

C. DEAN.
SETTING.

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974,862.

Patented Nov. 8, 1910.

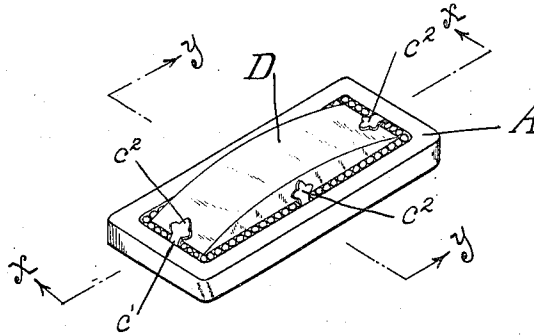


FIG. 1.

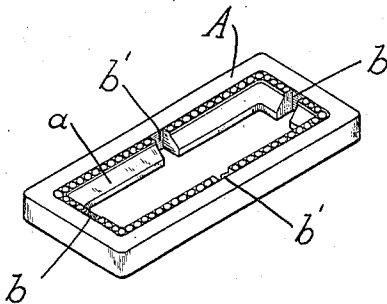


FIG. 2.

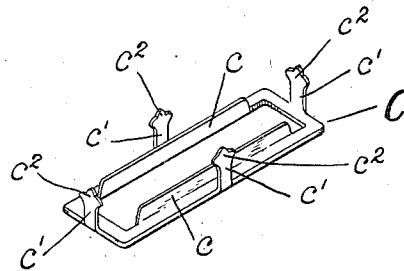


FIG. 3.

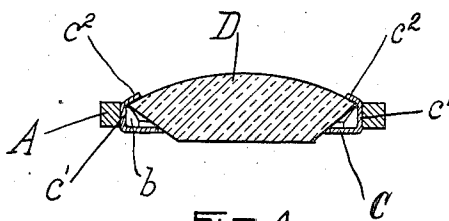


FIG. 4.

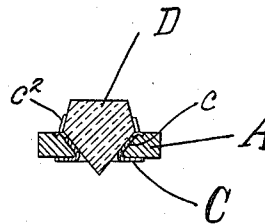


FIG. 5.

WITNESSES.

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UNITED STATES PATENT OFFICE.

CALVIN DEAN, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO CORY & REYNOLDS COMPANY, OF PROVIDENCE, RHODE ISLAND, A CORPORATION OF RHODE ISLAND,

SETTING.

974,862.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CALVIN DEAN, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Settings, of which the following is a specification.

My invention relates to settings for stones, gems, or other ornaments, and its essential objects are to provide means for engaging an ornament when the setting body is so stiff or massive, or when the seat for the ornament is so remote from the margin of the body or base, as to make it inconvenient or impractical to form integral prongs thereon; to facilitate the disassemblage of the setting parts when it is desired to substitute an ornament; to avoid the use of solder; to insure against play or dislodgment of the assembled parts, and to attain the enumerated ends in an economical structure.

Other objects will be referred to in the specification.

To these ends essentially my invention consists in the novel construction, arrangement and combination of parts hereinafter set forth, and made the subject matter of the appended claims.

In the accompanying drawings which form a part of this specification, Figure 1 is a perspective view of my complete setting with an ornament seated therein, Figs. 2 and 3, like views of the constituent parts of the setting disassembled, and Figs. 4 and 5, sections on lines *x x* and *y y* respectively of Fig. 1.

Like reference characters indicate like parts throughout the views.

The setting body comprises a preferably rectangular relatively heavy open frame or base A provided with a seat or reduced portion, *a*, around its inner margin, in this instance beveled inwardly and downwardly. The reduced portion of the frame is provided with vertical recesses, in this instance four, two of the same *b b* are opposite each other in the end portions of the base, and two, *b' b'*, oppositely disposed to each other in the side portions of the base.

Cut and bent up from thin sheet metal is a flat open frame C provided along its inner margin with upturned flanges *c*, and upon its four outer margins with upturned prongs *c'* whose ends *c²* are preferably but not es-

entially of greater breadth than the breadth of the recesses. The auxiliary frame C is applied as follows to the main frame A. The upper face of the frame C rests against the bottom face of the frame A. The necks of the projections or prongs *c'* extend through the recesses *b b'* against the innermost walls of the same, while the flanges *c* are bent tightly over and down upon the seat *a*, of the frame A. Both the prongs *c'* and the flanges *c* prevent any play of the parts thus assembled. The ornament D is then placed in the openings of the frame, and the ends *c²* of the prongs are downwardly bent thereon to hold the same.

What I claim is,—

1. In a gem setting, the combination of a body provided with a central orifice, and with recesses opening into the orifice, a frame upon the body, flanges upon the frame engaging the margin of the orifice, and prongs upon the frame registering in the recesses and adapted to engage a gem.

2. In a setting, the combination of a body provided with a central orifice, and with recesses opening into the orifice, a frame upon the body, flanges upon the frame engaging the body through the orifice, prongs upon the frame registering with the recesses, and heads upon the prongs of greater breadth than the breadth of the recesses.

3. In a setting, the combination of a body provided with a central orifice, and with recesses opening into the orifice, and with a reduced portion at the margin of the orifice, a frame upon the body, flanges upon the frame engaging the reduced portion of the body, and prongs upon the frame registering in the recesses.

4. In a setting, the combination of a body provided with a central orifice, and with recesses opening into the orifice, and with a reduced beveled portion around the margin of the orifice, a frame upon the body, flanges upon the frame overlapping the beveled portion of the body, and prongs upon the frame extending through the recesses.

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

CALVIN DEAN.

Witnesses:

HORATIO E. BELLOWES,
WALTER LOUIS FROST.