Nov. 19, 1940. S. P. MORGEN 2,222,320

DOOR OR DRAWER PULL

Filed Aug. 15, 1939

Fig. 1.

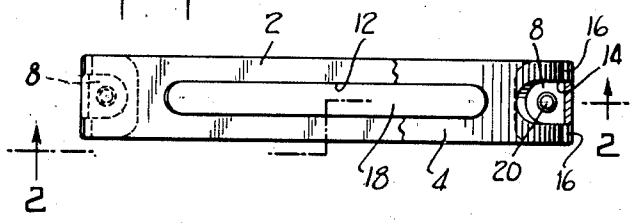


Fig. 2.

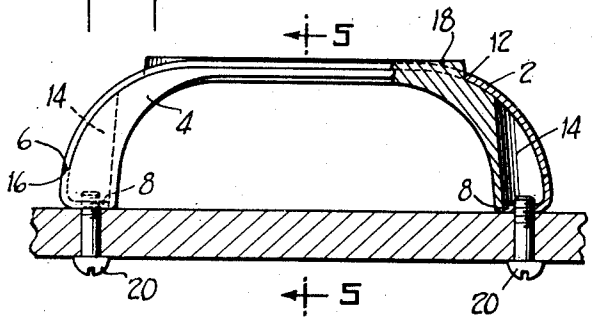


Fig. 6.

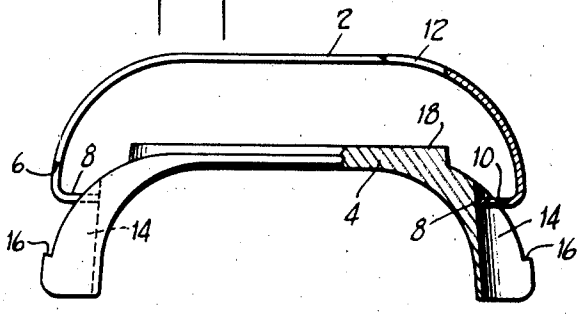


Fig. 3.

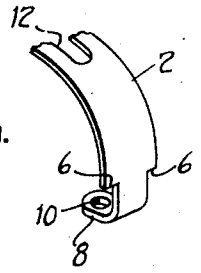


Fig. 4.

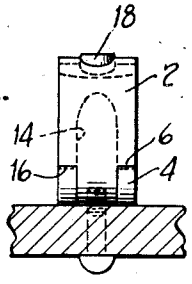
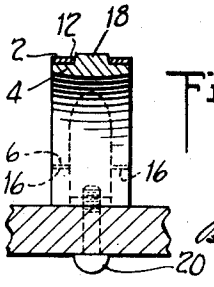


Fig. 5.



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2,222,320

DOOR OR DRAWER PULL

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Application August 15, 1939, Serial No. 290,175

4 Claims. (Cl. 16—125)

The present invention relates to drawer or door pulls, especially such pulls as are made of two parts which may be of different materials, for example, a plastic molded part and a wrought metal part.

The principal object of my invention is to provide a device of this character which lends itself to easy and economical manufacture, and in which the components supplement each other in strength, utility and appearance.

The preferred embodiment of the invention is illustrated, by way of example, in the accompanying drawing, in which:

Figure 1 is a sectional plan view;

Fig. 2 is a sectional side elevation, taken substandtially on the line 2—2 of Fig. 1, showing the pull applied to a portion of a drawer or door, the latter being shown in section;

Fig. 3 is a view in perspective of one end portion of the metal member of the pull;

Fig. 4 is an end view of the pull with a portion of the drawer or door shown in section;

Fig. 5 is a sectional view taken on the line 5—5 of Fig. 2; and

Fig. 6 is a sectional elevation of the metal member and the plastic molded member of the device shown in partially assembled positions.

The drawer or door pull illustrated in the drawing, comprises a metal member 2 and a member 4 which may be made of plastic molded material.

The metal member comprises a strip of metal of substantially cycloidal form having reduced ends providing shoulders 6 and lugs 8. These lugs 8 are bent inwardly and have threaded holes 10. The member 2 is further provided with a centrally located elongated opening 12.

The member 4 is of a form to mate with the metal member. The end portions of this member have recesses 14 and shoulders 16. The member 4 is further provided with an elongated projection 18 adapted to extend through and fit into the elongated opening 12 when the parts are assembled.

The members 2 and 4 may be assembled into a unit by sliding the metal member over the plastic member. During such assembling, the lugs 8 enter the recesses 14 as indicated in Fig. 6 and ride down through the recesses until their rear sides are positioned flush with the rear ends of the member 4. When the two members are thus assembled, shoulders 6 abut the shoulders 16 and the elongated projection 18 extends through the slot 12.

The lugs 8 closely fit the recesses 14 and the bottom portions of the walls of the recesses may be inclined slightly so as to insure tight sliding engagement between the lugs 8 and the recesses. When the parts are thus assembled, close fitting engagement between the lugs 8 and the recesses and the projection 18 in the elongated slot 12 firmly holds the parts assembled with the shoulders 6 abutting the shoulders 16.

The pull or handle when thus assembled may be applied to a door or drawer as shown in Fig. 2, and screws 20 inserted which hold the handle fast to the object to which it is applied and the components in firm assembly.

Thus in the preferred embodiment, as illustrated, the pull consists of a body portion made of a plastic molded material, and an overlying and interlocking metal portion. The plastic molded portion is shaped to provide a comfortable grip for the fingers, and a suitable bulk to permit styling and coloring to create a pleasing effect. The metal portion is shaped to overlay and interlock with the plastic molded portion so as to provide means for attaching the handle to a door or drawer. Also, the metal portion reinforces the strength of the plastic molded portion as well as providing a medium for color relief through the various finishes available on metal.

As will be evident to those skilled in the art, my invention permits various modifications without departing from the spirit thereof or the scope of the appended claims.

What I claim is:

1. In a drawer or door pull of the class described, a metal member comprising a strip of metal shaped to a substantial cycloidal form with its ends of reduced width forming shoulders and bent inwardly to form inwardly projecting lugs, said metal member having a centrally located elongated opening, and a plastic molded member of a form to fit the rear side of said metal member, said plastic member having a projection fitting in said elongated opening, shoulders abutting said shoulders on the metal member, and recesses in its end through which said lugs may pass in assembling the two members, said lugs being received in the rear ends of said recesses when the members are assembled.

2. In a door or drawer pull of the class described, a metal member comprising a strip of metal having its end portions extending rearwardly and having its ends reduced in width to form shoulders and turned inwardly to form inwardly projecting lugs, and a plastic molded member formed to fit the rear side of the metal member and having shoulders on its ends abutting the shoulders on the metal member and having

recesses through which said lugs may pass in assembling said members.

3. In a drawer or door of the class described, a metal member comprising a strip of metal having its end portions extending rearwardly and having inwardly turned lugs on its ends, said metal member having a centrally located opening, and a plastic molded member formed to fit the rear side of the metal member having a projection extending through and fitting said opening and having recesses in its ends through which said lugs may pass in assembling said members.

4. In a drawer or door pull of the class described, a metal member comprising a strip of metal having its end portions extending rearwardly, and having its ends reduced in width to form shoulders and turned inwardly to form inwardly projecting lugs, said metal member having a centrally located elongated opening, and a plastic member formed to fit the rear side of the metal member and having shoulders on its ends abutting the shoulders on the metal member and having recesses through which said lugs may pass in assembling said members.

SIGURD P. MORGEN.

CERTIFICATE OF CORRECTION.

Patent No. 2,222,320. November 19, 1940.

SIGURD P. MORGEN.

It is hereby certified that error appears in the printed specification of the above numbered patent requiring correction as follows: Page 1, second column, line 43, claim 1, for "end" read --ends--; page 2, first column, line 3, claim 3, after "door" insert --pull--; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 17th day of December, A. D. 1940.

(Seal)

Henry Van Arsdale,
Acting Commissioner of Patents.