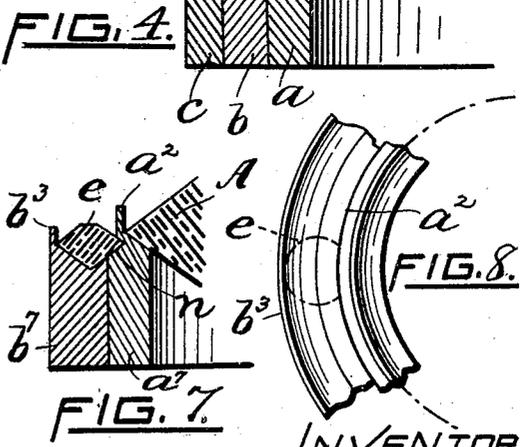
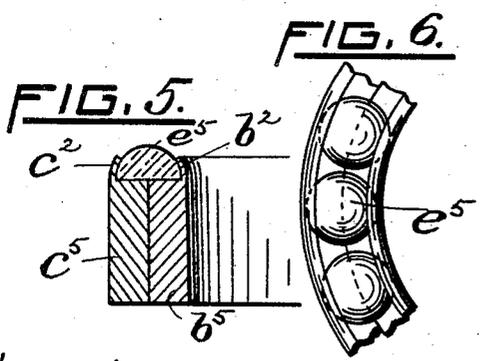
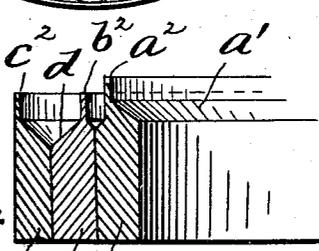
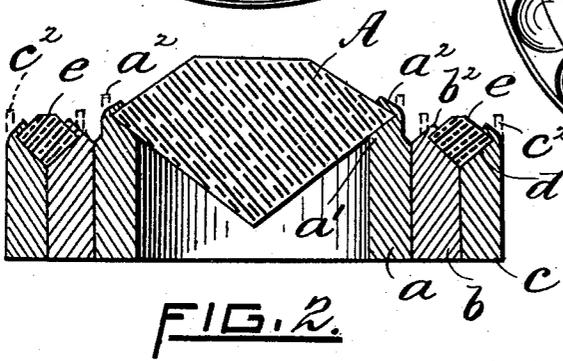
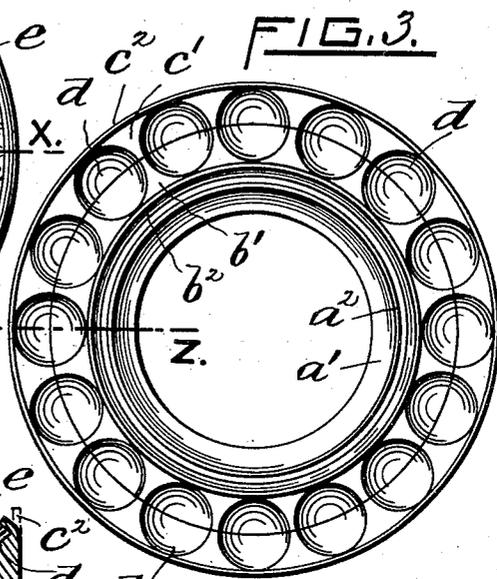
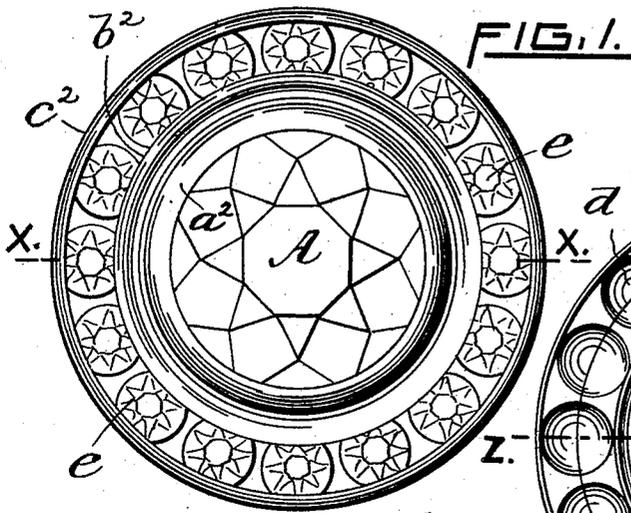


G. W. DOVER.
SETTING.

APPLICATION FILED DEC. 8, 1904.



WITNESSES.

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UNITED STATES PATENT OFFICE.

GEORGE WILLIAM DOVER, OF CRANSTON, RHODE ISLAND.

SETTING.

SPECIFICATION forming part of Letters Patent No. 787,733, dated April 18, 1905.

Application filed December 8, 1904. Serial No. 235,929.

To all whom it may concern:

Be it known that I, GEORGE WILLIAM DOVER, a citizen of the United States, residing at Cranston, 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, reference being had therein to the accompanying drawings.

My invention relates to settings for gems, and has for its object a structure in which a plurality of gems may, in effect, be simultaneously inserted and which provides a facile means for locating the gems evenly.

A further purpose is to produce a setting which shall be durable and whose parts are capable of assembly in a cheap and expeditious manner.

To the above ends my invention consists in the novel structure and combination of parts hereinafter described, and shown in the accompanying drawings, wherein—

Figure 1 is a plan view of my new setting in cluster form containing gems; Fig. 2, a transverse section of the same on line ax of Fig. 1; Fig. 3, a plan view of my setting without gems; Fig. 4, a partial section of the same on line zz of Fig. 3. Figs. 5 and 6 are sectional and plan details, respectively, of a modification of my setting; and Figs. 7 and 8 are similar details of another modification.

Like reference-letters indicate like parts in Figs. 1 to 4.

An approved embodiment of my invention consists of a plurality of annular members or rings—in this instance three—concentrically arranged. The inner ring a has an interior annular shoulder a' near its top and is surmounted by a vertical flange or extension a^2 . The latter is adapted to be bent inwardly over the edge of a central stone A , whose lower margin rests upon the shoulder a' . Adjacent the ring a is a ring b , having a flat top or shoulder b' , (best seen in Fig. 3,) supporting upon its inner margin a vertical annular flange b^2 . Contiguous the ring b is the third ring c , also provided with a flat shoulder or top c' and bounded by a vertical annular flange or extension c^2 . The flat base or floor formed by the surfaces of the shoulders b' c' is provided

at intervals with conical holes d , adapted to form seats for the bases of the gems e . After placing the gems e into the openings d the flanges b^2 and c^2 are inwardly bent toward each other and over the upper margins of the inclosed stones.

The annular telescoping members a , b , and c are assembled by frictional contact; but, if preferred, it is obvious that solder may be inserted or drawn between their contacting surfaces. It is also to be understood that a greater or less number of annular members than three may be employed.

For the purposes of illustration the flanges a^2 , b^2 , and c^2 are of exaggerated dimensions. These flanges, unlike the ordinary setting-prongs, are capable of being simultaneously bent down upon the inclosed stones.

When gems e^5 having flat bases are used in the setting, the openings d may be omitted from the rings b^2 c^2 , as shown in Figs. 5 and 6.

When only two annular members are used, the inner of which holds the central stone or stones, the arrangement shown in Figs. 7 and 8 is convenient. The inner ring a' is exteriorly grooved to form a bearing n for the outer stone, while the contiguous ring b' omits its inner flange b^2 and substitutes therefor an outer annular flange b^3 .

Having described my invention, what I claim is—

1. A gem-setting comprising a plurality of rings in frictional contact with each other, and means upon the rings for engaging the gems.

2. A gem-setting comprising a plurality of rings assembled one within another and arranged in frictional contact with each other, and annular flanges upon the rings adapted to engage the gems.

3. A gem-setting comprising inner and outer rings fixed with respect to each other, flanges, on the rings, having continuous free edges arranged to be bent against opposite sides of a plurality of gems disposed between the flanges, and a ring fixed inside of the inner of the first-mentioned rings and having a flange provided with a continuous free edge arranged to be bent inwardly against a large, central gem.

4. A gem-setting comprising inner and

outer rings fixed with respect to each other,
and having shoulders c' and b' , respectively,
and also having portions forming conical seats
 d , flanges on the rings, having continuous free
5 edges arranged to be bent against opposite
sides of a plurality of gems disposed between
the flanges, and a ring fixed inside of the in-
ner of the first-mentioned rings and having a
shoulder a' and also having a flange provided

with a continuous free edge arranged to be 10
bent inwardly against a large, central gem.

In testimony whereof I have affixed my sig-
nature in presence of two witnesses.

GEORGE WILLIAM DOVER.

Witnesses:

HORATIO E. BELLOWS,
WILLIAM C. BROWN.