T. P. MARSTON.

Tags.

No. 134,757. Patented Jan. 14, 1873.

Fig. 1.

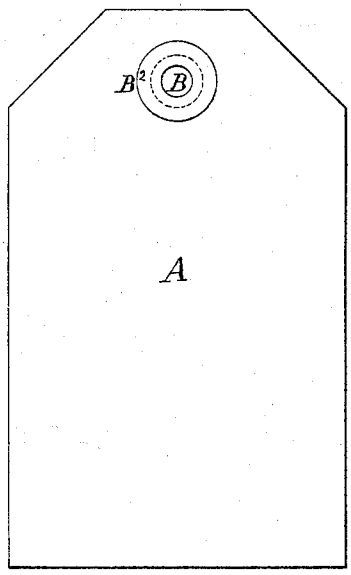


Fig. 2.

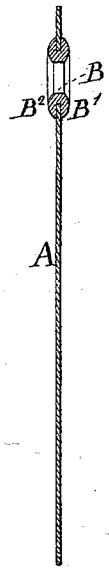
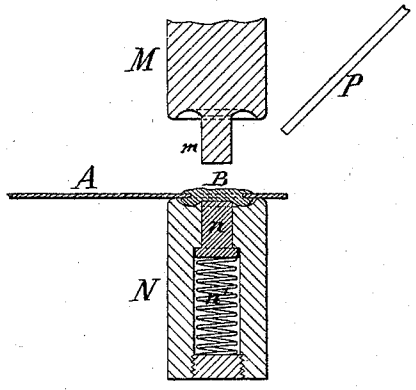


Fig. 3.



Witnesses:

Arnold Hörmann.

W. C. Dey.

Inventor:

Thomas P. Marston

by his attorney J. L. Stetson

UNITED STATES PATENT OFFICE

THOMAS P. MARSTON, OF NEW YORK, N. Y., ASSIGNOR TO JOHN S. LOUGHERY, OF SAME PLACE.

IMPROVEMENT IN TAGS.

Specification forming part of Letters Patent No. **134,757**, dated January 14, 1873.

To all whom it may concern:

Be it known that I, THOMAS P. MARSTON, of New York city, in the State of New York, have invented certain Improvements in Tags, of which the following is a specification:

The improved tag is more especially designed for use in shipping goods, or in other situations where the tag is liable to be exposed to the weather. I surround and line the hole through which the string or wire is passed by a double button, of gutta-percha or analogous tough material, molded in place. The body of the tag may be stout, well-sized paper, parchment, leather, or any other material adapted to endure wet. I produce a hole in the said material larger than is required for the finished article, and, applying a quantity of the bushing or button material in a soft condition, form it by dies in its proper position, so as to bush or line the hole, and extend over for a considerable distance around the hole on both faces of the tag.

The following is a description of what I consider the best means of carrying out the invention.

The accompanying drawing forms a part of this specification.

Figure 1 is a face view, and Fig. 2 a longitudinal section, of the completed tag; and Fig. 3 is a sectional representation of means for producing it.

Similar letters of reference indicate like parts in all the figures.

A represents a small sheet of water-proof paper, which forms the body of the tag. B B^1 B^2 is the double button of gutta-percha which lines the hole, and is spread out around the hole on each face. In applying the gutta-percha I propose to employ two dies, M and N, with a center pin, *m*, on the die M, extending into a hole in the opposite die N. This hole is defended against being filled with the gutta-percha by means of a movable piece, *n*, actuated by a spring, *n'*.

The dies being mounted in any suitable press, (not represented,) the previously-prepared pieces of paper A are successively applied in the proper position on the die N, and, a drop of melted gutta-percha being applied by means of a rod, P, the die M *m* is brought forcibly down, The pin *m*, striking on the movable piece *n*, depresses the spring *n'*, and stands in the position to maintain the center of the proper size. As the die M sinks it ultimately compresses and molds the plastic gutta-percha so as to produce a symmetrical and strongly-fitted double button lining and defending the hole. The part B^1 extends out on the lower face of the parchment, and the part B^2 extends out on the upper face of the parchment, and these keep the entire ring B firmly in position.

Gutta-percha adheres with considerable force to the tag material A. There are other materials possessing analogous qualities which may be used instead of gutta-percha. The dies should be highly polished to avoid the adhesion of the hot material thereto.

Ordinary eyelets cannot be made to extend out to a sufficient extent on the two faces without splitting. Furthermore, no ordinary eyelets have the property of adhering to the paper. My bushing B B^1 B^2, applied as shown, projects further than is possible by any other equally cheap device known to me, on the two faces of the body of the tag A; and, furthermore, adheres with great force by virtue of the peculiarities of the material of its being applied in a melted condition and molded in place. I believe that rubber and the allied gums, as also various fusible compositions of bitumen and resins, with sulphur and the like, may be employed in lieu of gutta-percha as the material for my button B B^1 B^2. It is only essential that it be a material which will adhere forcibly to the body A, and may be conveniently molded in place without adhering to the dies.

I do not claim rubber or analogous material on one or both faces, except when it also extends through the hole and thus connects the material facing one face with the material facing the other face; or, in other words, molded in place, substantially as shown.

I claim as my invention—

The within-described tag, having the double button B B^1 B^2 molded in place in and around the hole in the sheet A, and adhering to both faces of the latter, as herein specified.

In testimony whereof I have hereunto set my hand this 21st day of September, 1872, in the presence of two subscribing witnesses.

T. P. MARSTON.

Witnesses:

ORLANDO P. SMITH,

WILLIAM C. DEY.