P. COLGAN.

TUFTING BUTTON.

APPLICATION FILED OCT. 4, 1907.

904,842. Patented Nov. 24, 1908.

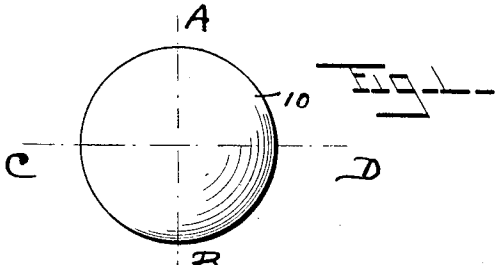

Fig. 1.

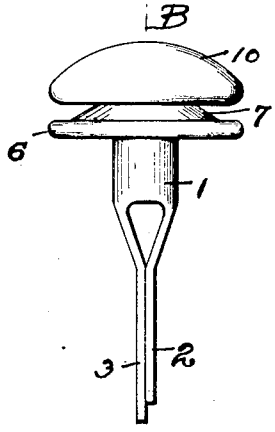

Fig. 2.

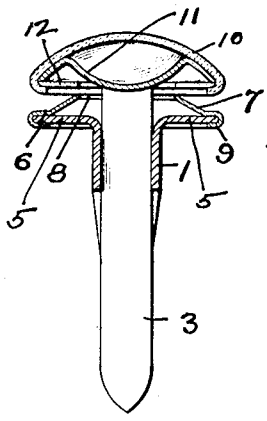

Fig. 3.

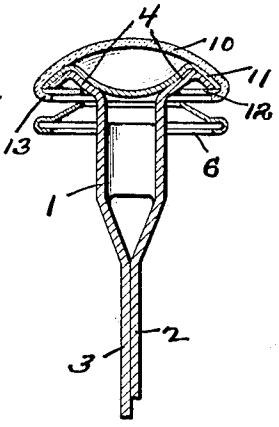

Fig. 4.

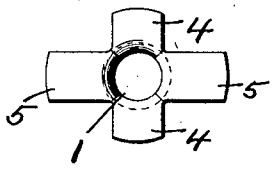

Fig. 5.

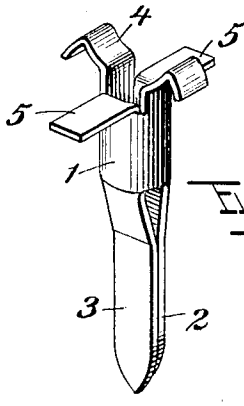

Fig. 6.

WITNESSES:

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TUFTING-BUTTON.

No. 904,842. Specification of Letters Patent. Patented Nov. 24, 1908.

Application filed October 4, 1907. Serial No. 395,867.

To all whom it may concern:

Be it known that I, PETER COLGAN, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Tufting-Buttons, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to new and useful improvements in tufting buttons, and has for its object, among other things, to construct a button of this character that will permit a current of air to pass therethrough but will not admit water, and to accomplish this result with few parts that can be produced at the minimum cost.

To these, and other ends, my invention consists in the tufting button, having certain details of construction and combinations of parts as will be hereinafter described and more particularly pointed out in the claims.

Referring to the drawings, in which like numerals of reference designate like parts in the several figures: Figure 1 is a plan view of my improved button complete; Fig. 2 is an elevation thereof; Fig. 3 is a transverse sectional elevation thereof upon line A—B of Fig. 1; Fig. 4 is a transverse sectional elevation thereof upon line C—D of Fig. 1; Fig. 5 is a detail plan view of the shank; and Fig. 6 is a perspective view of the shank.

In the practice of my invention I provide a hollow shank 1 which is split at its bottom end so as to form the pointed prongs 2 and 3 which are pressed together, as shown in Figs. 2 and 4. The upper end of said shank is split lengthwise and the sides thereof bent outwardly to form the arms 4—4 and 5—5, the arms 4—4 being near the end of the shank and the arms 5—5 a short distance therefrom and at substantially a right angle to said arms 4—4. Fixed to the arms 5—5 is the base member 6 which is circular in form and has an inwardly flaring flange 7 thereon through the center of which is an aperture 8. This base member is secured to the arms by turning the outer edge 9 thereof inwardly underneath said arms. Secured to said shank substantially parallel with said base member is the head member, comprising a cup shape disk 10 within which is an anvil 11 that is held therein by a collar 12, the whole being secured together by turning the outer edge 13 of said disk inwardly, the arms 4—4 lying between the face of said anvil and said collar 12.

My device is assembled by first securing the parts of the head member together, that is, the disk 10, anvil 11 and collar 12, after which the base member 6 is fastened to the arms 5—5 and the operation completed by securing the head member to said shank by placing the arms 4—4 through the hole in the center of the collar 12 and then by forcing the head member onto said shank the arms 4—4 are spread outwardly by the engagement of the ends thereof with the anvil 11 so that they assume the position shown in Fig. 4.

In the tufting button herein described the shank is first passed through the cushion until the bottom of the base member 6 rests upon the top thereof, after which the prongs 2 and 3 are forced apart as is common in the art. In this position the air enters between the head and base members and passes down through the shank to the underside of the cushion. The head member, applied as herein shown, covers the shank and prevents water from passing therethrough from the top and the flange 7 prevents the entrance of water from either side.

Having described my invention, what I claim as new and desire to secure by Letters Patent, is,—

1. In a tufting button, the combination with a shank that will permit air to pass therethrough; of a base member secured thereto; and a closed head member also secured thereto in a plane different than said base member and with an open space therebetween.

2. In a tufting button, the combination with a shank that will permit air to pass therethrough; of a base member; and a head member, both of said members being connected with said shank, with an open space therebetween but having no contact with each other.

3. In a tufting button, the combination with a shank that will permit air to pass therethrough; of a base member, having an upwardly flaring flange thereon, secured to said shank; and a closed head secured to and covering said shank substantially parallel with said base member, and with an open space therebetween, said base and head members being independent of each other.

4. In a tufting button, the combination with a shank that will permit air to pass

therethrough having laterally projecting arms thereon; a base member; and a closed head member covering said shank, said base and head members being secured to said arms with an open space therebetween and independent of each other.

5. In a tufting button, the combination with a shank that will permit air to pass therethrough having a set of arms thereon which project radially therefrom; a second set of arms also projecting radially therefrom in a plane different from the first of said arms; a base member secured to one of said sets of arms; and a head member secured to the other of said sets of arms.

6. In a tufting button, the combination with a hollow shank having two sets of arms projecting radially therefrom at different points from the end thereof; a base member having an upwardly flaring flange secured to one of said sets of arms; and a head member secured to the other of said sets of arms, said base and head members being substantially parallel with each other with an open space therebetween.

7. In a tufting button, the combination with a hollow shank having two sets of laterally projecting arms thereon; a base member secured to one of said sets of arms; and a head member, comprising a disk, anvil and collar, secured to the other of said sets of arms.

8. In a tufting button, the combination with the shank 1 having the arms 5—5 projecting radially therefrom and the arms 4—4 also projecting radially therefrom in a plane different from the arms 5—5; a base member 6 having a flaring flange 7 thereon with an aperture 8 therethrough secured to said arms 5—5; and a head member comprising a disk 10, anvil 11 and collar 12 secured to the arms 4—4 so as to leave an open space between said head and base members.

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

PETER COLGAN.

Witnesses:
GEORGE E. HALL,
FLORENCE H. MONK.