

*W. G. Slater,*  
*Press for Forming Soles for Packs.*  
*No. 110,299.* *Patented Dec. 20. 1870.*

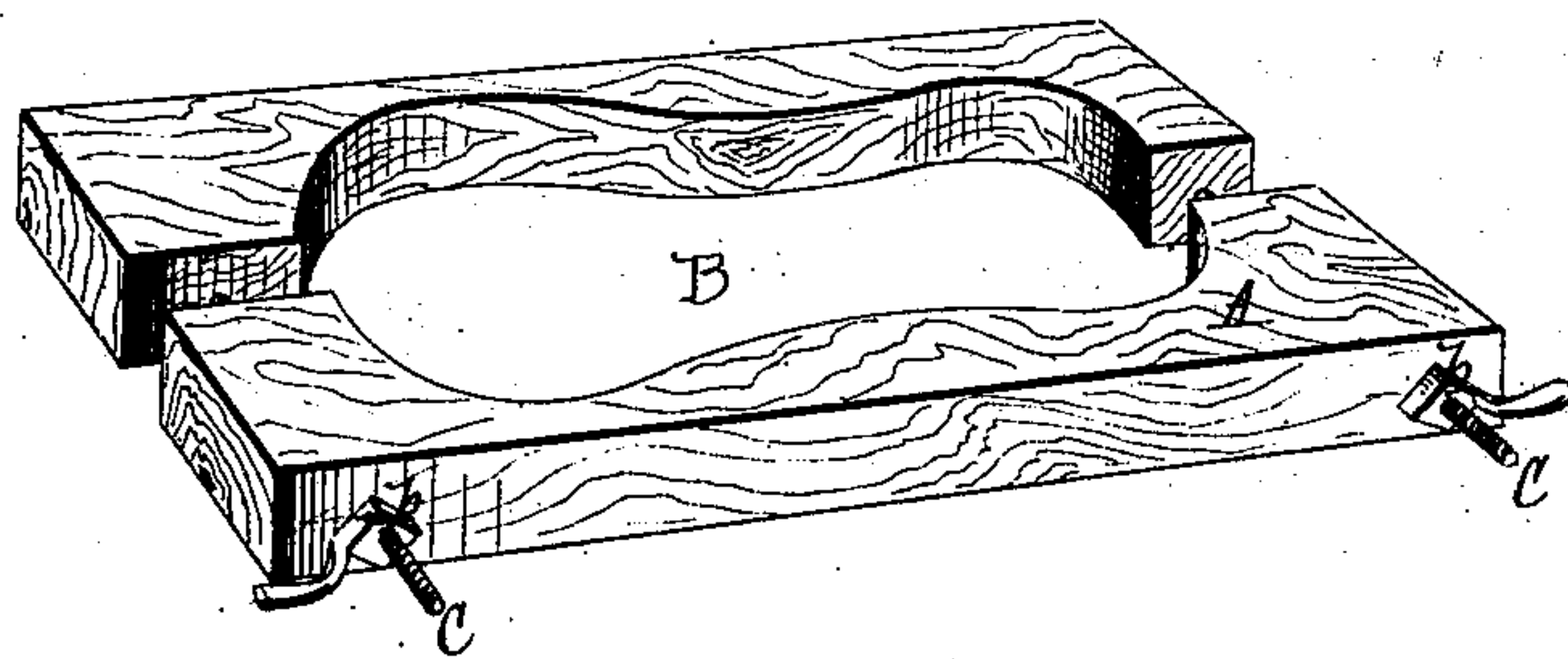
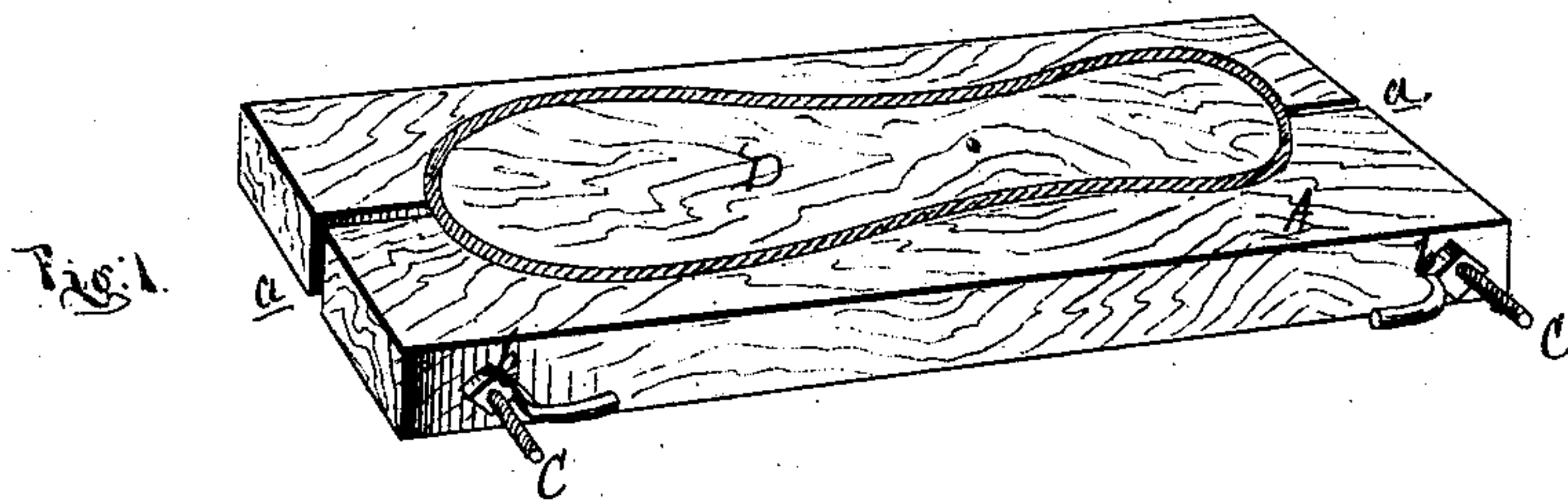
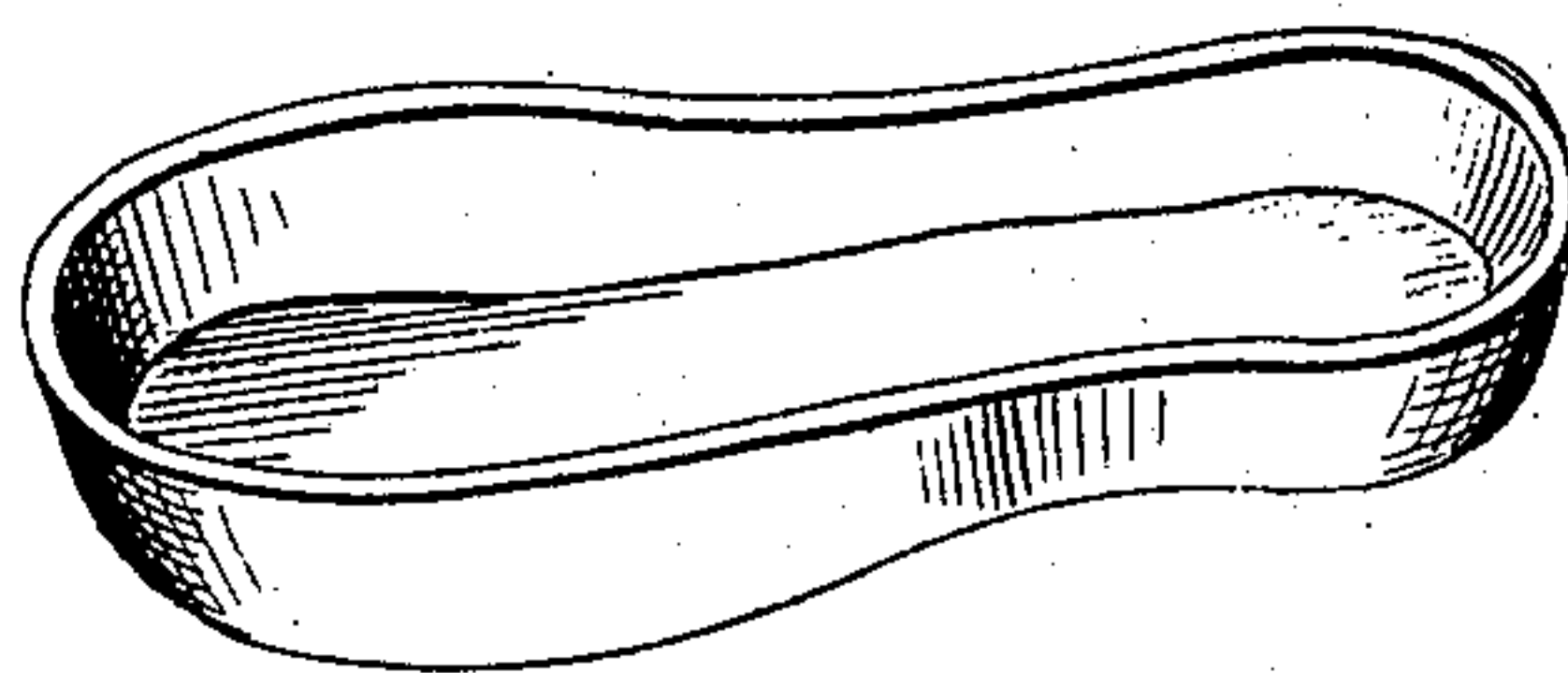
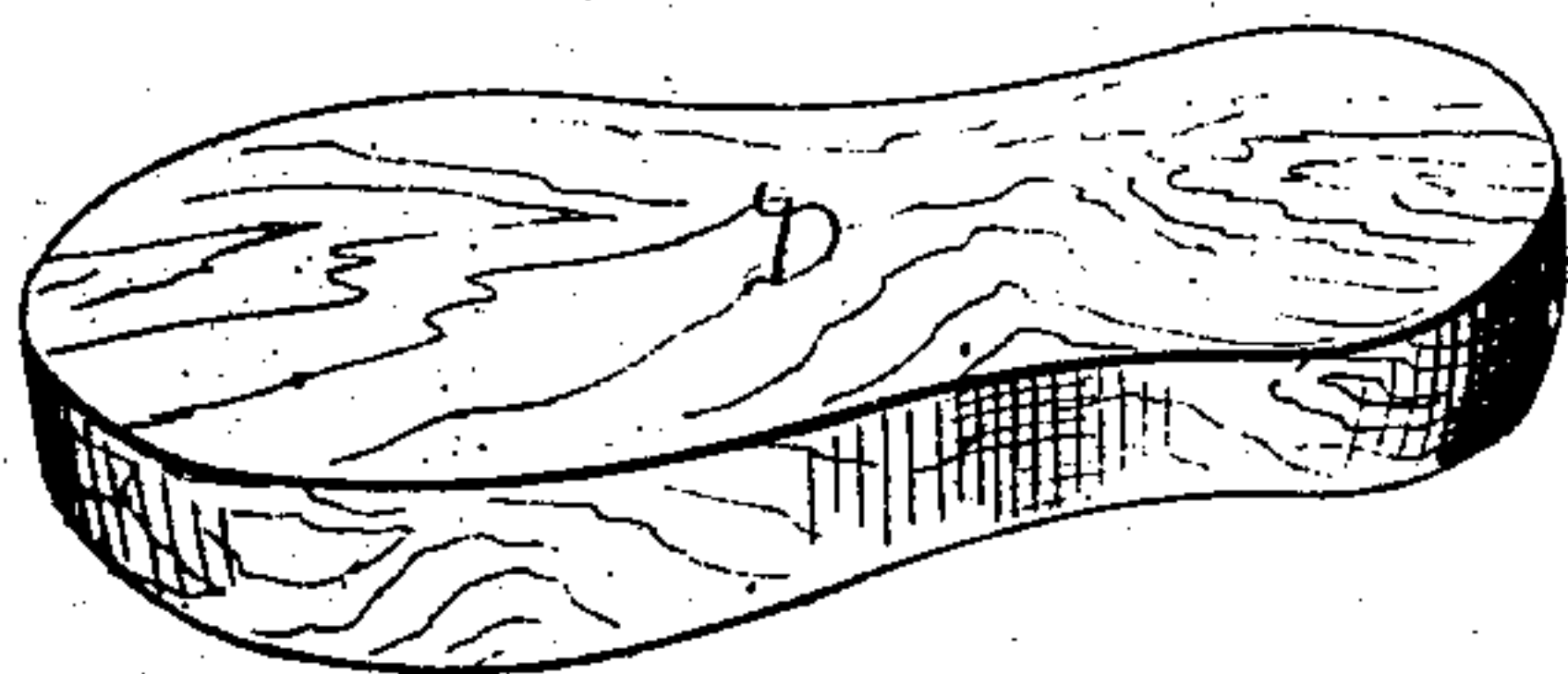


Fig. 2



ATTEST

*Madison*  
*Percey*

INVENTOR  
*W. G. Slater*  
*Percey*  
*Thos. S. Sprague*

# United States Patent Office.

WARREN G. SLATER, OF HART, MICHIGAN.

Letters Patent No. 110,299, dated December 20, 1870.

## IMPROVEMENT IN PRESSES FOR FORMING SOLES FOR PACKS.

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

### *To whom it may concern:*

Be it known that I, WARREN G. SLATER, of Hart, in the county of Oceana and State of Michigan, have invented a new and useful Improvement in Press for forming Bottoms for Boot and Shoe-Packs; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon and being a part of this specification, in which—

Figure 1 is a perspective view of my device.

Figure 2, detached views of the parts.

Like letters indicate like parts in each figure.

The nature of this invention relates to the construction of a cheap and durable press in which to form the bottoms of boot and shoe-packs.

The invention consists in a press of peculiar construction, so arranged as to be adjustable, to be worked rapidly, of small cost, and that will be very durable.

In order that those skilled in the art may know how to construct and operate my device, I will now proceed to describe its various parts.

In the accompanying drawing—

A represents a block, which may be of hard wood if deemed preferable, split or sawn in two in the center of its width, upon the lines *a*.

Through this block is cut a hole, B, corresponding in shape to the bottom of a man's foot.

A bolt, C, provided with nuts, *b*, secures the halves

of the block together, while by loosening or tightening said bolts the halves may be made to recede from or approach each other.

D is a follower, of the shape of the hole B, and somewhat smaller.

The leather from which the pack-bottom is to be formed being suitably prepared, the operator places the leather over the hole B, and then lays the follower D onto the leather, when a smart blow with a hammer drives the follower, with the leather, into the hole, where they should remain until the leather assumes the shape of the follower and hole.

Should one piece of leather be thicker than can be admitted into the hole around the follower, the nuts *b* should be loosened enough to admit it. If thinner, tightening said nuts will prevent difficulty in forming a smooth bottom.

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

The combination of the divided block A provided with the opening B, the bolts C, and thumb nuts *b*, with the follower D, when constructed and arranged substantially as described and shown, for the purpose set forth.

WARREN G. SLATER.

Witnesses:

THOS. S. SPRAGUE,  
M. STEWART.