

J. SMITH.

Bolts for Doors and Gates.

No. 145,131.

Patented Dec. 2, 1873.

Fig. 1

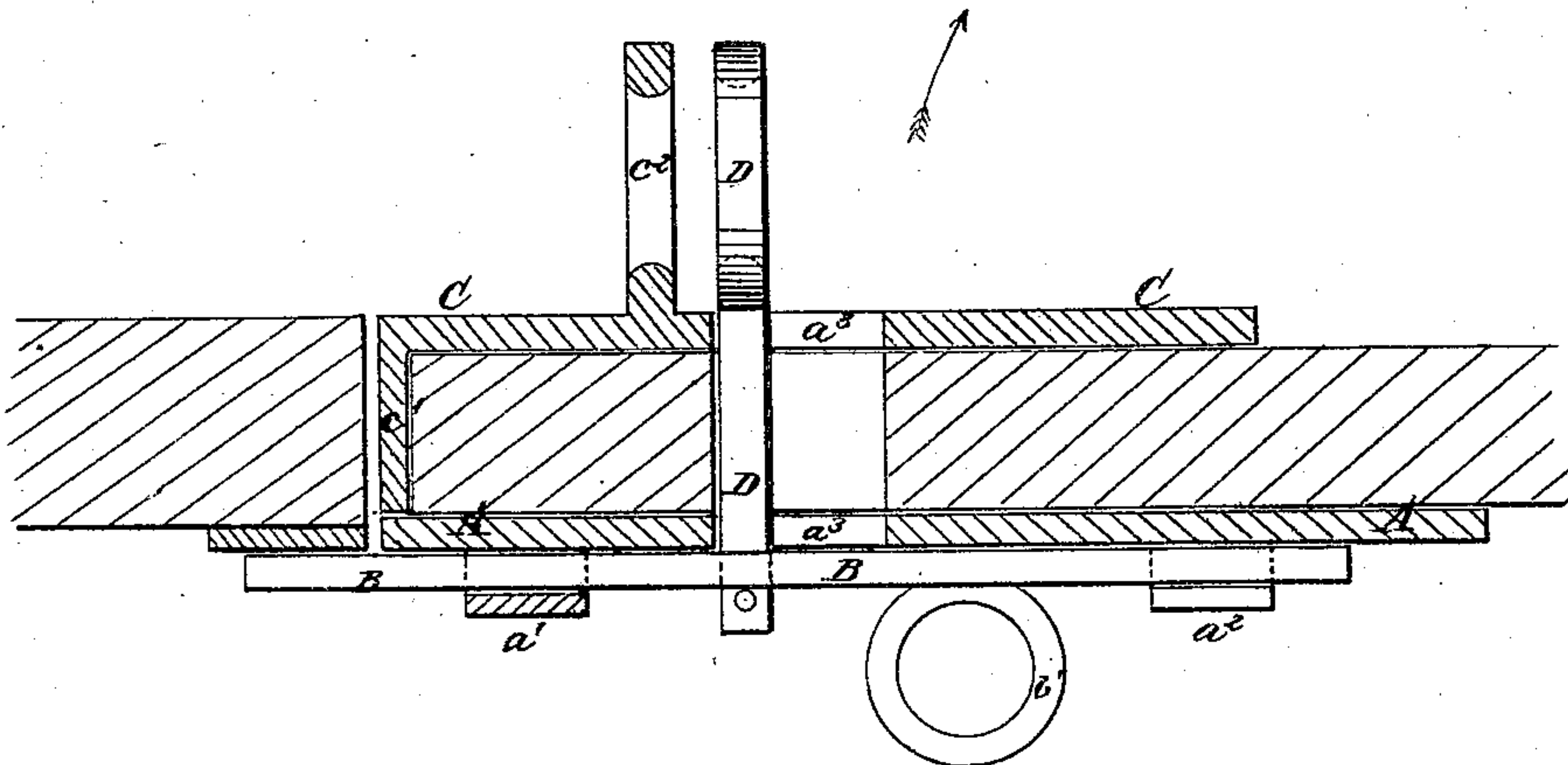
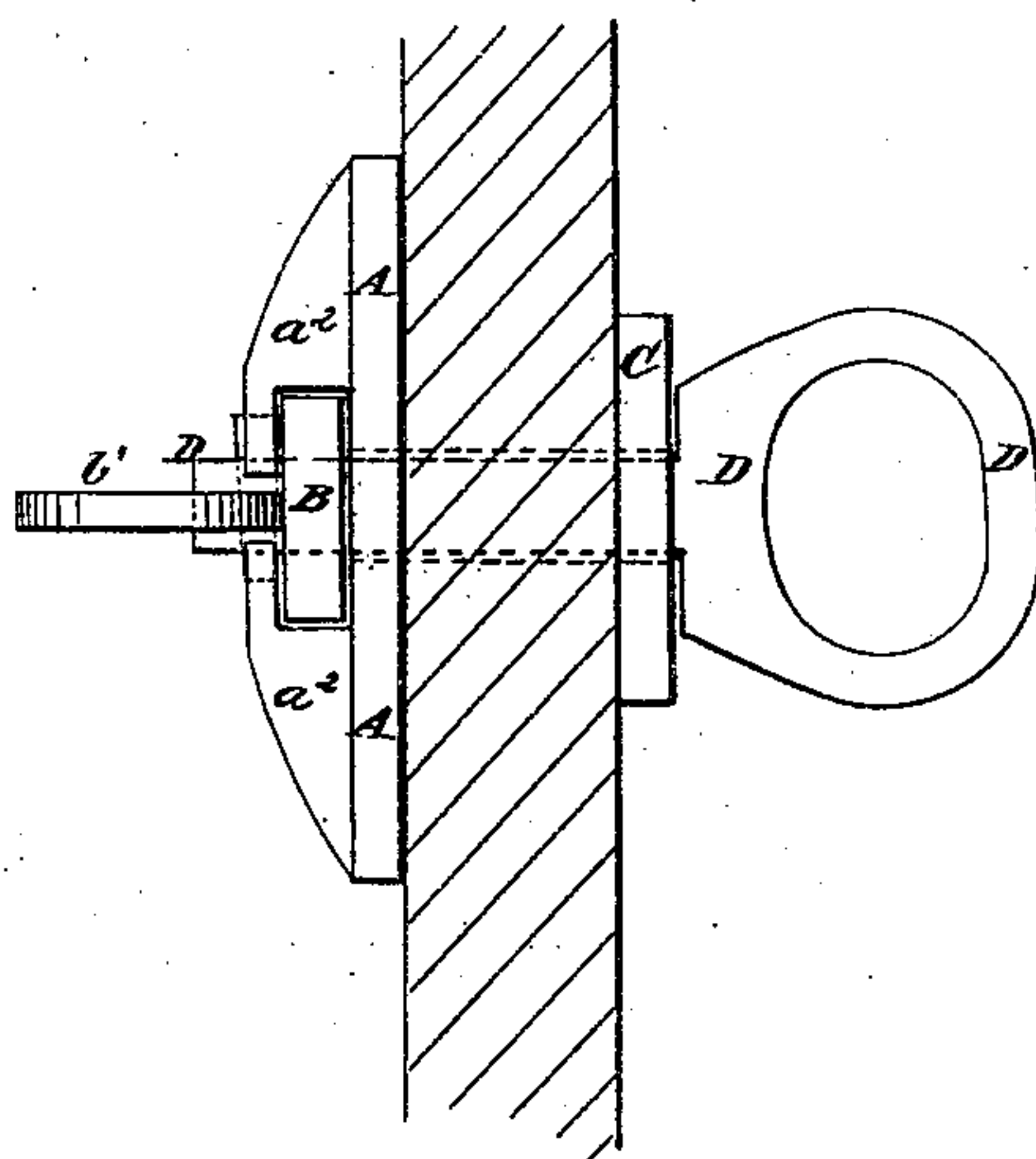


Fig. 2



Witnesses:

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Inventor.

Per

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# UNITED STATES PATENT OFFICE.

JOSIAH SMITH, OF SOUTHOLD, NEW YORK, ASSIGNOR TO HIMSELF AND L. F. TERRY, OF SAME PLACE.

## IMPROVEMENT IN BOLTS FOR DOORS AND GATES.

Specification forming part of Letters Patent No. 145,131, dated December 2, 1873; application filed November 1, 1873.

*To all whom it may concern:*

Be it known that I, JOSIAH SMITH, of Southold, in the county of Suffolk and State of New York, have invented a new and useful Improvement in Door and Gate Fasteners, of which the following is a specification:

Figure 1 is a detail horizontal section of my improved fastener. Fig. 2 is an end view of the same, showing a part of the door in section.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved fastening for doors, gates, &c., which shall be simple in construction, inexpensive in manufacture, neat, strong, and durable, and convenient in use. The invention consists in the inner plate, cast with a closed keeper, a slotted keeper, and a slot; the bolt B, cast with a loop or handle and a hole; the outer plate, cast with a flange, a loop, and a slot; and the loop-handle, constructed and arranged, in connection with each other, as hereinafter fully described.

A is the inner plate of the fastening, which is cast with two keepers,  $a^1$   $a^2$ , to receive the bolt B. The bolt B has a loop,  $b'$ , cast upon it, to serve as a handle for operating it upon the inner side of the door or gate. The rear keeper  $a^2$  is cast with a transverse slot through its middle part, to allow the handle  $b'$  to pass through when slipping the bolt into place. C is the outer plate, which is cast with

a flange,  $c^1$ , to overlap the edge of the door, as shown in Fig. 1. D is a loop or handle, the stem of which passes through a slot,  $c^3$ , in the outer plate C, a slot in the door, and a slot,  $a^3$ , in the inner plate A, and enters a hole in the bolt B, where it is secured in place by a pin or other suitable fastening, so that the bolt B may be moved back and forth from the outer side of the door or gate. Upon the outer plate C, at or near the forward end of the slot  $c^3$  in said plate, is cast a loop,  $c^2$ , which is made exactly like the handle D in size and form. The loop  $c^2$  serves as a guard to prevent the bolt from being pushed back by cattle rubbing against the handle D, or by other accidental means.

The fastener is locked by passing the link or loop of a padlock through the handle D or loop  $c^2$ .

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

The inner plate A, cast with a closed keeper,  $a^1$ , a slotted keeper,  $a^2$ , and a slot,  $a^3$ ; the bolt B, cast with a loop or handle,  $b'$ , and a hole; the outer plate C, cast with a flange,  $c^1$ , a loop,  $c^2$ , and a slot,  $c^3$ , and the handle D, constructed and arranged, in connection with each other, substantially as herein shown and described.

JOSIAH SMITH.

Witnesses:

HENRY HUNTING,  
B. H. BOOTH.