

No. 668,318.

Patented Feb. 19, 1901.

H. E. PATTON.
SETTING FOR JEWELS.
(Application filed May 31, 1900.)

(No Model.)

Fig. 1.

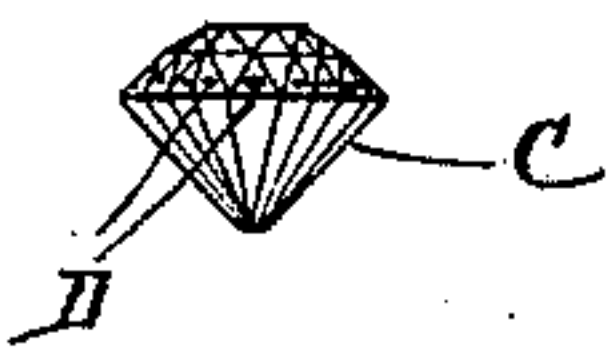


Fig. 2.

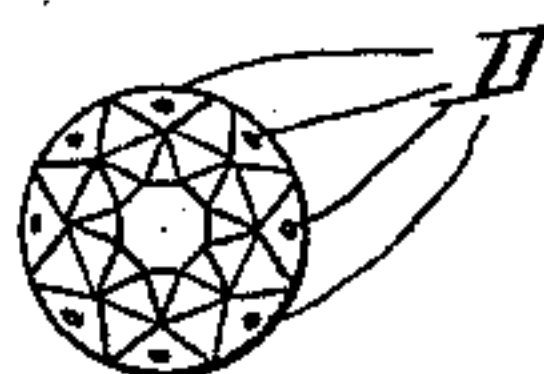


Fig. 3.

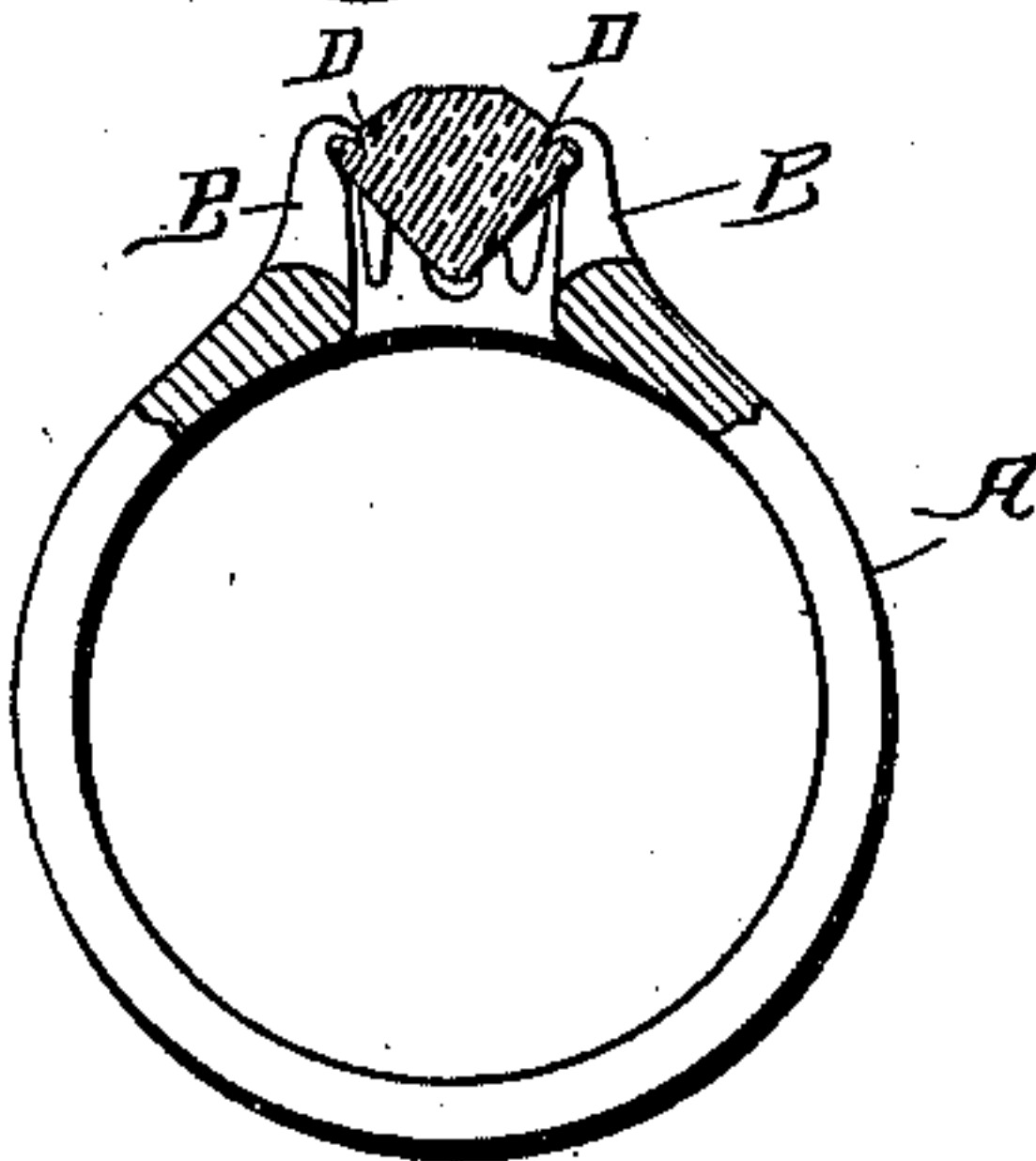
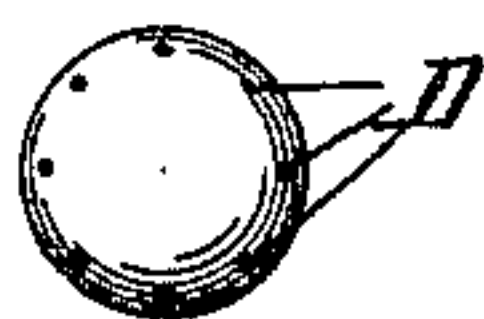


Fig. 4.



Fig. 5.



Witnesses:

H. B. Hallock.
L. H. Morrison.

Inventor.
Harriet E. Patton.

By W. H. Haystack
Attorney.

UNITED STATES PATENT OFFICE.

HARRIET E. PATTON, OF TIPTON, IOWA.

SETTING FOR JEWELS.

SPECIFICATION forming part of Letters Patent No. 668,318, dated February 19, 1901.

Application filed May 31, 1900. Serial No. 18,489. (No model.)

To all whom it may concern:

Be it known that I, HARRIET E. PATTON, a citizen of the United States, residing at Tipton, in the county of Cedar and State of Iowa, have invented a certain new and useful Improvement in Settings for Jewels, of which the following is a specification.

My invention relates to a new and useful improvement in settings for precious stones, and has for its object to so construct such a setting as to firmly secure the stone in place and prevent the possibility of its being lost by dropping from the setting.

With this end in view this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, the construction and operation will now be described in detail, referring to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a side view of a stone prepared after the manner of my improvement for its setting; Fig. 2, a plan view thereof, showing the indentations in which the prongs of the setting are to be clenched; Fig. 3, a section of a ring, illustrating the manner of setting a diamond therein in accordance with my improvement; Fig. 4, a side view of a stone the upper portion of which is semispherical, while its lower portion is conical, showing the indentations therein which adapt it for use in connection with my improved form of setting; and Fig. 5, a plan view thereof.

In carrying out my invention as here embodied A represents a ring having the setting B formed thereon composed of the usual prongs, terminating in points which are adapted to be bent inward for the securement of the stone. The prongs have shoulders formed thereon at the base of the points, and these shoulders serve to support the stone, as clearly shown in Fig. 3.

C represents the stone to be set, which is prepared for such setting by the formation of the indentations D upon the upper edge of the periphery thereof, so that when this stone

is placed within the setting the pointed ends of the prongs may be so bent inward as to project into these indentations, and thereby clench the stone in position. By this arrangement it will be seen that a positive hold is had upon the stone, which will prevent its dislodgment and at the same time in no wise interfere with the appearance of the stone, since the prongs conceal the indentations. Any form of stone may be set in this manner, and in Figs. 4 and 5 I have shown one form of stone especially adapted for such setting.

Heretofore much inconvenience and large losses have been occasioned by the displacement of valuable stones from their settings on account of the small hold had by the prongs upon the stone and from the further fact that the inturned ends of the prongs only bore against the inclined upper surface of the stone, thus being easily bent or sprung outward by slight pressure brought to bear upon the stone. This disadvantage is entirely overcome by my improvement, and the cost of setting stones in accordance therewith is not increased over the old form of setting.

Having thus fully described my invention, what I claim as new and useful is—

1. The combination of a stone having indentations in the upper surface thereof, and a setting composed of prongs, the ends of which are turned into said indentations, whereby the stone is clenched in place, as specified.

2. In combination with a setting of the character described, a stone having indentations in its upper surface adapted to receive the inturned points of the prongs of said setting, as specified.

3. In combination with a stone having indentations therein, of a setting consisting of prongs, the upper ends of which are turned into said indentations, as and for the purpose set forth.

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

HARRIET E. PATTON.

Witnesses:

F. J. CASTERLINE,
ADDIE THOMPSON.