S. S. Barrie,

Box.

No. 109,373. Patented Nov. 22. 1870.

Fig. 1.

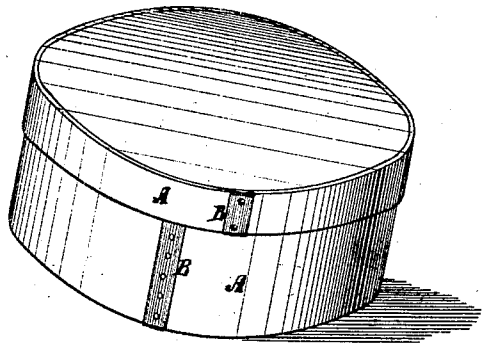
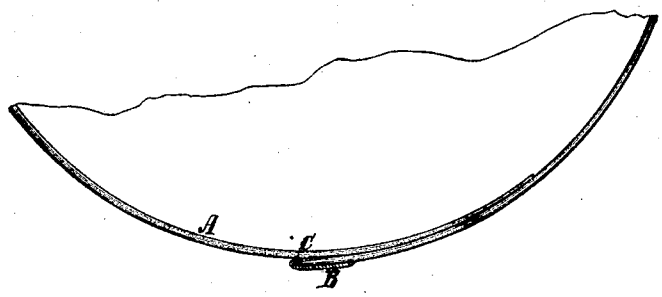


Fig. 2.



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SAMUEL S. BARRIE, OF GREEN POINT, NEW YORK.

Letters Patent No. 109,373, dated November 22, 1870.

IMPROVEMENT IN WOODEN-HOOP BOXES.

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, SAMUEL S. BARRIE, of Green Point, in the county of Kings and State of New York, have invented a new and useful Improvement in Wooden-Hoop Boxes; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to improvement in the construction of wooden-hoop boxes, for containing spices, fruit, and other articles; and

It consists in the form and mode of attaching a sheet-metal tip to the chamfered outer end of the hoops of such boxes, for the purpose of preventing the same from being split or otherwise injured by nails driven through them, or by other means.

The tip is essentially of V-form, in cross-sctional or end view, one of its sides being longer than the other, so that nails driven through the longer side may pass through the wood and be clinched on the inside, as in the case of the ordinary wooden-hoop box.

In the accompanying drawing—

Figure 1 is a perspective view of a box with the metallic tip applied according to my invention.

Figure 2 is a horizontal section, showing an edge view of the lap.

A is the hoop.

B is the tip or shield for the end of the outer layer or lap of the hoop.

This tip consists of a piece of thin sheet metal of a length corresponding with the width of the hoop. One edge of the piece of metal is turned so as to leave a groove to receive the end of the outer lap, as seen in fig. 2. This edge or underlap is confined between the two parts of the hoop, as represented.

The broad portion of the tip is perforated, as seen in fig. 1, so that it can be secured to the end and confine the two parts of the hoop together, the tacks being driven through and clinched on the inside of the box.

The tip is slightly curved when it is made, so that when the hoop is "rolled" it conforms to the circle.

The tip is made of tin or other suitable sheet metal, and perforated, and then placed upon the end of the chamfered end of the hoop, and the end of the underlap C of the hoop is firmly pressed between the parts of the hoop. The hoop is then rolled in the "former" and nailed.

The tip prevents the splitting of the end when nailing, thus greatly strengthening the box, besides giving it a handsomer finish.

Having thus described my invention,

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

The sheet-metal tip or shield B, fitted over the outer chamfered end of the hoop A, and having its outer side longer than the inner, as and for the purpose specified.

SAMUEL S. BARRIE.

Witnesses:

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