

(No Model.)

F. P. MORRISON.
BOX LIFTER.

No. 446,924.

Patented Feb. 24, 1891.

Fig. 1.

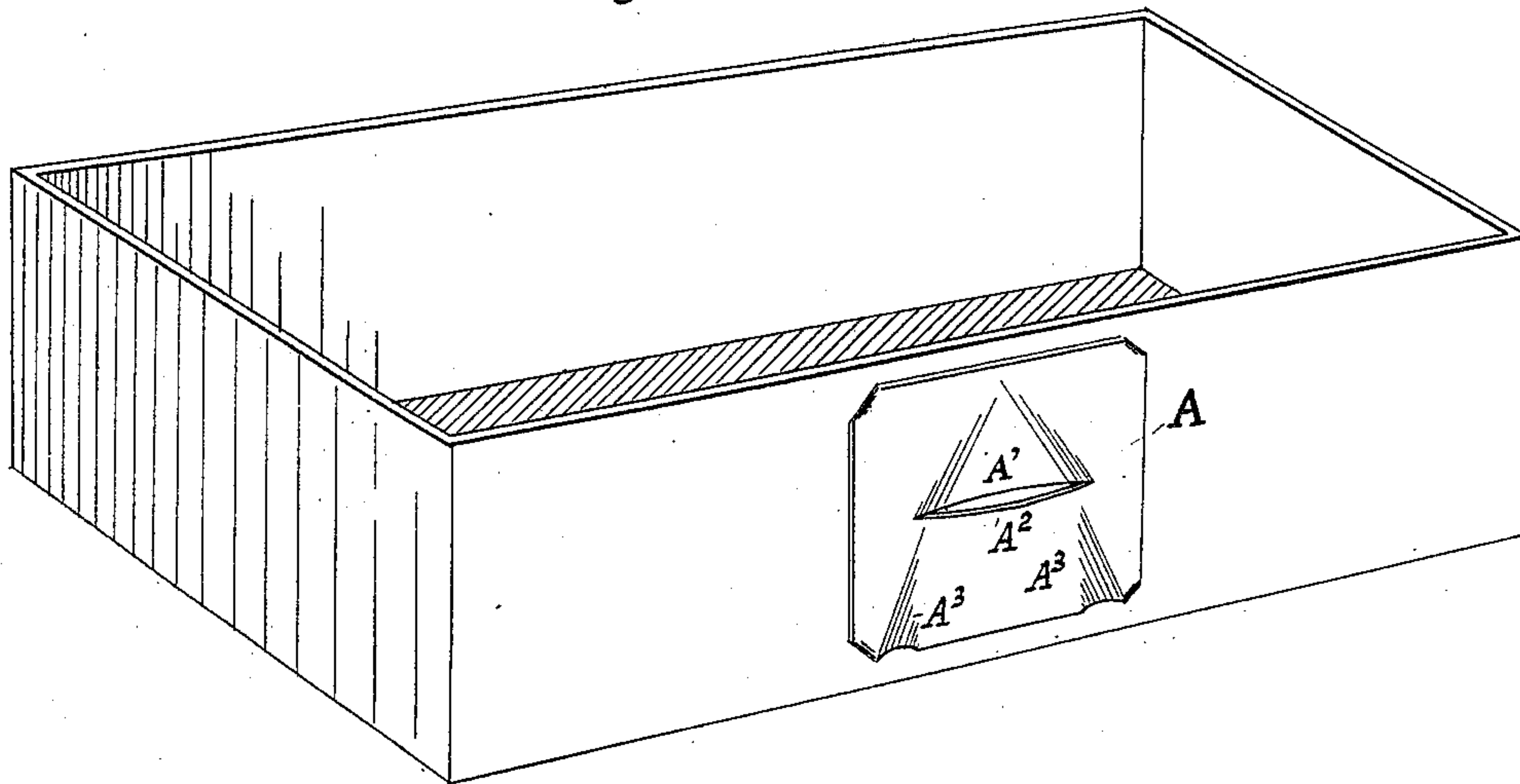
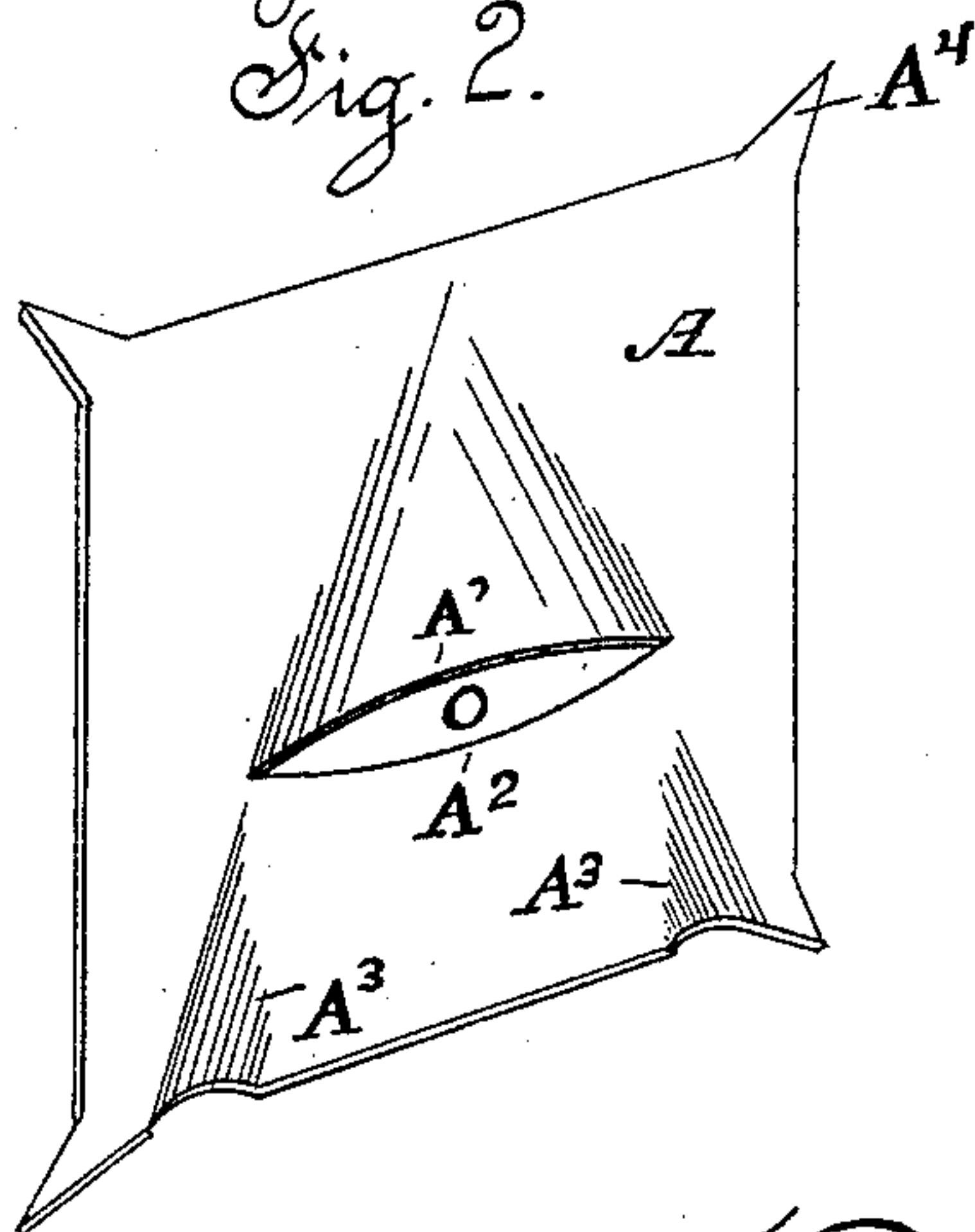


Fig. 2.



WITNESSES
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FRANKLIN PHILIP MORRISON, OF BIG SKIN CREEK, WEST VIRGINIA.

BOX-LIFTER.

SPECIFICATION forming part of Letters Patent No. 446,924, dated February 24, 1891.

Application filed October 16, 1890. Serial No. 368,344. (No model.)

To all whom it may concern:

Be it known that I, FRANKLIN PHILIP MORRISON, a citizen of the United States, residing at Big Skin Creek, in the county of Lewis and State of West Virginia, have invented a certain new, useful, and valuable Improvement in Box-Lifters, of which the following is a full, clear, and exact description.

The object of this invention is to provide a box-lifter, whereby boxes located on shelves above the head may be lowered or replaced without climbing or the use of step-ladders.

This invention has as a further object to provide a modified and improved construction over those shown and claimed in my patent, No. 423,621, dated March 18, 1890.

The present invention consists in a socket formed of sheet metal, pasteboard, or other suitable material, said socket being of such a shape as to adapt the same to receive the end of a yard-stick or other pole adapted for the purpose in view, whereby said boxes may be brought down from their shelves or replaced thereon, as desired.

Other objects and advantages of the invention will appear in the following description, and the novel features thereof will be particularly pointed out in the claims.

In the accompanying drawings, Figure 1 represents a perspective view of a box with my improved lifter applied thereto. Fig. 2 shows the lifter before it is applied to the box.

Referring to the drawings, A represents my improved box-lifter, which is preferably made by slitting a square-shaped piece of sheet metal or other like material, and bending the part A' above said slit upward and the part A² below the slit downward, which bending of the two parts causes a contraction at the lower part of the plate, so as to allow the formation of the two ridges A³ from the surplus metal, caused by said contraction. These ridges

serve to guide the end of the stick into the opening O and also prevent the box from turning oversidewise while on the end of the stick, as any tendency in that direction would be checked by the one or the other of the ridges bearing against the side of the stick.

I may secure the plate or box lifter to the box either by means of the spurs A⁴, which are run through the box and clinched on the opposite side, or by pasting or gluing the same to the box.

Having described my invention, what I claim is—

1. The herein-described box-lifter, the same comprising a securing-plate having the part above a lateral slit made therein struck upward, so as to form an inverted socket.

2. The herein-described box-lifter, the same comprising a securing-plate having the part above a lateral slit made therein struck upward, so as to form an inverted socket, said plate being provided with a series of securing-spurs.

3. The herein-described box-lifter, the same comprising a securing-plate having the part above a lateral slit made therein struck upward, so as to form an inverted socket, and having two guide-ridges A⁶ struck upward from the lower part of said plate.

4. The herein-described box-lifter, the same comprising a securing-plate having the part above a lateral slit made therein struck upward, so as to form an inverted socket having two guide-ridges, substantially as shown, and provided with a series of securing-spurs.

In testimony whereof I affix my signature in presence of two witnesses.

FRANKLIN PHILIP MORRISON.

Witnesses:

J. H. BUSH,
C. A. CLARK.