

No. 792,063.

PATENTED JUNE 13, 1905.

P. H. MURDOCK.

BUTTON.

APPLICATION FILED OCT. 7, 1903.

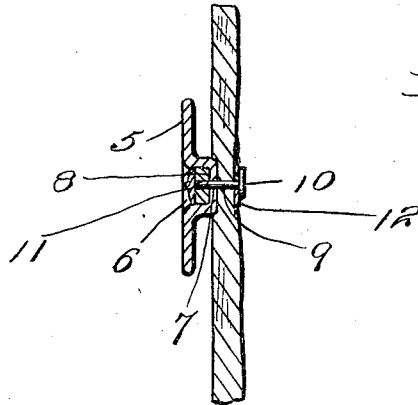


Fig. 1.

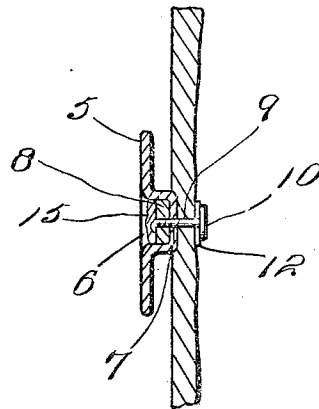


Fig. 2.

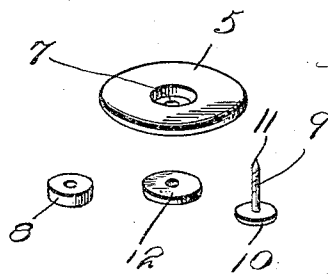


Fig. 3.

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PHILIP H. MURDOCK, OF CARTHAGE, NEW YORK.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 792,063, dated June 13, 1905.

Application filed October 7, 1903. Serial No. 176,167.

To all whom it may concern:

Be it known that I, PHILIP H. MURDOCK, a citizen of the United States, residing at Carthage, in the county of Jefferson, State of New York, have invented certain new and useful Improvements in Buttons; 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.

This invention relates to buttons, and has for one of its objects to provide a button wherein an exceedingly simple, inexpensive, durable, and efficient button is manifest.

Another object of the invention is to provide a button which may be easily and quickly attached or detached and which, furthermore, may be permanently secured in place when desired.

Other objects and advantages will be understood from the following description.

In the drawings forming part of this specification, in which like numerals of reference indicate similar parts in the several views, Figure 1 is a sectional view through a button embodying the present invention, showing it attached to a fabric in such manner that it may be removed. Fig. 2 is a view similar to Fig. 1, illustrating the button permanently secured; and Fig. 3 is a view illustrating the several elements of the button disassembled.

Referring now to the accompanying drawings, the button comprises a main or head portion 5, which is substantially of disk shape, although it will be understood that in practice the specific outline may be modified. Centrally of the member or head portion 5 is formed a cylindrical depression 6 by striking up the metal, and in the bottom of this depression is a perforation 7. It will be observed that the side walls of the depression are at a direct right angle to the bottom thereof, which latter has an interior and exterior flat surface. The perforation 6 is designed to receive a nut 8, the central perforation of which aligns with that in the bottom of the depression, and this nut is designed for engagement with a bolt 9, having a head 10 at one end, while its opposite end is pointed, as shown at 11. It is desired that the nut have a snug fit within the depres-

sion—that is to say, that the nut have a tight engaging or binding effect upon the side walls of the depression and rest within the latter, with its under or inner face in contact with the bottom of the depression.

In practice a washer 12 is slipped onto the bolt, so as to lie against the head thereof, and the pointed end of the bolt is then forced through the fabric to which the button is to be attached, the “bolt” or “stem,” whichever it may be called, being forced through the fabric from the rear thereof. The member 5 is then adjusted to receive the bolt or stem through the perforation in the bottom of its depression, and the nut is secured upon the bolt into the depression until the fabric is clamped securely between the bottom of the depressed portion of the washer. If desired, a plug or ornamental member may be fitted within the depression, with its sides fitting tightly against the inner walls thereof and with its inner face in contact with the upper or outer face of the aforesaid nut, as clearly shown in Fig. 1 of the drawings. When it is desired to remove the button, the bolt or stem is unscrewed from the nut, as well understood. If it be desired to attach the button permanently, the end of the bolt in the depression of the member 5 may be upset against the upper or outer face of the nut 8, as illustrated in Fig. 2, so that the nut cannot be unscrewed, and in order to give an ornamental appearance to the button a plug or ornamental member may be then engaged in the depression in the manner set forth in connection with Fig. 1.

If desired, when the button is to be employed as a removable button, the nut may be in the form of a cap-nut and have an ornamental nut to fit the depression or member 5. In any event, however, the stem or bolt 9 is provided at one end with a flat disk-shaped head with its opposite end pointed, the portion of the stem between its headed and pointed ends being of the same cross-sectional diameter, whereby it may readily pierce the cloth or fabric regardless of the thickness of the latter and without first forming an opening in the fabric for its insertion. Moreover, by reason of the same cross-sectional

diameter throughout the stem or bolt 9 neither the stem nor the other elements of the button will have to be changed to correspond with different thicknesses of cloth or fabric, as should now be well understood.

I claim—

1. As an article of manufacture, a button comprising a head portion having its center struck up to form a central depression, the bottom of the latter being provided with a perforation arranged centrally thereof and its sides disposed at a right angle to its bottom, a nut fitted tightly against the inner side walls of the said depression and provided with a central screw-threaded perforation alining with the perforation in the bottom of the depression, a screw-threaded stem passed through the said perforations of the depression and nut, the stem being provided at one end with a flat disk-shaped head and its opposite end pointed, the stem being of the same cross-sectional diameter throughout the remainder of its length, a member fitted within and tightly against the side walls of the said depression with its inner surface contacting with the outer surface of the aforesaid nut, and a washer fitted upon said stem between the outer surface of the depression and the inner surface of the disk-shaped head, the

washer being normally in engagement with the inner surface of the last-mentioned head.

2. As an article of manufacture, a button comprising a head portion having its center struck up to form a central depression, the bottom of the latter being provided with a perforation arranged centrally thereof and its side walls disposed at a right angle to its bottom, a nut fitted tightly within and against the inner walls of the said depression and provided with a central screw-threaded perforation alining with the perforation in the bottom of the depression, a screw-threaded stem passed through the perforations of the depression and nut, the stem being provided at one end with a flat disk-shaped head and its opposite end pointed and upset against the outer surface of the nut, the portion of the stem between its headed and pointed ends being of the same cross-sectional diameter, and a member fitted within said depression upon said nut.

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

PHILIP H. MURDOCK.

Witnesses:

CHARLES E. CARPENTER,
ALBERT J. SHELDON.