

W. H. MURPHY.

HEADS FOR PAPER BARRELS.

No. 175,139.

Patented March 21, 1876.

Fig. 1.

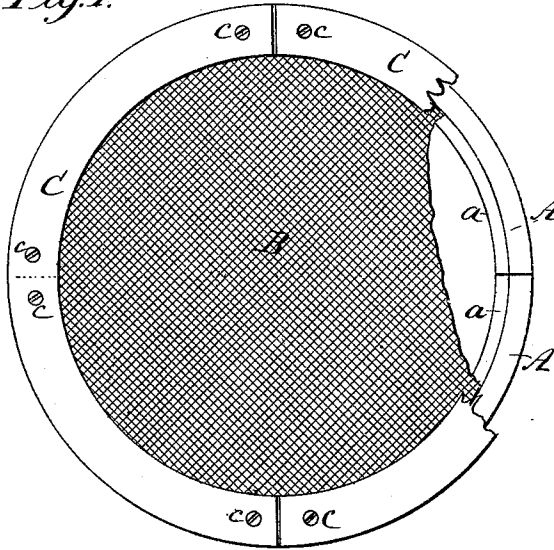
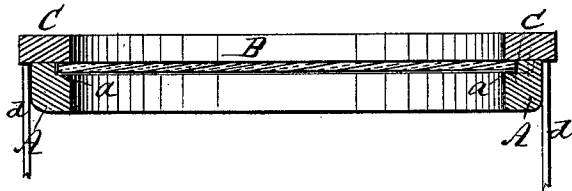


Fig. 2.



Witnesses

Johnston Miller
C. W. Smith

Inventor

W. H. Murphy.

UNITED STATES PATENT OFFICE.

WILLIAM H. MURPHY, OF SYRACUSE, NEW YORK, ASSIGNOR OF ONE-HALF HIS RIGHT TO JOHNSTON MILLER, OF SAME PLACE.

IMPROVEMENT IN HEADS FOR PAPER BARRELS.

Specification forming part of Letters Patent No. **175,139**, dated March 21, 1876; application filed January 8, 1876.

To all whom it may concern:

Be it known that I, WILLIAM H. MURPHY, of the city of Syracuse, in the county of Onondaga and State of New York, have invented a new and useful Improvement in Heads for Paper Packages; which improvement is fully set forth in the following specification, reference being had to the accompanying drawings, which form a part of this specification.

The letters of reference used represent corresponding parts wherever they occur.

Fig. 1 represents a top view of the head, with a portion of the upper part broken out, and Fig. 2 represents a transverse sectional view thereof.

A A represent two semicircular wooden head-pieces of such length that, when put together in a circular form, the outside periphery of the circle thus made will be just enough smaller than the inside periphery of the end of the package to allow the wooden circle to fit snugly inside thereof.

Around the inner periphery of these circular pieces on the upper side, I cut out the edge or corner of the wood so as to make a square shoulder or rim, *a a*. I cut this out of the pieces when they are straight, and before they are bent to a circular form. I do not cut a slot or groove in them, nor do I croze them.

This shoulder or rim *a a* is cut in these pieces A A for the purpose of forming a support for the center-piece B of the head, which piece B is made circular in form and of such size as to fit all around upon the shoulder *a a*, which is cut out of the same depth as the thickness of the material to be used for the head-piece B, and I prefer to use paper or pasteboard of the same weight, thickness, and material as that of which the package itself is constructed.

Having placed the head-piece B in position upon the shoulders *a a* of the pieces A A, I then take two plain semicircular wooden chime-pieces, C C, and fasten them securely by nails or screws *c c* to the pieces A A in such manner as to break joints, in order to give greater strength or durability, as shown by the dotted

lines in Fig 1. These chime-pieces C C are made enough wider than the pieces A A so that the outer periphery of the circle formed by putting them together shall project over the outer periphery of the pieces A A a distance of a little more than the thickness of the paper *d* used in making the package.

The inner periphery of the circle made of the chime-pieces C C may be of the same size or a little smaller than that of the pieces A A, so as to project over a little on the inside, to give more strength. When thus placed in position and fastened, the chime-pieces C C will press all around upon the edges of the head-piece B and hold them down snugly to the shoulder *a a* and make a tight joint.

These chime-pieces C C are made of sufficient thickness so that when put into the head they will form a chime for the package.

Having thus constructed my head, I press it down into the paper package with the pieces A A inside as far as the outer projections of the pieces C C will allow, and fasten it in place by nails or screws or in any ordinary manner, through the paper into the pieces A A.

A hoop may be used at either or both ends of the package, as desired, and then the head will be fastened in by nailing through the hoop and the paper into the pieces A A.

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

1. An improved head for paper packages, constructed of the pieces A A, with the shoulder *a* thereon, the chime-pieces C C so arranged as to break joints with the pieces A A and the head-piece B, substantially as above described.

2. In a head for paper packages, the combination of the pieces A A, shoulder *a*, chime-pieces C C, and head-piece B, constructed and operated substantially as above described.

W. H. MURPHY.

Witnesses:

JOHNSTON MILLER,
C. W. SMITH.