T. S. ALEXANDER.
Drawer-Pull.

No. 213,369. Patented Mar. 18, 1879.

Fig. 1.

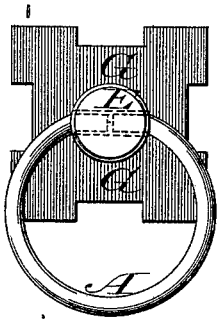
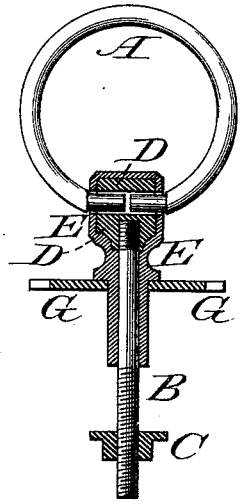


Fig. 2.



Witnesses:
Wendell R. Curtis
Wilmot Horton

Inventor:
Thomas S. Alexander
by Theo G. Ellis, Attorney

UNITED STATES PATENT OFFICE.

THOMAS S. ALEXANDER, OF WEST MERIDEN, ASSIGNOR TO HIMSELF, SELAH A. HULL, OF SAME PLACE, AND ELMORE PENFIELD, OF MIDDLETOWN, CONNECTICUT.

IMPROVEMENT IN DRAWER-PULLS.

Specification forming part of Letters Patent No. **213,369**, dated March 18, 1879; application filed December 12, 1878.

To all whom it may concern:

Be it known that I, THOMAS S. ALEXANDER, of West Meriden, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Drawer-Pulls; and I do hereby declare that the following is a full, clear, and exact description thereof, whereby a person skilled in the art can make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

Like letters in the figures indicate the same parts.

My invention relates to drawer-pulls which are furnished with a ring-handle hinged to a bolt which passes through the front of the drawer, and is secured upon the inside by a nut in the usual manner.

Such drawer-pulls have heretofore been made of solid metal, which, if hard, as iron or brass, has been expensive or difficult to finish, and if soft, as Britannia, or other metal which admits of being easily made smooth and true in shape, the socket of the ring has been quickly worn out.

The object of my invention is to provide a drawer-pull which shall have all the strength of the harder metals and at the same time admit of being easily and cheaply finished.

My invention consists in the construction that will be hereinafter described.

In the accompanying drawing, A is the ring forming the handle. B is the screw-bolt, which passes through the front of the drawer to receive the nut C, which secures the whole in place. This bolt B is preferably made of iron wire. D is a cast-iron head upon the bolt B. It has a hole through it for the insertion of the ring A, which is formed of iron or brass wire, and is sprung into the socket in the head so that its ends meet in the middle. The head D is cast upon the end of the bolt B which is furnished with a thread or ridges for holding it firmly, the end of B being inserted into the mold for this purpose. E is a shell of Britannia, or other soft metal, which is cast over the parts B and D after they are united, so as to completely cover them on that part of the drawer-pull exposed to view. This soft metal can readily be made smooth, and receives the silver, gold, or nickel plating with which the surface is finished. The hole for the ring A is usually bored through the head after the casting of the soft metal around the head and before the plating is put on. G is an escutcheon to form a finish for the front of the drawer where the bolt is inserted.

By means of my improvement all the strength of a solid iron or other hard metal drawer-pull is obtained, and at the same time the surface of the projecting part of the bolt which carries the ring is easily finished and prepared for the usual plating, thus saving the expense of turning and finishing a hard-metal bolt in the usual manner.

What I claim as my invention is—

The combination of the wire bolt B, the head D, cast upon said bolt, and the soft-metal shell or covering E cast upon the parts B and D after they are united with the ring A, substantially as and for the purpose herein described.

In witness whereof I hereto set my hand this 7th day of December, 1878.

THOMAS S. ALEXANDER.

Witnesses:

THEO. G. ELLIS,

WILMOT HORTON.