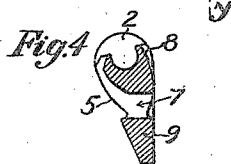
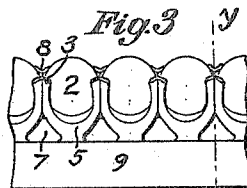
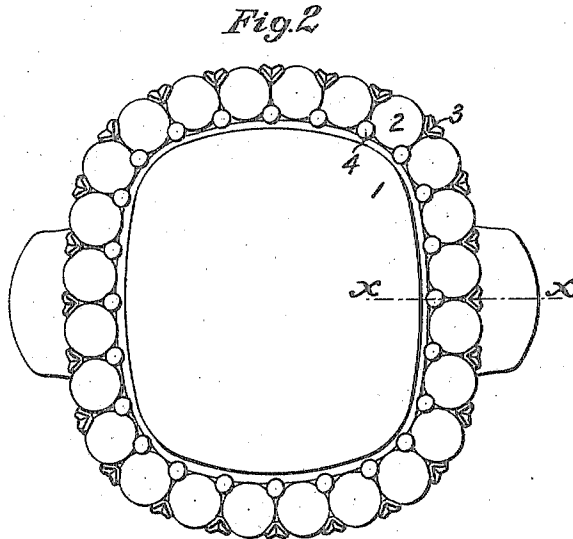
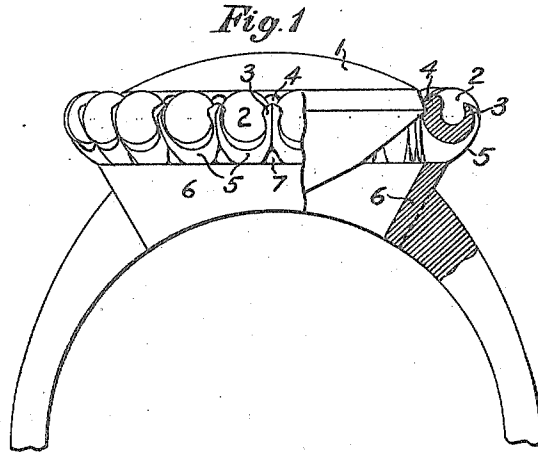


H. W. FISHEL.
 JEWELRY.
 APPLICATION FILED APR. 1, 1909.

948,044.

Patented Feb. 1, 1910.



Witnesses
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UNITED STATES PATENT OFFICE.

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JEWELRY.

948,044.

Specification of Letters Patent.

Patented Feb. 1, 1910.

Application filed April 1, 1909. Serial No. 487,118.

To all whom it may concern:

Be it known that I, HENRY W. FISHEL, a citizen of the United States, residing at the borough of Manhattan, city of New York, in the county of New York and State of New York, have invented a certain new and useful Improvement in Jewelry, of which the following is a specification, reference being had therein to the accompanying drawings, forming part thereof.

This invention relates to articles of jewelry in which a plurality of jewels are mounted in a cluster or a row, particularly where the jewels are of rounded form, as in the case of pearls and of stones of cabochon form.

One object of the invention is to produce an article of the kind referred to with a setting having novel and improved means for securing the jewels in place.

Another object of the invention is to produce a setting in which the several jewels, while securely fixed in place, are displayed to the greatest advantage, while the article as a whole has a light and artistic appearance due to the use of a minimum amount of metal in immediate conjunction with the jewels.

One feature of the invention, by which the objects above referred to are accomplished, consists in the use, for securing the jewels in place, of a finger which is located in the angular space between a plurality of adjacent jewels of rounded form and which is upset to form a rounded head or knob which overhangs and engages the jewels.

Another feature of the invention consists in the use, in connection with a plurality of adjacent rounded jewels, of a support of peculiar form for each of the jewels, these supports being united together at their adjacent points, but having separate points of connection with a body or frame upon which they are mounted.

Other objects and features of the invention will be apparent from the following description of the illustrated embodiment of the invention.

I will now describe the embodiment of my invention illustrated in the accompanying drawings, and will thereafter point out my invention in claims.

Figure 1 is a side elevation of a cluster setting embodying the present invention, shown partly in section on the line $x-x$ in

Fig. 2. Fig. 2 is a plan view of the setting shown in Fig. 1. Fig. 3 is a side elevation of a bar setting embodying a portion of the invention in modified form. Fig. 4 is a section on the line $y-y$ in Fig. 3.

In Figs. 1 and 2 I have illustrated a cluster adapted for use on a finger ring or a pin or other article of jewelry. The center of the cluster is occupied by a jewel 1 of cabochon form, and this jewel is surrounded by a border of pearls or other jewels 2 of rounded form. The pearls are secured, at their outer sides, by fingers of fish-tail form which are similar to those described in an application filed by me on January 27, 1909, Serial Number 474,492. At their inner sides, however, the pearls and also the jewel 1 are secured by novel means consisting of fingers 4. Each finger 4 is located in the approximately triangular space formed by the conjunction of the jewel 1 and two of the pearls, and the finger extends slightly above the greatest diameter of the pearls and above the steeply beveled edge of the jewel 1. The fingers 4, as originally formed, may be of uniform diameter, but, after the jewels have been inserted in the setting, the end of each finger is upset and enlarged, by means of a suitable tool, to form a slightly enlarged rounded head, and this head overhangs and engages all three of the contiguous jewels and secures them firmly in place.

In setting cabochon stones it has heretofore been usual to secure them in place by cement or by solid bands of metal surrounding and overhanging their margins, since, owing to the steep inclination of the margins, the ordinary claw settings or beaded settings are insecure and unsatisfactory. In my construction, however, each finger 4 forms a practically rigid and unyielding securing device, since it is supported in all directions by the surrounding jewels, and thus each jewel acts, in conjunction with the finger, to lock the others in place. In this way I am enabled to set a cabochon jewel, or a group of jewels of rounded form, with a minimum amount of surrounding metal, and this is an important point, since jewels of this form, in order to be displayed to the best effect, should be well exposed and illuminated from all directions.

Another feature of my invention resides in the mounting of the pearls 2. Each pearl is mounted in a rounded recess in a

cup-shaped support 5. The supports 5 are cut away at the outside to expose the pearls fully, but are united between the pearls to form the jewel-retaining fingers 3 and 4 above described. Although joined or integral at these points, however, the supports have independent points of connection with the base or frame 6 of the setting, so that intermediate perforations 7 are produced, which illuminate the interior of the setting and impart an appearance of lightness to the exterior.

In Figs. 3 and 4 the arrangement of the supports 5, just described, is illustrated as applied to a jewel bar. Here the supports are mounted on a bar 9 which may form part of an article of any suitable design, and in place of the upset fingers 4 the pearls are secured in place at the back by fingers 8 similar to the fingers 3 at the front.

It is obvious that my invention may be embodied in articles of various designs, and that it is not limited to the features of construction hereinbefore set forth except in so far as they are defined in the following claims.

I claim:

1. An article of jewelry comprising a metal body provided with a mounting, and a plurality of jewels mounted thereon in substantially contiguous positions, said mounting including a jewel-securing finger located in the angular space between adjacent jewels and having a rounded upset head overhanging and engaging a plurality of said jewels.

2. An article of jewelry comprising a metal body provided with a mounting, and a plurality of jewels mounted thereon in a

group, said mounting including a jewel-securing finger projecting into the angular space between three contiguous jewels and having a rounded upset head overhanging and engaging all of said three jewels.

3. An article of jewelry comprising a metal body provided with a mounting, and a plurality of jewels of rounded form mounted thereon in substantially contiguous positions, said mounting comprising a jewel-securing finger located in the angular space between adjacent jewels and projecting beyond the point of greatest diameter thereof, the finger having a rounded upset head overhanging and engaging a plurality of said jewels.

4. An article of jewelry comprising a metal body, a plurality of substantially contiguous jewels of rounded form, and a single individual support for each jewel, the supports being secured to and extending upward from the body each at a separate point but being united to each other above the body so as to provide with the body a succession of spaces or perforations between and beneath the supports, and each support extending upwardly into the angular spaces between the adjacent jewels and terminating in upwardly - extending jewel - securing fingers engaging the jewels only in the angular spaces between the jewels, the supports being also recessed between the fingers to expose the jewels fully.

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

HENRY W. FISHEL.

Witnesses:

LESLIE H. FISHEL,
BERNARD COWEN.