

A. D. JUDD.
Door-Pulls.

No. 153,490.

Patented July 28, 1874.

Fig. 1.

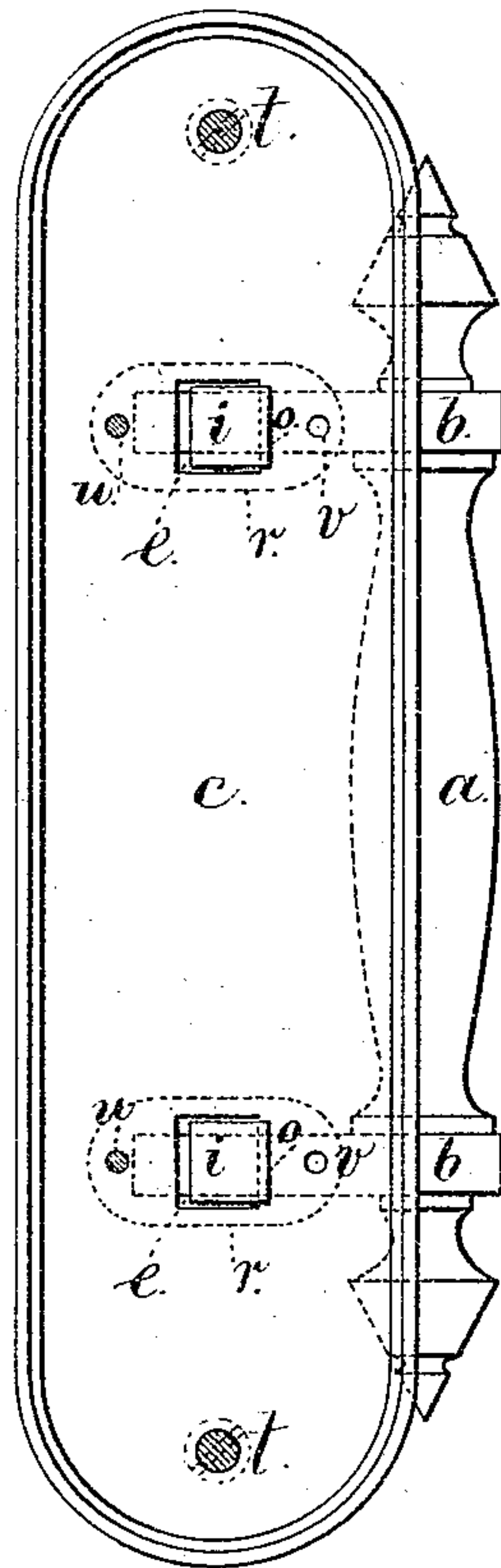
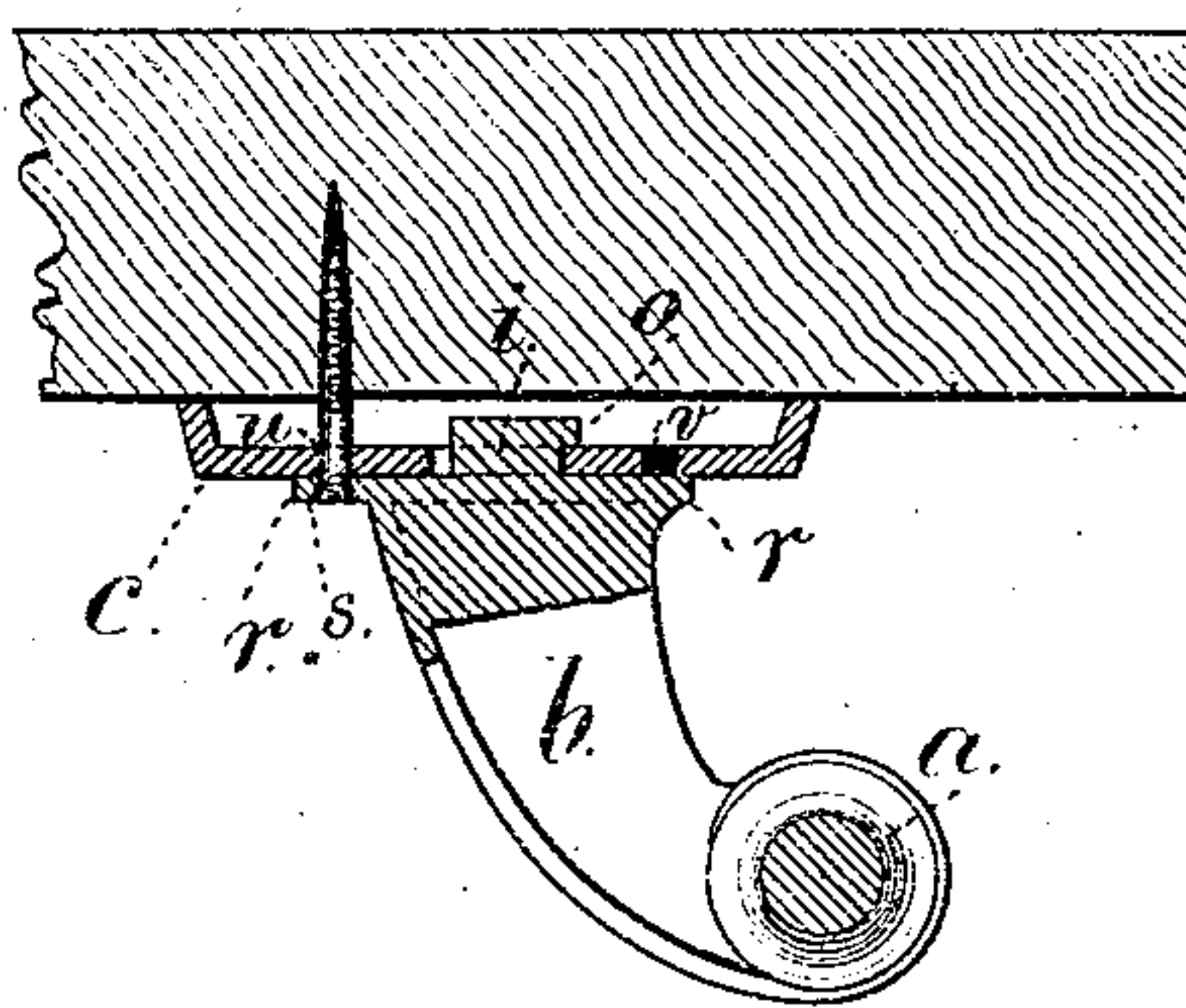


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

ALBERT D. JUDD, OF NEW HAVEN, CONNECTICUT.

IMPROVEMENT IN DOOR-PULLS.

Specification forming part of Letters Patent No. **153,490**, dated July 28, 1874; application filed January 30, 1874.

To all whom it may concern:

Be it known that I, ALBERT D. JUDD, of New Haven, in the county of New Haven and State of Connecticut, have invented an Improvement in Handles for Doors, of which the following is a specification:

Handles connected with a metal plate, sometimes called "door-pulls," have usually been made with screws or rivets connecting the ends of the handle to the plate, but with cast-iron a separate rivet or screw is necessary.

The object of my invention is to connect the handle to the plate by interlocking lips that are retained in contact by the attaching-screws, so that the parts can be cast and finished up separately and put together immediately before use. This effects saving in the manufacture, lessens the space occupied in transportation, and allows the parts to be put together with the handle inclining in either direction from the plate to suit a right or left hand door.

In the drawing, Figure 1 is an elevation of the back of the plate and handle, and Fig. 2 is a sectional plan through the interlocking lip.

The handle *a* is upon the arms *b*, that will usually be curved or inclined, as shown, and the handle may be used either end upward, so that the arms *b* will extend off either one way or the other, to suit the door to which the handle is applied. The shape, configuration, or ornamentation of the handle *a*, arms *b*, and also of the plate *c*, may be of any desired char-

acter. In the plate *c* are the openings *e e*, of a size to pass the projecting ends *i i* of the handle-arms *b*; and *o* are the lips or interlocking lugs that take at the back of the plate *c* to connect the parts, when a lateral movement is given after the parts have been set together. These locking-lips are at the side or the top or bottom of the ends *i*, or they might be at two sides and the locking movement be made in a diagonal direction. Upon the arms *b* are flanges *r*, that rest against the surface of the plate *c*; and in these flanges are screw-holes *s*, and in the plate *c* are the holes *u v*, that are in such positions that the attaching-screw will pass through the holes at either one side of the plate or the other, according to the direction in which the handle is placed, and such screws prevent lateral motion and retain the handle when locked to the plate. The holes shown at *t* receive the main attaching-screws of the handle-plate, and it will be evident that rivets might be substituted for screws in the holes *s*.

I claim as my invention—

The handle *a* and arms *b*, in combination with the plate *c*, interlocking lips *o*, and flanges *r*, for the screws or their equivalents, substantially as and for the purposes set forth.

Signed by me this 23d day of January, A. D. 1874.

A. D. JUDD.

Witnesses:

JAMES BIRGE,
DENNES TOBIN.