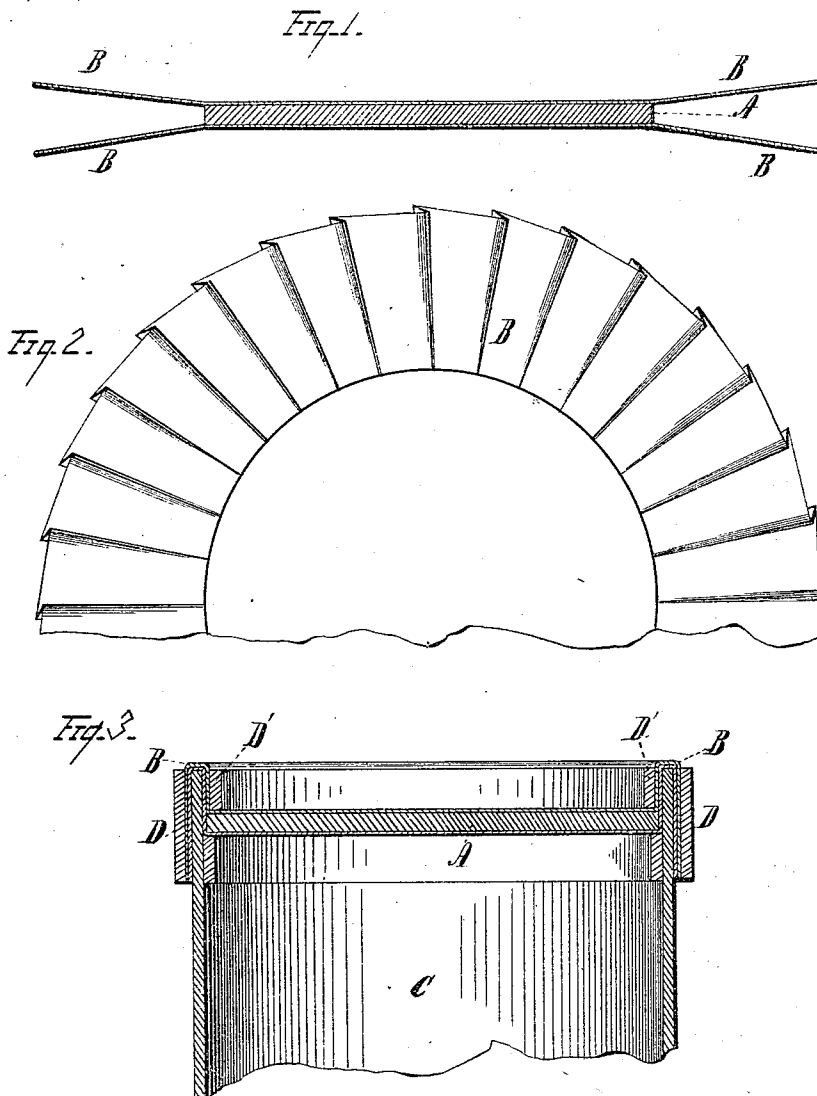


G. A. HOUSTON.
Heads for Paper Barrels.

No. 148,824.

Patented March 24, 1874.



WITNESSES.

W. D. Newman,

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UNITED STATES PATENT OFFICE.

GEORGE A. HOUSTON, OF BELOIT, WISCONSIN.

IMPROVEMENT IN HEADS FOR PAPER BARRELS.

Specification forming part of Letters Patent No. **148,824**, dated March 24, 1874; application filed January 23, 1874.

To all whom it may concern:

Be it known that I, GEORGE A. HOUSTON, of Beloit, in the county of Rock and State of Wisconsin, have invented certain new and useful Improvements in Heads for Paper Barrels; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in heads for casks, barrels, or other similar packages.

In the drawings, Figure 1 represents a section of my invention; Fig. 2, a plan view of the same, and Fig. 3 the same as applied.

My invention consists in the following parts and combinations, as hereinafter specified and claimed, wherein A is a piece of pasteboard, tar-board, or *papier-maché*, or other equivalent material, suitably formed to fit into the package to which it is to be applied. Upon one or both faces of this piece A are pasted sheets of manila paper or any suitable flexible material or fabric, B, thus constituting a flexible edge to the head A. C is the cask, barrel, or package. D D' are hoops for retaining the head A.

My invention is applied as follows, (see Figs. 2 and 3:) The edge of the flexible material B, which projects beyond the head A, is properly crimped, substantially as shown in Fig. 2. The piece A is then forced into its proper position in the package C, and the edges of the fabric B bent outward over the rim of the package C, after which it is secured by the hoops D D', or their equivalents. If deemed necessary, a coating of any suitable water-proof or air-tight substance may be painted or applied over the head A and its flexible edge B, for obvious purposes.

My invention is designed particularly to enable heads of paper, pasteboard, or other similar material to be employed in packages.

What I claim is—

A cask, barrel, or package provided with a head, A, having a flexible edge, B, said edge being secured to the package by the hoops D D', substantially as and for the purpose described.

In testimony that I claim the foregoing, I have hereunto set my hand this 22d day of January, 1874.

GEORGE A. HOUSTON.

Witnesses:

LEVERETT L. LEGGETT,
ACLAUD BOYLE.