

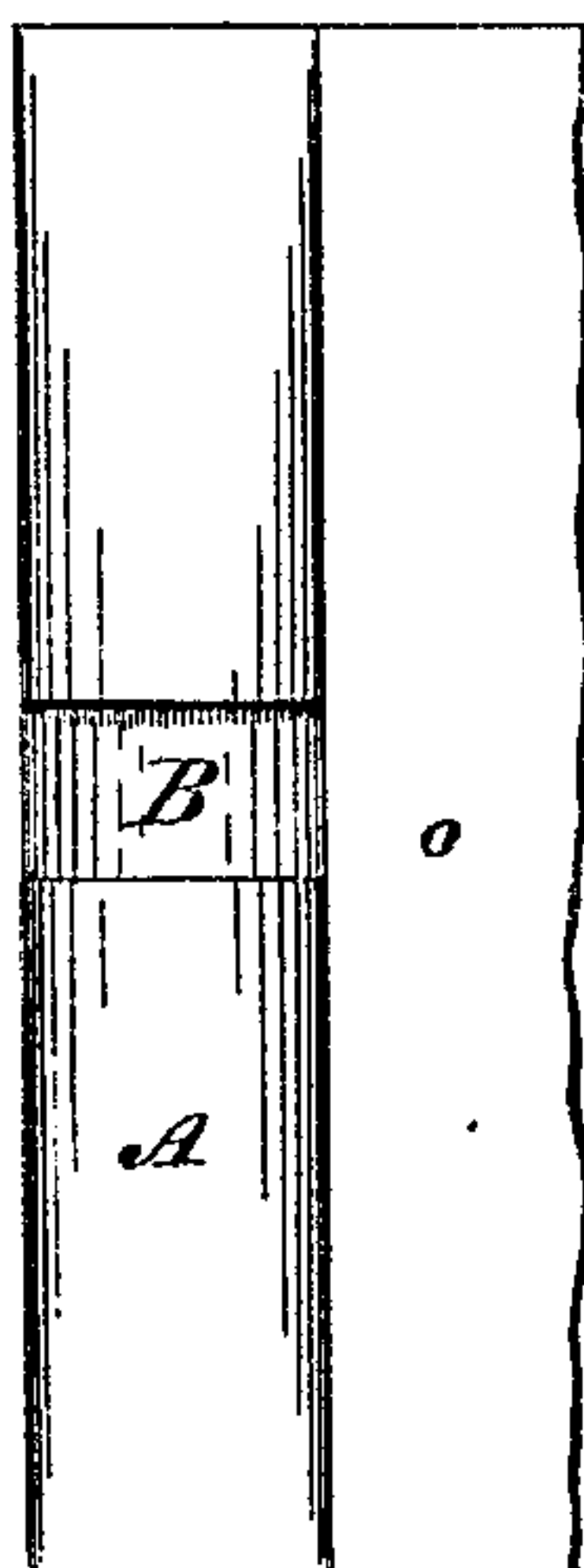
W. H. MURPHY.

JOINTS FOR PAPER PACKAGES.

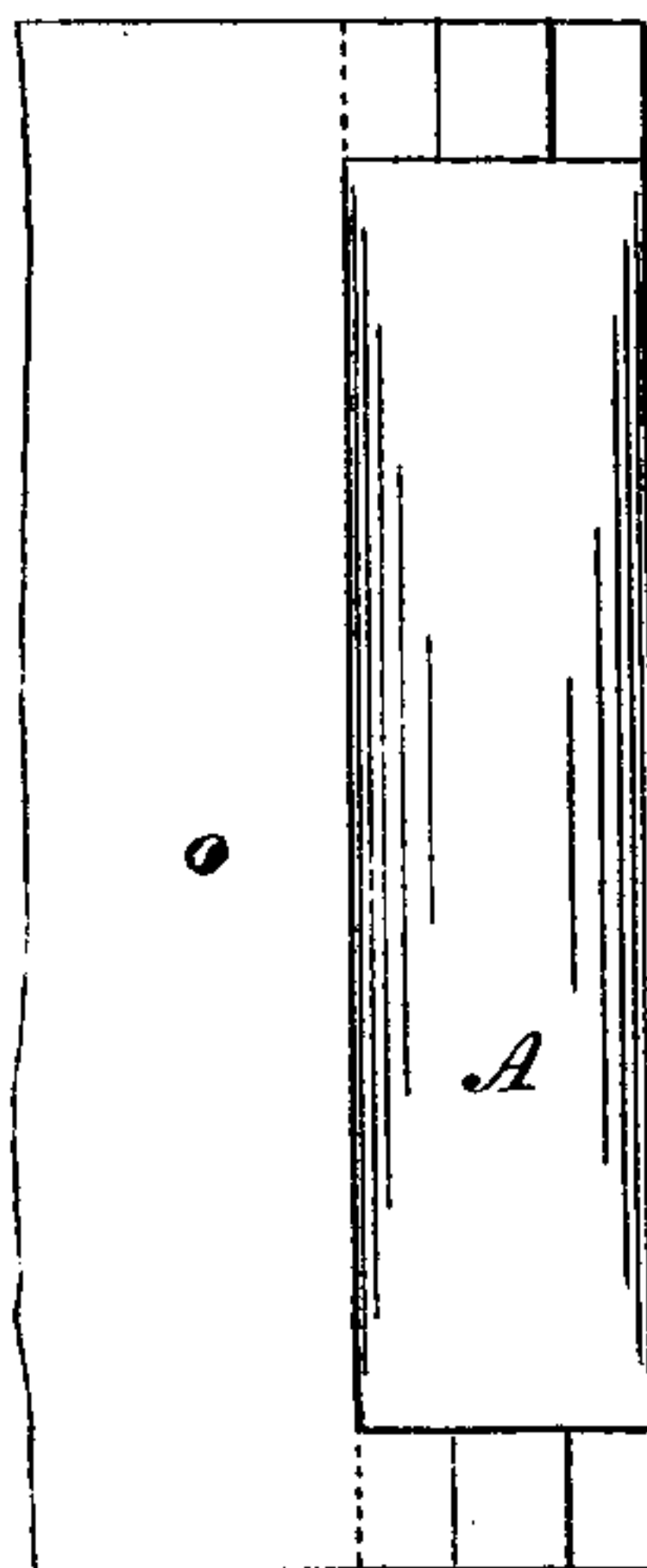
No. 183,196.

Patented Oct. 10, 1876.

*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES

Johnston Miller  
C. M. Smith

INVENTOR

W. H. Murphy

# UNITED STATES PATENT OFFICE.

WILLIAM H. MURPHY, OF SYRACUSE, NEW YORK, ASSIGNOR OF A PART OF  
HIS RIGHT TO JOHNSTON MILLER AND SAMUEL A. SEAGER, OF SAME  
PLACE.

## IMPROVEMENT IN JOINTS FOR PAPER PACKAGES.

Specification forming part of Letters Patent No. **183,196**, dated October 10, 1876; application filed  
June 26, 1876.

*To all whom it may concern:*

Be it known that I, WILLIAM H. MURPHY, of Syracuse, in the county of Onondaga and State of New York, have invented a new and useful Improved Joint for Paper Packages, which I have fully described in the following specification, reference being had to the accompanying drawings, in which—

Figure 1 represents a perspective view of the same on the front side; Fig. 2, a perspective view of it on the inner side; and Fig. 3, a transverse sectional view.

The object of my invention is to make a strong but very simple joint for paper packages, made with one or more joints, and at the same time dispense entirely with any form of dovetailing the paper, and also with any riveting or nailing of the parts together.

In making this joint, I take a thin strip of wood, A, of suitable width and of the same length as that of the proposed package, and in both edges thereof I cut a groove, *b*. This groove is like the groove made in a board for matching, and extends the whole length of the piece A, on both sides. The width of this groove is to be governed by the thickness of the paper used in the package—*i. e.*, of such width that the paper will fit closely in it. Having thus made the strip A, I then, to complete the joint, insert the edges of the paper C, cut straight, into the grooves *b*, and placing

the hoops upon the package the joint is complete, and the tighter the hoops are driven down the farther the paper is forced into the grooves *b*, and the tighter the joint becomes. In order that it may look better, I bevel or round off the edges of the piece A down to the grooves on all sides. I also cut off the inner part of the piece A, as shown in Fig. 2, leaving a small shoulder for the head of the package to rest upon. This joint is especially adapted to packages having a bilge, and to further increase its usefulness I cut one or more shallow transverse slots, B, across the front side of the piece A. The object and purpose of these slots are to hold the bilge hoop or hoops of the package in place firmly, so that they cannot slip out of place, without being nailed fast, as the hoop when driven down snaps into the slot B, which is made of suitable width, and can only be removed by being pried out.

What I claim as my invention is—

The above described joint for paper packages, made of the strip A, having the grooves *b* and slot B therein, in combination with the paper sides *c*, when constructed and operated substantially as above described.

W. H. MURPHY.

Witnesses:

JOHNSTON MILLER,  
C. W. SMITH.