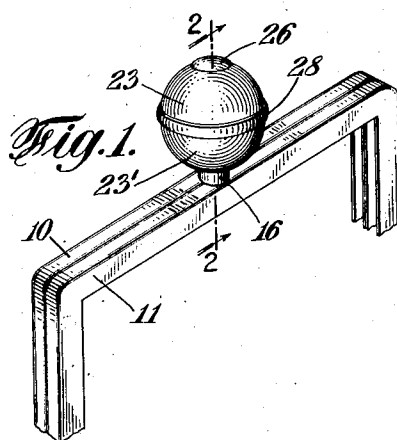
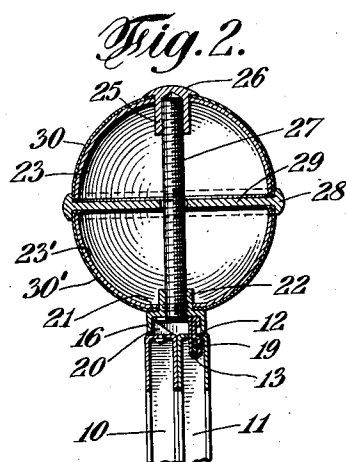
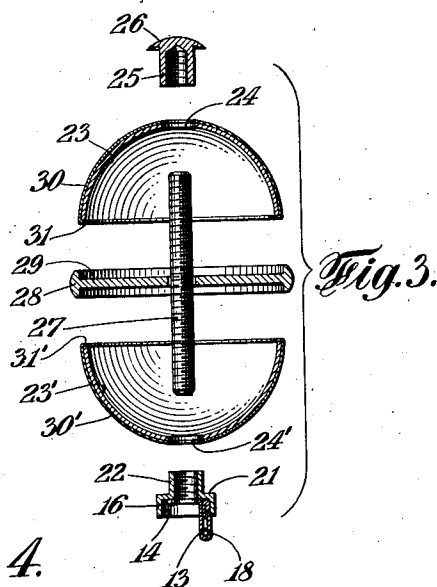


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W. C. HIERING
 KNOB FOR BAG FASTENERS, ETC
 Filed July 28, 1926



Inventor
 William C. Hering.
 By his Attorney
 Paul C. Fischer.

UNITED STATES PATENT OFFICE.

WILLIAM C. HIERING, OF NEWARK, NEW JERSEY, ASSIGNOR TO J. E. MERGOTT CO., OF
NEWARK, NEW JERSEY, A CORPORATION OF DELAWARE.

KNOB FOR BAG FASTENERS, ETC.

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This invention relates to ornamental knobs, particularly such as are covered with leather, flexible fabric or like material and has special reference to that type of knobs used in connection with bag fasteners, the same being an improvement over my earlier patent on bag fastener, No. 1,184,451, dated May 23, 1916.

The present invention has as one of its features the provision of a light but strong spherical knob either plain or covered completely, with any flexible sheet material, except for a single narrow circumferential metallic band acting as an ornamental reinforcement and also to effectively secure the cover material over the sphere.

It is another object to devise a covered ball knob susceptible of easy and economical manufacture and assembly.

Other advantages will become apparent in the following detailed description and will appear in the accompanying drawing, forming an important part of this disclosure, and in which:—

Figure 1 is a perspective view of an embodiment of the invention as applied to a bag casing.

Figure 2 is a sectional view taken on line 2—2 of Figure 1, drawn to an enlarged scale.

Figure 3 is a similar sectional view showing the parts in a separated but related position.

Figure 4 is a perspective view of a bag or like connecting element in detail.

Although the knob is shown as used in connection with a bag frame, it is to be understood that the novelty of the invention resides in the knob structure per se, the same being applicable to many other uses, such for instance as drawer pulls, curtain pole ornaments and like purposes.

In Figures 1 and 2 a conventional pair of channelled bag frames are designated by the numerals 10 and 11 respectively, the same being hingedly engaged at the ends of the angularly bent members in the usual manner.

One of the frame members, as 11, has in its upper surface an opening 12 to receive a looped extension 13 formed on a substantially circular plate 14, containing an opening 15 and secured by solder to the bottom of an inverted cup 16, the annular flange

of which also receives a lip 17 on the other loop member.

A space 18 in the loop is suited to receive the flattened outer portion 19 of a spring of the usual type anchored between the flanges of the channel 11, the function of such spring being to press the flange edges of the cup into contact with the upper surface of the frame member 10, the cup being disposed symmetrically over both frame members.

A triangular catch 20 is rigidly fixed on the frame member 10, opposite the opening 12, its inclined upper surface engaging the edge of the cup when closing the frame members, raising the free edge of the cup until it has passed the high point of the catch, and then snap to engage the vertical edge of the catch under the effect of the spring 19.

On the bottom 21 of the inverted cup opposite its flanged edge, is a hub 22 containing a screw threaded opening, registering with the opening 15 in the loop plate 14, the bottom forming a distinct shoulder for the hub, this cup unit forming in effect a nut.

A globular knob is affixed to the cup by which the catch may be released; this knob constituting the gist of the invention.

This knob is composed of two equal shells 23 and 23', hemispherical or nearly so, pressed from sheet metal and containing axial openings 24 and 24', their bases being level.

Rigidly secured in the opening 24 is a fixed cylindrical blind nut 25 having a thin convex head 26 and set permanently in the nut is one end of a screw threaded rod 27.

The hub 22 of the inverted attaching cup is inserted through the opening 24' and the rod 27 is engaged by the screw threads therein, providing means to draw the shells 23 and 23' towards each other.

Disposed circumjacent the base edges of the shells is a band 28 curved transversely on its outer surface and formed on its inner surface is a thin annular flange 29 disposed between the base edges, or this flange may be increased to constitute a disc having a central opening through which the rod 27 can freely pass.

The effect of the band which is highly finished, is to materially reenforce and stiff-

en the knob structure, guiding the hemispherical elements and obscuring the joint therebetween, and, as these elements are drawn firmly together by the bolt and nut device, a rigid, unyielding but light knob is produced.

As it is customary to envelop the frames of a bag in a thin leather or fabric casing, in harmony with the bag material, it is also desirable to cover the knob with similar material.

The described structure affords a particularly easy and secure means for attaching such covering, which consists of thin leather or fabric elements 30 and 30' shaped to produce concavo-convex casings held at the ends of the knob by being clamped by the elements 21 and 26 respectively, and at the center by the band 28; the edges of the casings may be carried inwardly as at 31, if preferred and thus positively clamped between the base edges of the hemispherical elements and the flange or disc 29 creating an efficient holding means.

From the foregoing it will be seen that a novel, practical and valuable spherical knob structure has been disclosed in its preferred form, but it will be recognized that minor modifications may be resorted to within the spirit of the invention as being covered by the scope of the appended claims.

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

1. A hollow spherical knob comprising two hemispherical elements each having axial openings, a nut fixed in one opening to extend inwardly, a threaded rod in said nut, and a second nut revoluble in the opening of the other element to engage said rod whereby said elements may be drawn towards each other.

2. A hollow spherical knob comprising

two equal hemispherical shells having axial openings, a bolt having a thin convex head fixed in the opening of one shell, a nut revoluble in the opening of the other shell to engage said bolt, and means to guide the base edges of said shells, said means obscuring the joint therebetween.

3. A hollow spherical knob comprising two equal hemispherical shells having axial openings, a bolt fixed in one shell, a nut rotatable in the other shell to engage said bolt, a band circumjacent the base edges of said shells, and an inreaching central flange on said band disposed between the base edges.

4. A hollow spherical knob comprising two equal hemispherical shells having axial openings, a bolt having a thin convex head, said bolt passing through an opening in one of said shells, a nut engageable with said bolt and passing through the opening in the other shell, said nut having an enlarged head, a band over the edges of said shells, said band having an inreaching member disposed between the meeting edges of the shells, and covering disposed over the surfaces of said shells, said covering being clamped by the heads of said bolt and nut respectively and held to the shells by said band.

5. A hollow spherical knob comprising a pair of shells, a bolt passing axially there-through, a nut engaging said bolt, a disc disposed between the edges of said shells, a band on said disc circumjacent the edges, and covering material enclosing said shells, said material being clamped between the edges of the shells and said disc, and by the head of said bolt and nut to each shell respectively.

This specification signed this twentieth day of July, 1926.

WILLIAM C. HIERING.