

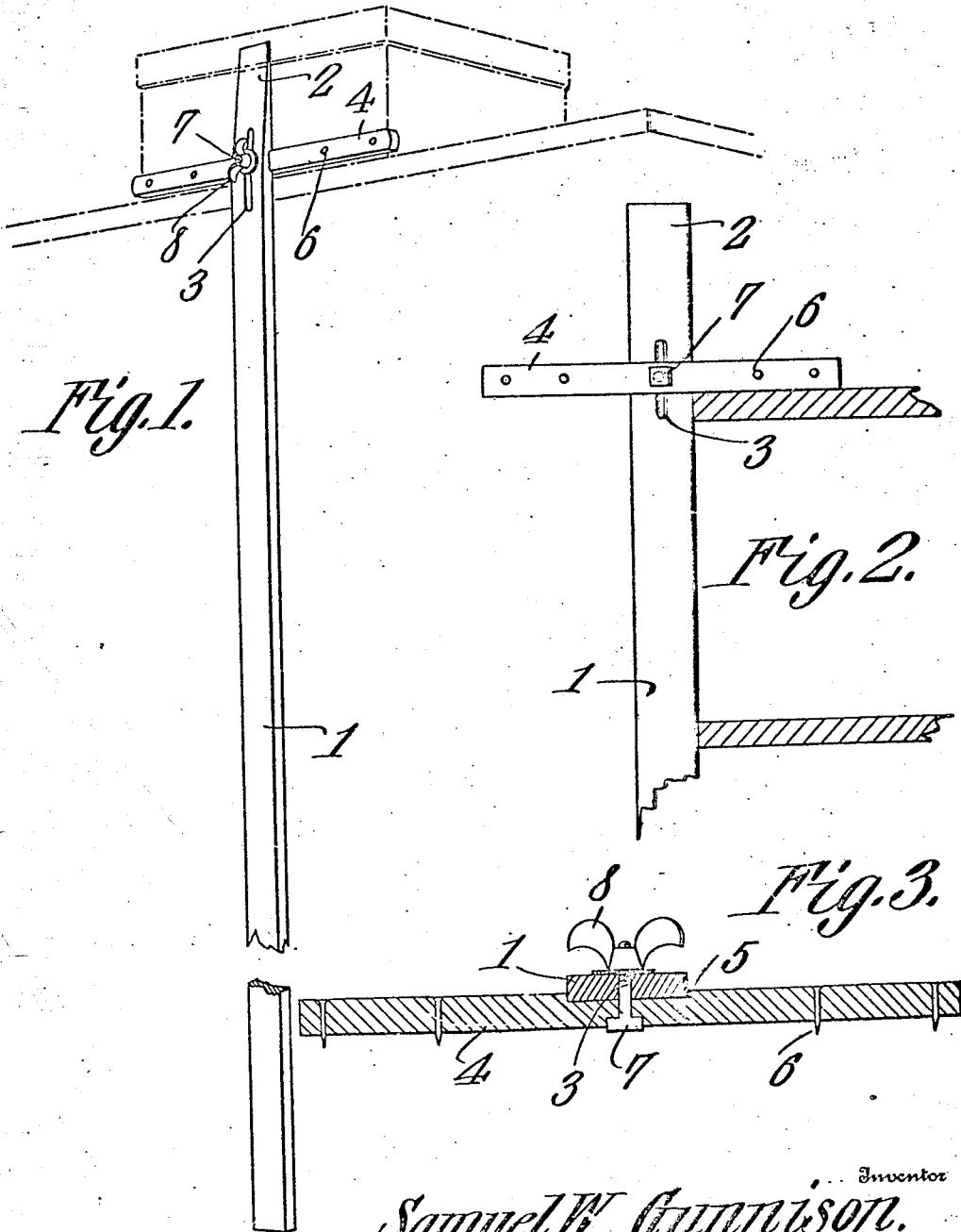
No. 895,366.

PATENTED AUG. 4, 1908.

S. W. GUNNISON.

BOX LIFTER.

APPLICATION FILED JAN. 2, 1908.



Witnesses

E. H. Hunt
C. Daniels

... Inventor
Samuel W. Gunnison.

By *C. A. Snow*
Attorneys

UNITED STATES PATENT OFFICE.

SAMUEL WRIGHT GUNNISON, OF ALBANY, GEORGIA.

BOX-LIFTER.

No. 895,366.

Specification of Letters Patent.

Patented Aug. 4, 1908.

Application filed January 2, 1908. Serial No. 408,996.

To all whom it may concern:

Be it known that I, SAMUEL WRIGHT GUNNISON, a citizen of the United States, residing at Albany, in the county of Dougherty and State of Georgia, have invented a new and useful Box-Lifter, of which the following is a specification.

This invention has relation to box lifters and it consists in the novel construction and arrangement of its parts as hereinafter shown and described.

The object of the invention is to provide a simple and durable box lifter which is adapted to effectually engage a rectangular box for removing or placing the same upon a shelf.

The lifter consists primarily of a handle staff which is wedge shaped at one end and which is provided near its wedge shaped end with an elongated slot. A cruciform arm is provided at one side with a transversely disposed channel which is adapted to snugly receive the edges of the staff. A bolt passes transversely through said arm and through the elongated slot of the staff and is provided with a wing nut which constitutes means for adjustably securing the arm to the staff. The arm is provided with a series of box engaging prongs.

The parts of the device are so arranged that the arm is always held at a right angle to the staff by means of the said channel, and consequently, one end of the said arm may be projected over the edge of a shelf which forms a support for the lifter when not in use.

In the accompanying drawing: Figure 1 is a perspective view of the lifter. Fig. 2 is a side elevation of the upper portion of the same shown as being supported by a shelf, and Fig. 3 is a sectional view of the lifter cut through the arm thereof.

The lifter consists of the handle staff 1 which is wedge shaped at its upper end, as at 2. The staff 1 is provided at its upper end portion with an elongated slot 3. The cruciform arm 4 is provided at one side with a transversely disposed channel 5 which is adapted to snugly receive the edges of the staff 1. Said arm 4 is also provided with the box engaging prongs 6. The bolt 7 passes transversely through the arm 4 and through the slot 3 and is provided with a wing nut 8 which forms a means for securely clamping the arm 4 to the staff 1. It is obvious that by

loosening the nut 8 the bolt 7 may be shifted laterally along the slot 3 and the arm 4 is correspondingly adjusted along the staff 1. Thus, means is provided for adjusting the arm 4 upon the staff 1 in order that the lifter may be used for handling boxes which differ in sizes.

In all of its adjusted positions the arm 4 is securely retained upon the staff 1 by means of the channel 5 against turning upon the bolt 7 as a pivot. Consequently, the said arm 4 is at all times at a right angle to the staff 1 and the arm may be conveniently and effectually used as a means for hanging or suspending the device from the edge of a shelf in the manner as illustrated in Fig. 2. Furthermore, the channel 5 upon the arm 4 will prevent the said arm from having any tendency to turn upon the bolt 7 as a pivot should the box with which the said arm is in engagement be heavier at one side than the other.

In engaging a box the wedge shaped end 2 is inserted between the edge of the cover of the box and the side thereof and the prongs 6 are forced against the lower portion of the side of the box. When the lifter is so applied the box may be readily removed from an elevated shelf or placed upon such a shelf by one standing upon the floor without the use of a ladder.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

1. A lifter comprising a staff having an elongated slot, an arm provided with prongs, a bolt passing transversely through the arms and said slot and being adjustably secured to the staff.

2. A lifter comprising a staff having an elongated slot, an arm having prongs and being provided with a channel which snugly receives the edges of the staff and a bolt passing transversely through the arm and the slot and being adjustably attached to the staff.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

SAMUEL WRIGHT GUNNISON.

Witnesses:

C. C. SMITH,
J. M. DUCKWORTH, Jr.