June 11, 1929. C. H. BARR 1,716,574

DRAWER PULL

Filed Aug. 10, 1925

Fig. 1.

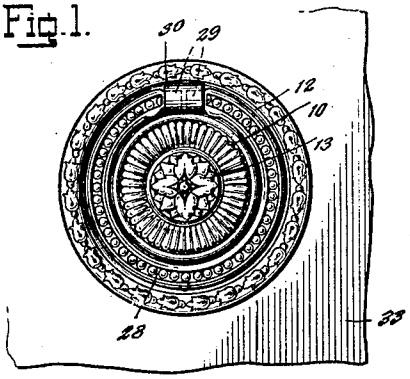


Fig. 2.

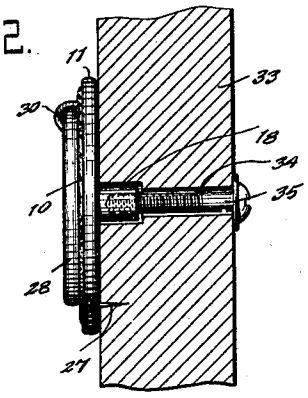


Fig. 3.

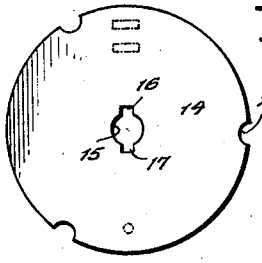


Fig. 4.



Fig. 5.

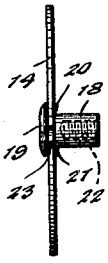


Fig. 6.



Fig. 7.

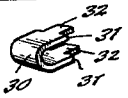


Fig. 8.

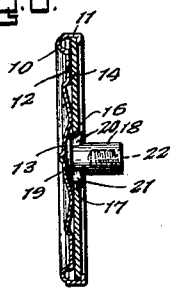


Fig. 9.

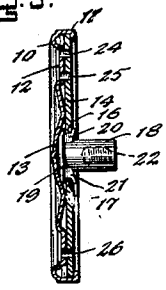
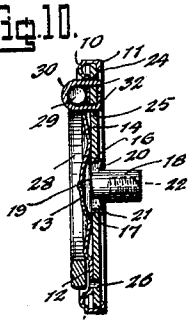


Fig. 10.



INVENTOR

CHARLES H. BARR.

BY

ATTORNEY

Patented June 11, 1929. 1,716,574

UNITED STATES PATENT OFFICE.

CHARLES H. BARR, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE BASSICK COMPANY, OF BRIDGEPORT, CONNECTICUT, A CORPORATION OF CONNECTICUT.

DRAWER PULL.

Application filed August 10, 1925. Serial No. 49,262.

This invention relates to a furniture drawer pull, and has for an object to provide a pull in which the face plate portion may be formed of thin sheet metal having sharply defined embossed ornamentation, and which will at the same time be of relatively strong construction and capable of being economically manufactured.

It is the practice in the production of furniture to provide the drawer pull holes in central relation in the front panel of the drawer, so that a pull having a non-centralized post must be attached in such manner that it is below the center of the drawer, or else another hole must be drilled. It is highly desirable therefore that the pull have a central post. Heretofore, especially with a sheet metal face plate, the post was passed through the plate from the front and was provided with a bail attaching clip or loop, the post, obviously, being non-central where the bale clip was non-central. In cast metal pulls the aligned post and bail loop were cast integral with the face plate, but in such cast constructions it was not possible to obtain such delicate and well defined ornamentation as is possible in sheet metal.

It is therefore proposed to provide in the present invention a pull including a sheet metal face plate mounted upon a rigid reinforcing element, and to which latter element the central post is secured independently of the face plate; and further to provide a non-centralized bail loop secured to the reinforcing element in such manner that pulling strains exerted thereon will not bend or distort the face plate.

With the above and other objects in view, an embodiment of the invention is shown in the accompanying drawings, and this embodiment will be hereinafter more fully described with reference thereto, and the invention will be finally pointed out in the claims.

In the drawings:

Fig. 1 is a front elevation showing a drawer pull, according to the present embodiment of the invention;

Fig. 2 is a side elevation thereof, and showing the drawer panel in section;

Fig. 3 is a plan view of the reinforcing plate element employed;

Fig. 4 is a perspective view of the post element;

Fig. 5 is a side view of the reinforcing and post elements assembled;

Fig. 6 is a sectional view of the face plate, before assembly;

Fig. 7 is a perspective view of the bail attaching loop member;

Fig. 8 is a sectional view showing the assembled face plate and reinforcing element;

Fig. 9 is a similar view showing the same pierced to receive the bail loop and position fixing tack; and

Fig. 10 is sectional view of the completely assembled pull.

Similar reference characters indicate corresponding parts throughout the several figures of the drawings.

Referring to the drawings, the drawer pull, according to the present embodiment of the invention, includes a face plate 10 formed of sheet metal, preferably thin sheet brass, and having a peripheral flange 11. The surface of this plate is provided with embossed ornamentation, the thin sheet metal lending itself to the production of closely patterned, sharply defined ornamental configurations, and includes an annular bail receiving depression 12 inwardly spaced from the periphery, and a pressed out center portion 13 providing a central concavity at the inner side of the plate. While the plate is illustrated as circular, it may be of any desired shape, as octagonal, in which case the reinforcing element, presently to be described, will be of corresponding shape.

The reinforcing element 14 is in the form of a relatively thick stiff sheet metal plate, preferably sheet steel or brass, provided centrally with an aperture 15 including radial notches 16 and 17, and within which there is inserted the post 18, headed as at 19, and provided with integral lug portions 20 and 21 adapted to be engaged in the notches 16 and 17 and peened over, as clearly indicated in Fig. 8, to thereby secure the post non-rotatably to the reinforcing element. The head 19 is disposed at the forward side of the element 14, and the rearwardly projecting post is provided with a threaded screw receiving socket 22.

The reinforcing plate element is engaged with the face plate 10 at its inner side and, as shown in Fig. 8, the peripheral flange 11 being bent over on the element to thereby se-

curely mount said face plate, the periphery of the element being preferably provided with a series of notches 23 into which the bent over flange is pressed to thereby prevent relative turning of the plate.

In such attached relation of the plate to the reinforcing element the annular bail receiving depression snugly engages the inner surface of the element, and the pressed out center portion 13 receives the head 19 of the post and is supported thereby against denting. The assembled plate and reinforcing member are now pierced to provide spaced parallel slots 24 and 25 within the depression 12 at the top and a hole 26 at the bottom, the latter adapted to receive a position fixing tack 27, as shown in Fig. 2.

The bail or handle 28, provided with shouldered bearing ends 29, is pivotally mounted within the depression 12 by means of a U-shaped clip or loop member 30 engaged over said bearing ends and shouldered, as at 31, to provide projecting ears 32, which are engaged through the slots 24 and 25 and clamped over upon the rear surface of the reinforcing element 14, as shown in Fig. 10. The pull is mounted upon the front panel 33 of the drawer, as shown in Fig. 2, the central post 18 being engaged in the centrally drilled passage 34 and secured by a screw 35, the tack 27 fixing the position of the pull against turning.

The pull, according to my invention, may be formed of thin sheet metal in which delicate and sharply defined designs may be effectually produced by embossing, and at the same time the structure is of such strength that excessive pull upon the off-center bail attaching clip is transmitted to the center post without danger of distortion of the face plate or loosening the parts. The invention provides a reliably functioning sheet metal pull lending itself to the production of attractive designs, and one which may be economically manufactured by efficient methods.

I have illustrated and described a preferred and satisfactory embodiment of the invention, but it will be obvious that changes may be made therein, within the spirit and scope thereof, as defined in the appended claims.

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

1. In a drawer pull, a sheet metal face plate having an annular bail receiving recess pressed therein and having a continuous peripheral flange, a reinforcing plate secured thereto at the inner side by said peripheral flange, and contacting and supporting said annular recess, attaching means secured to said reinforcing plate and projected rearwardly therefrom, a bail disposed in said recess, and bearing means for said bail disposed in said recess and secured to said reinforcing plate.

2. In a drawer pull, a face plate of relatively thin sheet metal having an imperforate central portion, a rigid reinforcing plate of relatively thick metal secured thereto at the inner side and whereby the assembled plates constitute a substantially solid rigid structure, an attaching post secured centrally to said reinforcing plate and projected rearwardly therefrom, a handle, and non-centrally disposed bearing means for said handle secured to said reinforcing plate at a point between the periphery of said plate and to said post.

3. In a drawer pull, a face plate of relatively thin sheet metal having an imperforate central portion dished at its inner side, a rigid centrally apertured reinforcing plate of relatively thick metal secured thereto at the inner side and whereby the assembled plates constitute a substantially solid rigid structure, a headed attaching post engaged in said aperture, said head being disposed at one side of said reinforcing plate within said dished portion of the face plate and contacting and supporting said dished portion against distortion, and said post projecting at the other side, a handle, and bearing means for said handle secured to said reinforcing plate in non-central and offset relation to said post.

4. In a drawer pull, a face plate having an imperforate central portion, a backing plate secured thereto at the inner side and whereby the assembled plates constitute a substantially solid rigid structure, an attaching post secured centrally to said backing plate and projected rearwardly therefrom, a handle, and non-centrally disposed bearing means for said handle secured to said backing plate at a point between the periphery of said plate and said post.

5. In a drawer pull, a face plate having an imperforate central portion, a backing plate having an aperture secured to said face plate at the inner side and whereby the assembled plates constitute a substantially solid rigid structure, a headed attaching post engaged in said aperture, said head being disposed at one side of said backing plate beneath and concealed by said face plate, and said post projecting at the other side, a handle, and bearing means for said handle secured to said backing plate in non-central and offset relation to said post.

Signed at Bridgeport, in the county of Fairfield, and State of Connecticut, this 3rd day of August, 1925.

CHARLES H. BARR.