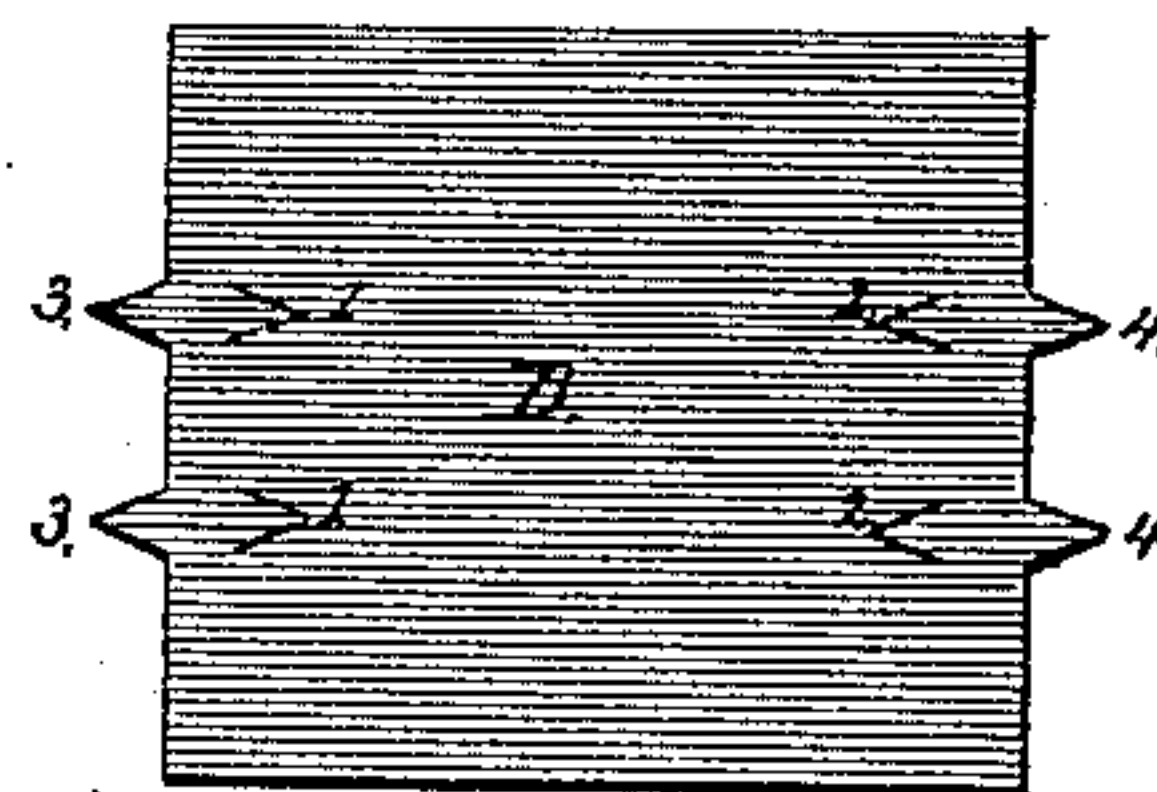


FIG. 4.

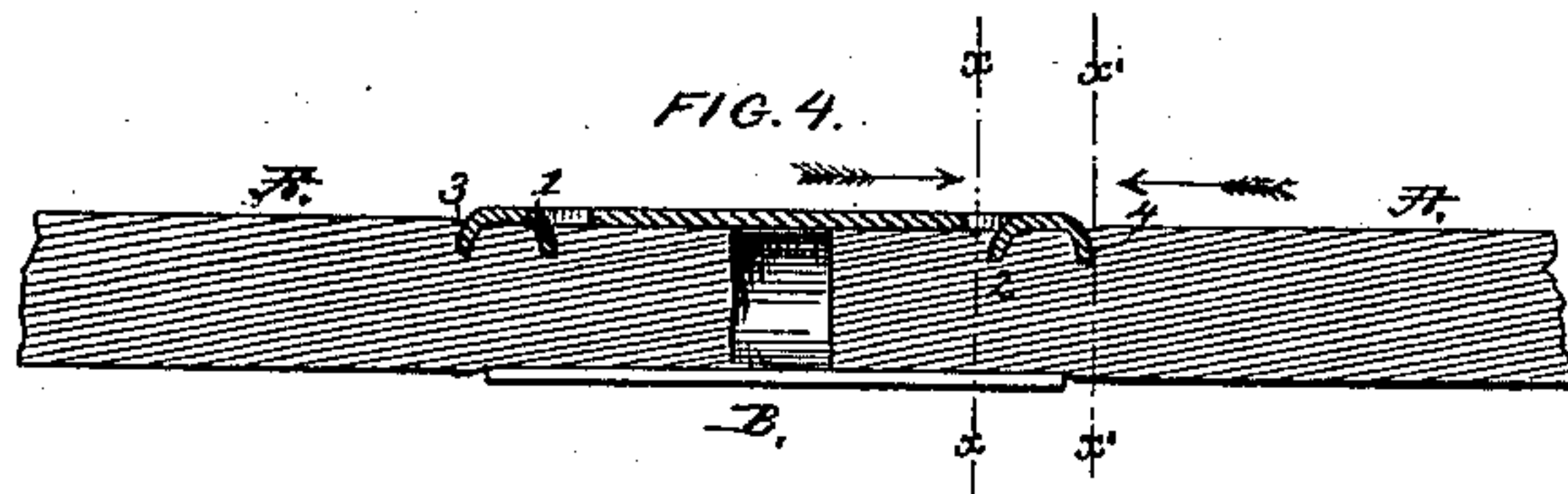


FIG. 5.

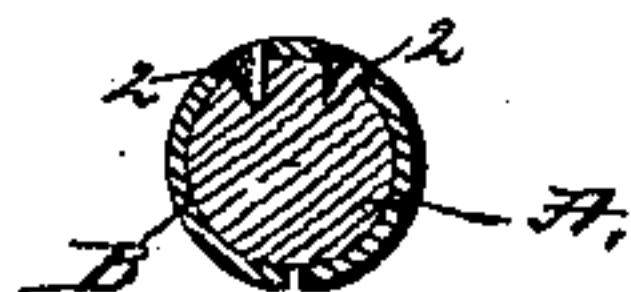
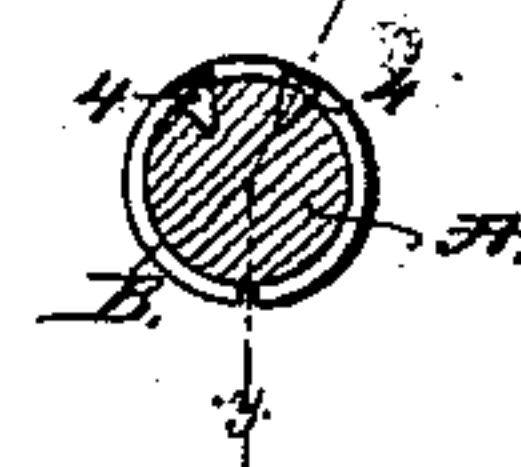


FIG. 6.



WITNESSES

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THOMAS O. POTTER, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN BELT-FASTENERS.

Specification forming part of Letters Patent No. **221,353**, dated November 4, 1879; application filed October 3, 1879.

To all whom it may concern:

Be it known that I, THOS. O. POTTER, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Belt-Fastenings; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification.

My invention relates to certain novel improvements in fastenings for round belts.

It has for its objects to securely connect the two ends of the cord, and at the same time conceal the same and protect them against raveling; and, with these objects in view, my invention consists of a metallic split cylinder, having barbs turned inwardly at two or more points in its surface, and also barbs projecting from its ends and turned down at right angles, as will be hereinafter described.

In order that those skilled may understand the construction and advantages of my improved belt-fastening, I will describe the same in detail, referring by letters to the accompanying drawings, in which—

Figure 1 is a plan view of my fastening applied to the two ends of a round belt. Fig. 2 is a perspective view of the same. Fig. 3 is a plan view of the metallic blank in a flat condition, with the barbs cut thereon. Fig. 4 is a longitudinal section taken at the line *y y*, Fig. 6. Fig. 5 is a cross-section at the line *x x*, Fig. 4, and Fig. 6 is a similar section at the line *x' x'* of Fig. 4.

Similar letters indicate like parts in the several figures.

A A represent the two ends of a round belt, and B the metallic fastening, which is struck

out from a flat sheet, as seen at Fig. 3, with barbs 1 1 and 2 2 cut in the surface of the metal, pointing in opposite directions, and with barbs 3 3 and 4 4 projecting from the ends of the blank.

After the blank has been cut as seen at Fig. 3, or at any other desirable time, it has its barbs all turned at right angles to its longitudinal plane, and it may or may not at the same operation be bent partially into the form of a cylinder.

The two ends A A of the belt are laid within the clasp B and subjected to the action of suitable dies, and pressed closely around the belt, as clearly shown in the drawings. This operation forces all the barbs into the belt-fabric, as clearly seen at Fig. 4, which rigidly secures the same in place, the ends being confined, concealed, and protected against raveling.

The clasp or fastening, being cylindrical in form when applied to the belt, is in cross-section substantially of the same diameter and contour as the belt itself, and thus avoids any unnecessary clatter or wear upon the pulleys over which it travels.

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

The belt-fastening B, adapted to surround and confine the ends of the belt, and provided with a series of barbs, 1 2 and 3 4, arranged as described, and for the purpose set forth.

Witness my hand this 29th day of September, 1879.

THOMAS O. POTTER.

In presence of—

SAM. B. NOYES,

BENJ. W. PACKARD.