

(No Model.)

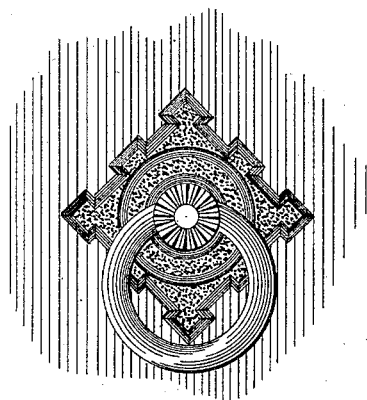
F. W. SMITH.

DRAWER PULL.

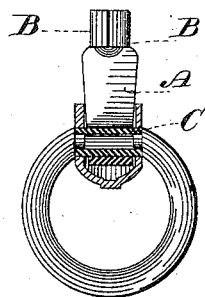
No. 301,290.

Patented July 1, 1884.

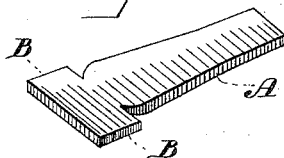
*Fig 1*



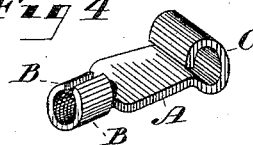
*Fig 2*



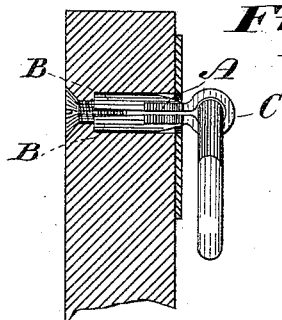
*Fig 3*



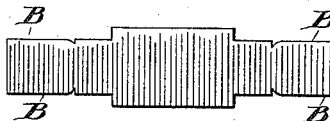
*Fig 4*



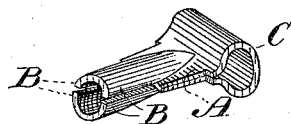
*Fig 5*



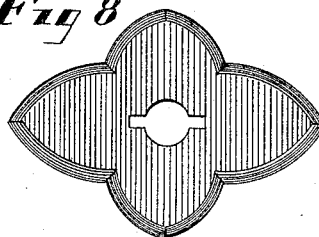
*Fig 6*



*Fig 7*



*Fig 8*



Witnesses  
*S. S. Williamson*  
*D. N. Hubbard.*

Inventor  
*Friend W. Smith,*  
By *Wooster Smith*  
*Atty.*

# UNITED STATES PATENT OFFICE.

FRIEND W. SMITH, OF BRIDGEPORT, CONNECTICUT.

## DRAWER-PULL.

SPECIFICATION forming part of Letters Patent No. 301,290, dated July 1, 1884.

Application filed October 29, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, FRIEND W. SMITH, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Drawer-Pulls; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain novel and useful improvements in drawer-pulls, but more especially to that part of the pull which extends through the drawer or door, and has for its object to so construct this part that when it is fixed in position it will not turn in its bearings, and can be fastened on the inside of the drawer by a nut or screw, and can be made of a form readily stamped out of sheet metal, if desired.

With these ends in view my invention consists in the details of construction and combination of elements hereinafter fully and in detail explained, and then specifically designated by the claims.

In order that those skilled in the art to which my invention appertains may more fully understand its construction and operation, I will proceed to describe the same in detail, referring by letter to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a front elevation of my improvement properly assembled, and with a ferrule or thimble over the head of the shank; Fig. 2, a view with the thimble and parts inclosed thereby in section; Fig. 3, a detail perspective of my improved shank; Fig. 4, a similar view illustrating the shank after it is blanked out and before it is formed into shape, as illustrated at Fig. 3; Fig. 5, a section of a drawer with a modified form of my improved shank secured therein; Fig. 6, a detail plan view of said modified shank as it appears immediately after blanking out; Fig. 7, a detail perspective of said shank bent into the required form; and Fig. 8, a front view of a plate or escutcheon, such as is especially adapted for my improved shank.

Similar letters denote like parts in the several figures of the drawings.

A is the shank, which is preferably blanked

out of sheet metal, as shown at Figs. 4 and 6, so as to have ears B at the extreme end or ends. These ears are then curled over, as shown at Figs. 3 and 7, and are threaded interiorly or exteriorly, for the purpose presently explained.

When the device is constructed as shown at Fig. 4, I merely curl the other end of the shank over upon itself, so as to form an eye or loop, C, within which the ring or handle is arranged. I am enabled to make a complete tubular shank by simply blanking, as shown at Fig. 6, then curling the ears B over, as described, and folding or bending the shank, so as to assume the shape illustrated at Fig. 7, the ears being threaded as in the first-mentioned shank. The sides of the shank constructed as shown at Fig. 7 are flat, the tubular portion extending longitudinally through the center, so that the shank may be adapted to a hole in the drawer or escutcheon, similar to that illustrated at Fig. 8, thus obviating all danger of turning in its bearings.

In attaching my improved drawer-pull any suitable drop handle or ring, with or without a thimble, is attached within the loop C and the shank inserted through the drawer. A screw is then passed into the inner end of the shank, as shown at Fig. 5, or a nut run on the outside, as may be desired, and the device thereby secured in position. If desired, the outer surface of the inner end may be serrated and a screw of considerable taper used, so as to spread the sections of the shank apart and force them against the wall of the hole in the drawer, and the device thus rendered very secure.

Instead of striking up the shank out of sheet metal, as described, a malleable casting may be made of the desired shape and form; or the shank may be constructed separate from the loop or eye through which the drop-handle is attached, and secured thereto by riveting or otherwise. By this construction that part of the shank extending through the drawer may be made of iron and the loop or eye of brass. The stock of the inner extremity of the shank which is curled over, as described, may with equal facility be threaded exteriorly, and thereby adapted to receive a nut, my invention in this particular consisting in the curl-

ing over of the stock, the location of the thread being immaterial.

I do not wish to confine myself to a shank adapted for any particular shaped hole in the drawer or escutcheon, since I am enabled to  
5 form the shank in any desired shape in cross-section without departing from the spirit of my invention. If desired, a collar may be placed over the inner end of the shank to give  
10 solidity or body at that point.

I am aware that a spindle passing through a drop-handle has been struck up out of sheet metal and formed with a ball on the end, whereby it may be attached within a socket  
15 secured to the drawer, and I do not wish to be understood as claiming such construction; but

What I do claim as new, and desire to secure by Letters Patent, is—

20 1. In a drawer-pull, the flat shank extending through the drawer, constructed of a single piece of sheet metal bent to receive a ring or

other suitable drop-handle at its outer end, and with the inner end curled over in circular form and adapted to receive a screw-threaded  
25 retaining device, substantially as set forth.

2. In a drawer-pull, the shank struck up from a single piece of flat metal, its central portion or body being of any desired shape in cross-section, and with flat or flanged sides  
30 extending therefrom, whereby the shank may be secured against turning in the drawer, the outer extremity of said shank being adapted to receive the ring or drop-handle, and the inner end formed into a circular shape adapted  
35 to receive a screw-threaded fastening, substantially as described.

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

FRIEND W. SMITH.

Witnesses:

GEO. W. KELLER,  
J. S. HANOVER.