

H. C. SHAW.
PULL OR HANDLE.
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1,058,912.

Patented Apr. 15, 1913.

Fig. 1.

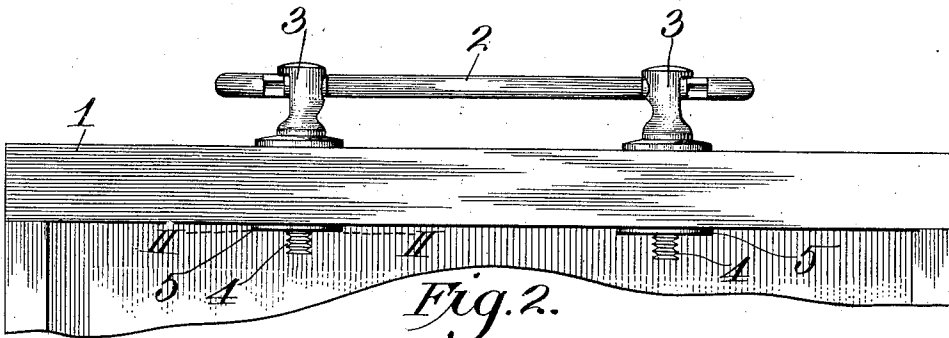


Fig. 2.

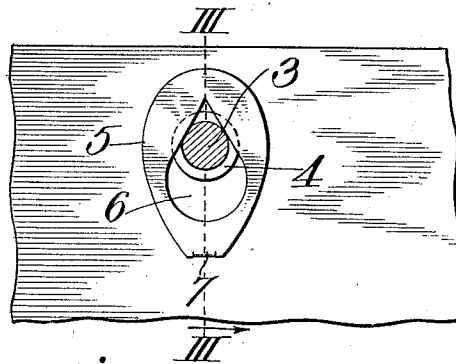
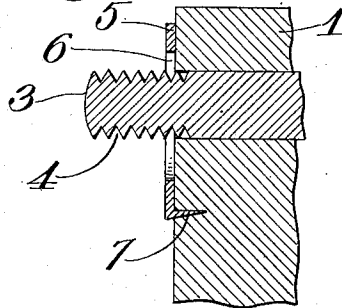


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

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PULL OR HANDLE.

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To all whom it may concern:

Be it known that I, HENRIETTA C. SHAW, a citizen of the United States, residing at Marshall, in the county of Clark and State of Illinois, have invented certain new and useful Improvements in Pulls or Handles, of which the following is a specification.

This invention relates to pulls or handles for furniture drawers, lids and the like and has for its object to produce a simple, strong, durable and cheap device for holding a grooved pin or screw reliably in such parts, particularly drawers, as a substitute for the customary nut, which is objectionable because it works loose and, sometimes, permits the pin to be pulled completely away in the attempt to open the drawer by pulling on the pull or handle.

With the object mentioned, in view, the invention consists in certain novel and peculiar features of construction and organization as hereinafter described and claimed; and in order that it may be clearly understood reference is to be had to the accompanying drawing, in which:—

Figure 1, is a top plan view of a fragment of a drawer equipped with a pull or handle securing device, embodying my invention. Fig. 2, is an enlarged section on the line II—II of Fig. 1. Fig. 3, is a section on the line III—III of Fig. 2.

In the said drawing, 1 indicates a movable part or drawer of any suitable or preferred type provided with a pull or handle 2 of that type equipped with a pair of headed pins 3 extending through the front wall of the drawer, the heads limiting adjustment of the pins in one direction. The pins are provided with circumferential grooves 4, as shown, though each may be provided with a single helical thread or groove, that is to say, each pin may be a bolt, (not shown), as is customary in most drawer pulls.

For securing each pin reliably in place, I provide a plate 5, having an opening 6, which at one end only is sufficiently large to fit over the inner end of the pin, and the walls or edges of the small end of the opening preferably taper so as to be capable of wedging upon opposite sides of the bolt within a groove thereof, when the plate is

slid endwise, as shown in Fig. 2, in which position it is secured to the drawer so as to be incapable of working or sliding in the reverse direction. Any suitable means may be employed for fastening the plate to the front wall of the drawer, the preferred construction being to provide the plate with a forwardly-projecting prong 7, so that tapping the plate with a hammer at the proper point, will effect the embedment of the prong in the wall, as shown clearly in Fig. 3.

If the drawer is provided with a pull attached to a pair of pins, as shown, the pins may be in the form of bolts as hereinbefore suggested, as the engagement of a plate with each threaded stem of a pin, and the connection of the pins by the handle 2, will guard against any possibility of either pin turning backward and thus becoming disengaged from the plate.

If the pull or handle is attached to only a single pin, as sometimes is the case, especially with very narrow drawers, for instance, where the handle is in the form of a knob, it is preferable that the pin be provided with one or more annular grooves instead of a helical groove or thread, as in the last-named construction it would be possible for the pin or bolt to turn backward and thus unscrew from the plate, whereas if the groove engaged by the plate, is annular, the pin may turn but cannot move endwise and thus become disengaged from the plate, and in this connection it is desired to state that a pin provided with one or more annular grooves can be manufactured perhaps more cheaply than a pin provided with a helical groove or thread.

From the above description, it will be apparent that I have produced a pull or handle embodying the features of advantage enumerated as desirable in the statement of the object of the invention, and which may be changed in minor particulars without departing from the spirit and scope of the invention as defined in the appended claim.

I claim:

The combination with a part to be moved, of a handle, a pin extension passing from said handle through said movable part, a plurality of circumferential grooves located

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on the end of said pin, a plate adapted to pass over said pin and being provided with an opening therein, said opening being semi-circular at one side and V-shape at the other
5 side, a spur on said plate at the side nearest said semi-circular opening and adapted to be driven into the wood.

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

HENRIETTA C. SHAW.

Witnesses:

C. A. PURDUNN,
ARTHUR POORMAN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."