H. WALKER.

SETTING.

APPLICATION FILED NOV. 9, 1908.

921,759. Patented May 18, 1909.

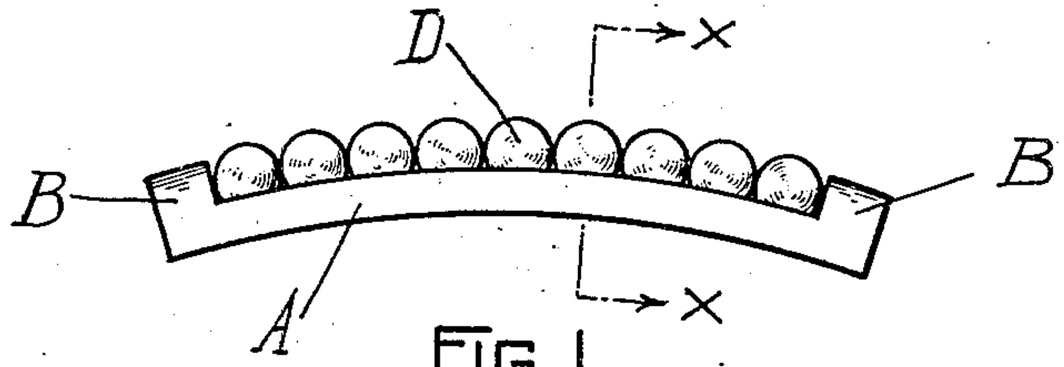


FIG. 1.

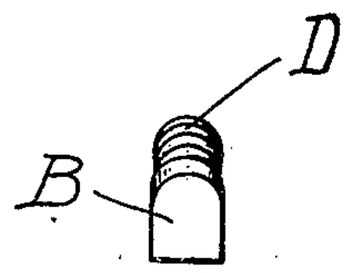


FIG. 3.

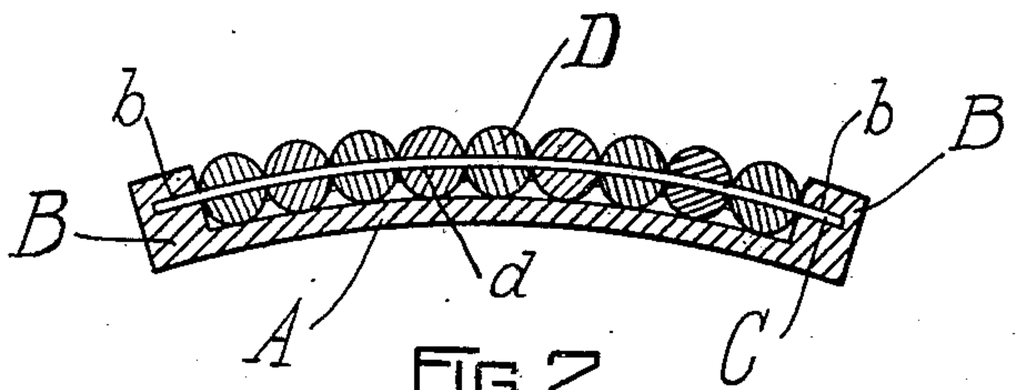
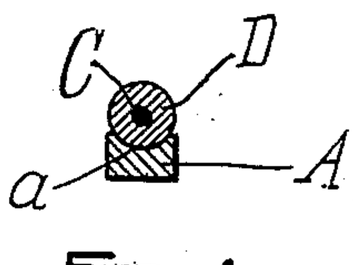


FIG. 2.



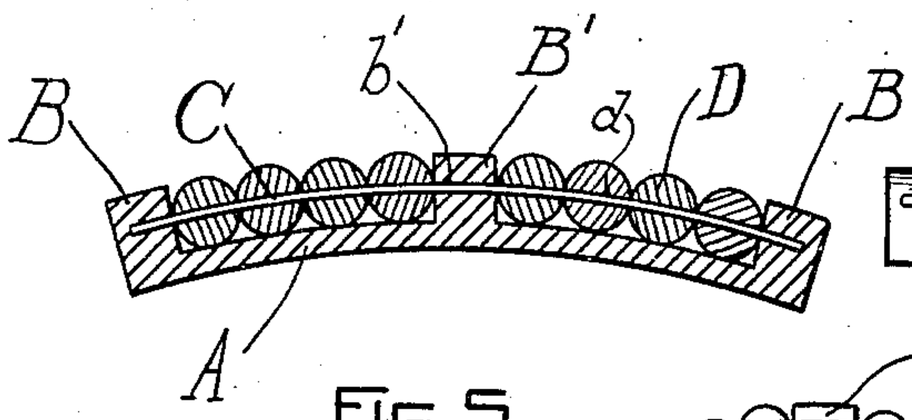


FIG. 4.

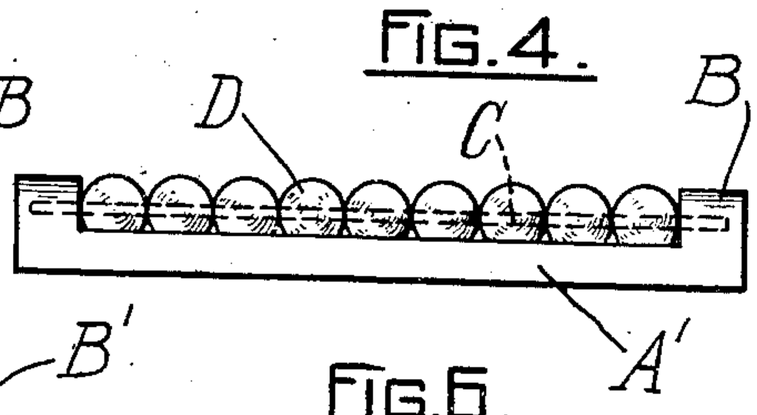


FIG. 5.

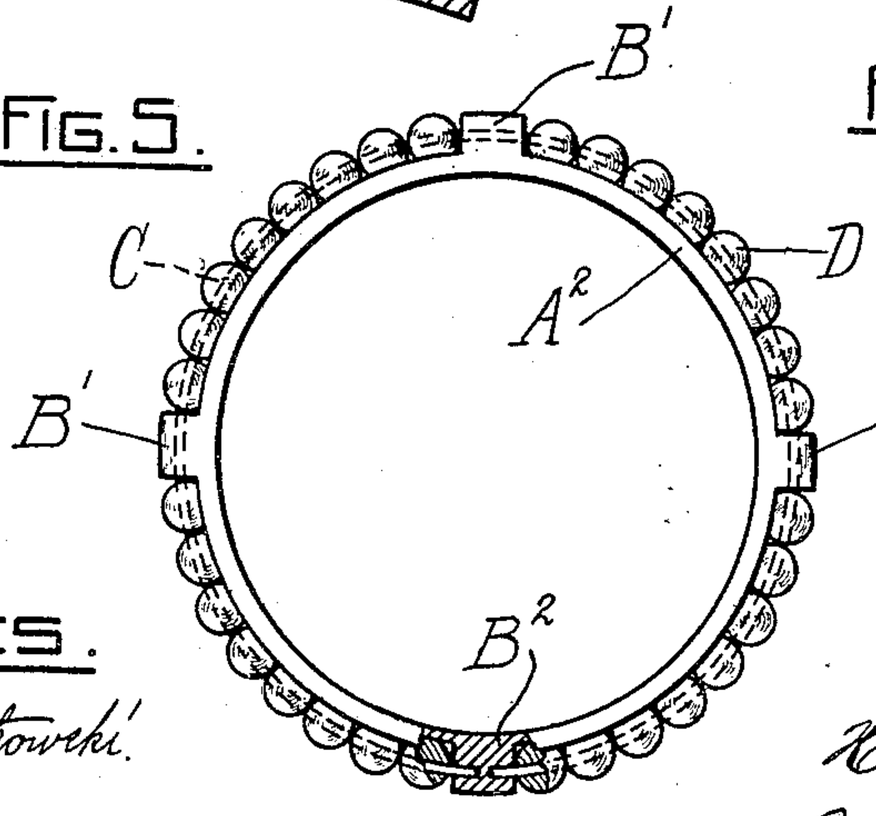


FIG. 6.

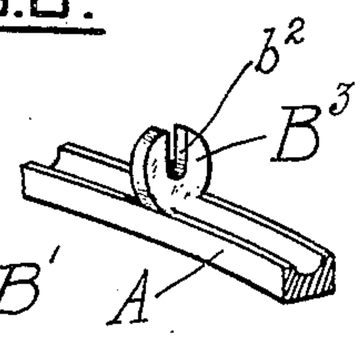


FIG. 7.

FIG. 8.

WITNESSES.

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UNITED STATES PATENT OFFICE.

HOWARD WALKER, OF ATTLEBORO, MASSACHUSETTS, ASSIGNOR TO GEORGE H. CAHOONE COMPANY, A CORPORATION OF RHODE ISLAND.

SETTING.

No. 921,759. Specification of Letters Patent. Patented May 18, 1909.

Application filed November 9, 1908. Serial No. 461,614.

To all whom it may concern:

Be it known that I, HOWARD WALKER, a citizen of the United States, residing at Attleboro, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Settings, of which the following is a specification.

My invention relates to settings for precious or imitation stones or ornaments, which settings are adapted to use upon articles of jewelry of every kind, including brooches, rings, lockets and barrettes.

The purposes of my invention are essentially to provide a mounting in which the use of solder or prongs as engaging agents for the stones may be dispensed with, and the retaining means be invisible. The insecurity of prong mountings and the tendency of these projections to catch in adjacent fabrics is well known; while the injury to certain ornaments incidental to the heat employed in soldering is fully recognized.

To the above ends my invention consists in the novel construction and combination of parts hereinafter set forth and claimed.

In the accompanying drawings which form a part of this specification, Figure 1 is a side elevation of a mounting embodying my invention, Fig. 2, a vertical longitudinal central section of the same, Fig. 3, an end elevation of the same, Fig. 4, a section on *x x* of Fig. 1, Fig. 5, a central longitudinal section of a modified form, and Figs. 6, 7, and 8, elevations of other modified forms of my invention.

Like reference characters indicate like parts throughout the views.

The setting comprises an oblong rectangular base, A, provided in its upper surface with a longitudinal groove or seat which is preferably transversely curved; and provided upon its ends with vertical lugs, B, each having an opening, *b*, in its inner face, extending nearly through the lug, and in the vertical plane of the groove. The lugs are in alinement with the groove. The lugs may be integral with or fixed to the base. A flexible wire or rod, C, of springy material, is provided; also ornaments, D, having central or diametrical openings, *d*. The ornaments may be hollow or solid, spherical or faceted, or of any desired contour or material. The ornaments, D, are slidably mounted upon the rod, C, which passes through the openings, *d*. One of the ends of the rod is inserted in one of the end lugs, B, and the other end of the rod is then sprung into the opening, *b*, of the opposite end lug, and maintains the ornaments in their seat, thus completing the structure shown in Figs. 1, 2, 3 and 4, wherein the base is shown longitudinally curved. When, however, the base is of great length, it is advantageous to provide an intermediate guide or support for the rod. In Fig. 5 is shown such a lug, B′, provided with an opening, *b′*, which extends entirely through the lug to permit the passage of the rod, C.

In Fig. 6, the base, A′, is straight rather than curved, but it is otherwise as already described.

In Fig. 7, the base, A^2, is shown as annular in form; the end lugs, B, in this instance being united to form a single lug, B^2. In short, the length and arrangement of the setting base may be infinitely varied, including polygonal outlines if desired.

It will be observed that no part of the mounting wire, C, is visible after the ornaments are mounted; that no prongs, flanges, or other projections are employed; and that no solder need be used when the ornaments to be mounted are susceptible to heat. The intermediate lug may be of the form B^3 shown in Fig. 8, with a vertical slot, b^2, for the wire. The portions of the lug upon each side of the slot are pinched together over the wire.

What I claim is,

1. In an ornamental setting, the combination with a rigid base, of lugs upon the base, a rod fixed in the lugs, and ornaments mounted upon the rods.

2. In an ornamental setting, the combination with a rigid base, of lugs upon the base, a flexible rod mounted in the lugs, and ornaments mounted upon the rod.

3. In an ornamental setting, the combination with a rigid base, of interspaced lugs upon the base provided with openings, a flexible rod adapted to enter the openings, and ornaments upon the rods.

4. In an ornamental setting, the combination of a base provided with a groove, lugs upon the base in alinement with the groove, and a rod mounted in the lugs above the groove.

5. In an ornamental setting, the combination of a base provided with a groove, lugs upon the base in alinement with the groove, and a flexible rod mounted in the lugs above the groove.

6. In an ornamental setting, the combination of a base provided with a groove, lugs upon the base in alinement with the groove and provided with openings, and a flexible rod adapted to enter the openings.

7. In an ornamental setting, the combination of a base provided with a groove adapted to form a seat for the ornaments, lugs upon the base, and a flexible member in the lugs adapted to engage the ornaments.

8. In an ornamental setting, the combination of a base provided with a groove adapted to form a seat for the ornaments, lugs upon the base, and means connecting the lugs and engaging the ornaments for maintaining the ornaments in their seat.

9. In an ornamental setting, the combination of a base provided with a groove adapted to form a seat for the ornaments, of lugs upon the base, and flexible means in the lugs engaging the ornaments adapted to maintain the ornaments in their seat.

10. In an ornamental setting, the combination of an oblong base provided with a longitudinal groove, lugs upon the ends of the base, and a rod in the lugs in the vertical plane of the groove.

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

HOWARD WALKER.

Witnesses:

HORATIO E. BELLOWS,

JOSEPH E. BURNS.