

# J.C. Cary's Imp<sup>d</sup> Strap Fastening.

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PATENTED APR 26 1870

Fig. 1.

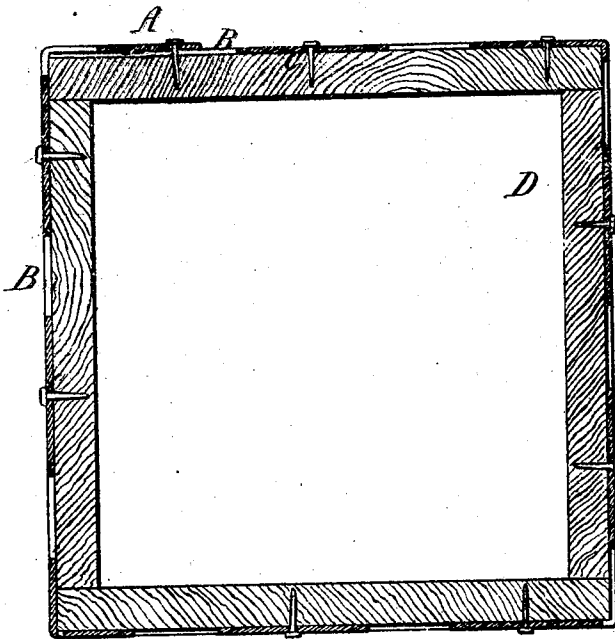


Fig. 2.

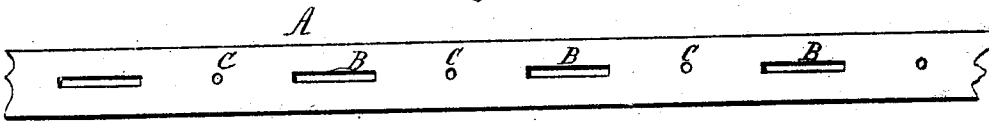
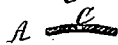


Fig. 3.



Witnesses.  
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# United States Patent Office.

JOSEPH C. CARY, OF NEW YORK, N. Y.

Letters Patent No. 102,370, dated April 26, 1870.

## IMPROVEMENT IN STRAP-FASTENINGS FOR PACKAGES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JOSEPH C. CARY, of the city, county, and State of New York, have invented a new and improved Strap Fastening for Packages; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 is a cross-section of a package to which my improvement is applied, my improved strap being shown in said figure in longitudinal section.

Figure 2 is a plan view of my invention.

Figure 3 is a cross-section of my improved strap when made concave.

Similar letters indicate corresponding parts.

My invention relates to straps of metal or other material for securing boxes, barrels, and other packages; and

It consists in providing such straps with elongated slots extending in the direction of the length of the strap, in combination with intermediate holes, in such a manner that where the ends of the strap overlap, or where one part of the strap comes over another part, the same nail or screw can secure both parts or ends.

My invention further consists in so arranging the length of the slots, and the spaces between the holes and the slots that, in overlapping, at least one of such holes shall coincide with or be opposite a slot.

My invention also consists in making the exterior or exposed surface of the strap convex in cross-section.

The letter A designates my improved strap, which may be manufactured of any convenient length and afterward cut off into shorter lengths, as required for use.

The said strap is provided throughout with slots B and holes C, as shown in the drawing, which are so made and arranged that the distances between the holes shall be less than the length of the slots, in order that when any part of the strap overlaps another part, at least one hole shall come opposite to or shall coincide with some portion of one of the slots, by which construction and arrangement the necessity

for punching or breaking holes in the strap at the time of nailing or securing the package is avoided, and openings are always provided both at the ends and in the body of the strap through which to insert the nails or screws or other article used in securing and bind the strap to and around the package.

In fig. 1 I have illustrated my invention and the manner of applying the same upon a package, the package being marked D.

My invention also embraces the modification of making the nail-holes C also of an elongated form, in which case, however, the security of the fastening must depend in a greater degree on the hold of the head of the nail or screw on the edges of the holes or slots than when the holes C are simply round, so as to encircle the nail or screw closely. In both cases, however, the distances of the openings or holes C from the ends of the slots B must be less than the length of said slots B.

The strap A can be made flat, if desired, but I prefer to make it convex in cross-section on its outer or exposed surface, and I place the flat or concave side down, so that the edges of the strap will not catch against the floor or any object with which the package may come in contact, said edges being protected by the convex part of the strap, which projects above the edges and presents a rounded surface on the exterior of the strap.

This construction also enhances the strength of the strap, without increasing the amount of material used, when the under side of the strap is made concave, as shown in the drawing.

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

1. The improved strap fastening A, provided with slots B lengthwise of the strap, alternating with holes C intermediate of the slots, substantially as described
2. The slots B and holes C, arranged in such a manner that the distances of the holes from the slots shall be less than the length of the slots, substantially as described.

J. C. CARY.

Witnesses:

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