

(No Model.)

2 Sheets—Sheet 1.

A. BIPPART & J. H. THEBERATH.
JEWEL SETTING.

No. 506,621.

Patented Oct. 10, 1893.

Fig. 1.

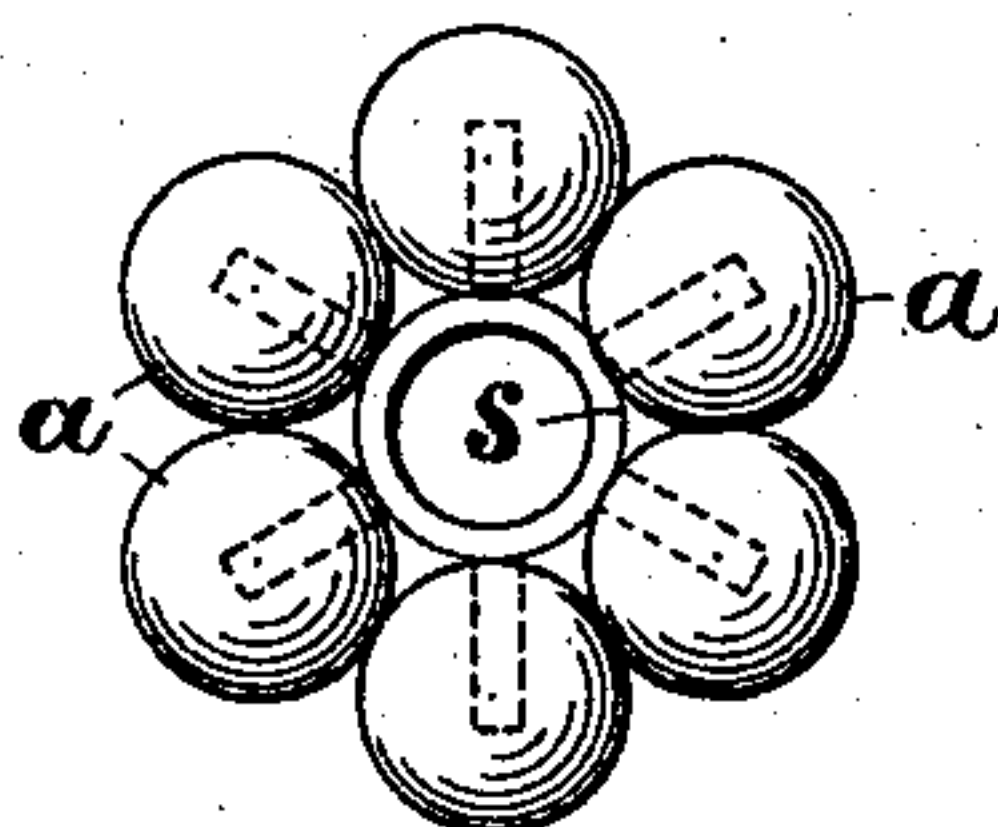


Fig. 2.

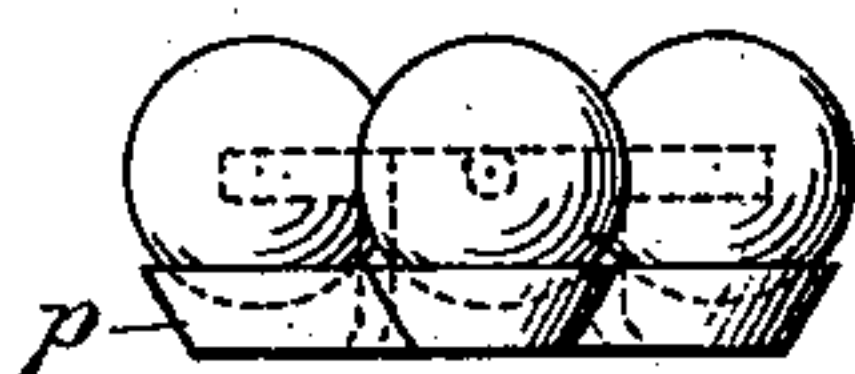


Fig. 3.

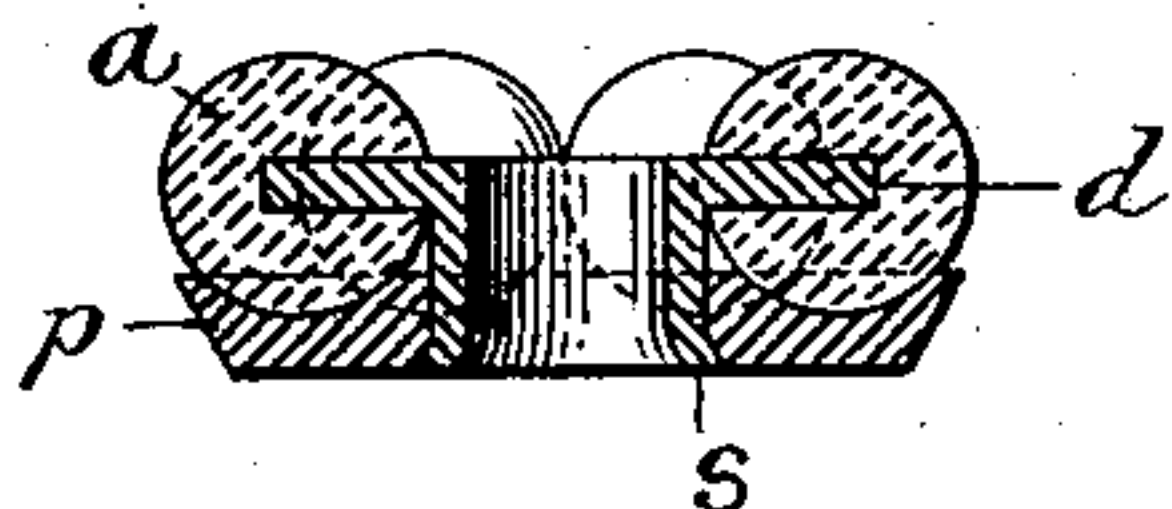


Fig. 4.

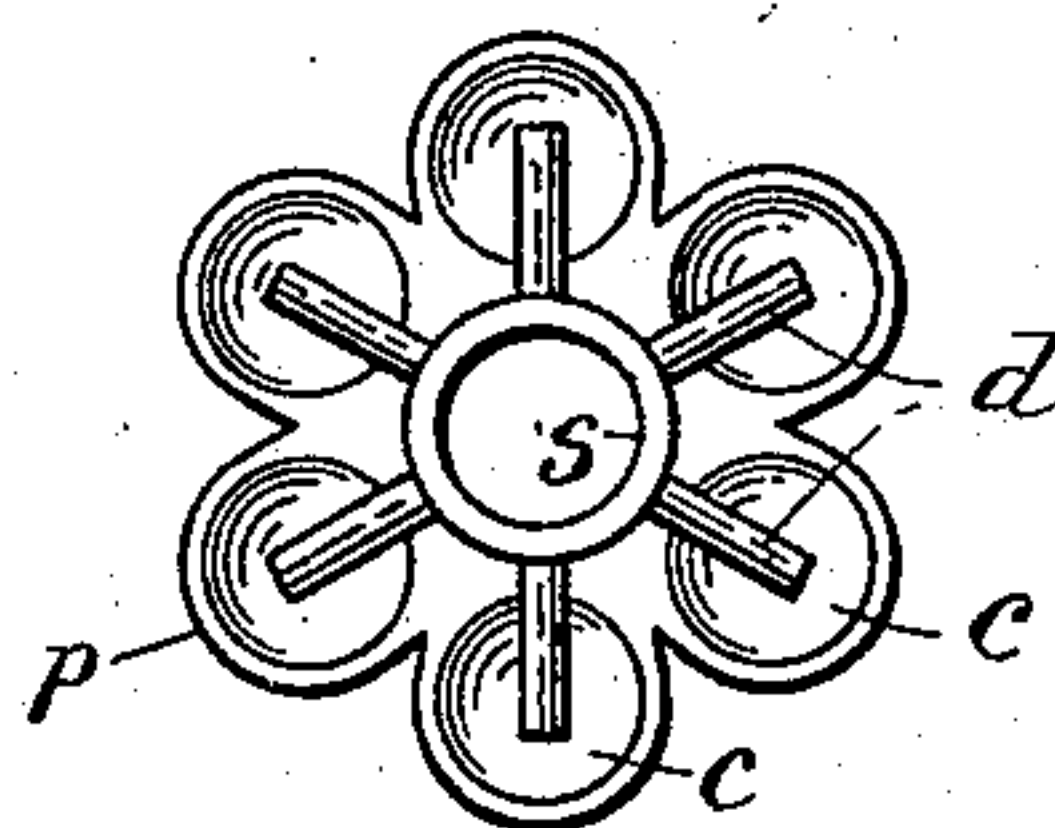


Fig. 5.

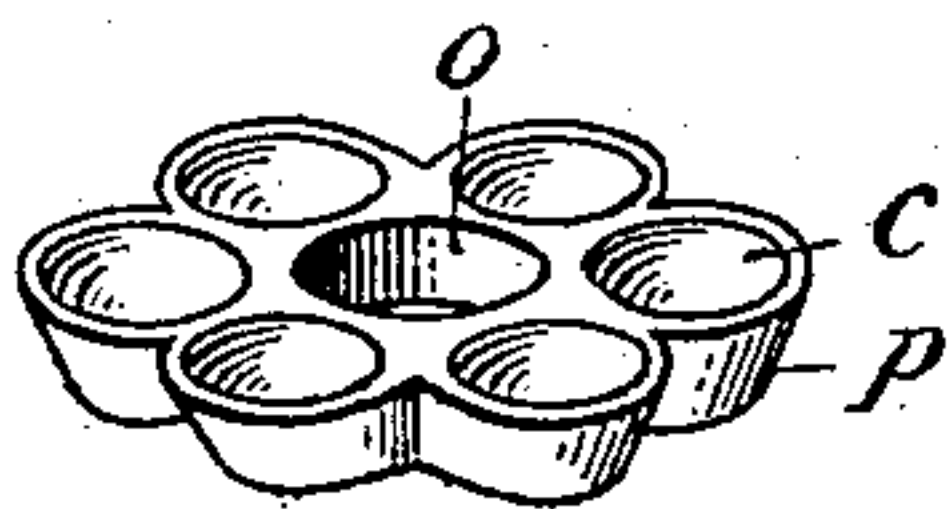
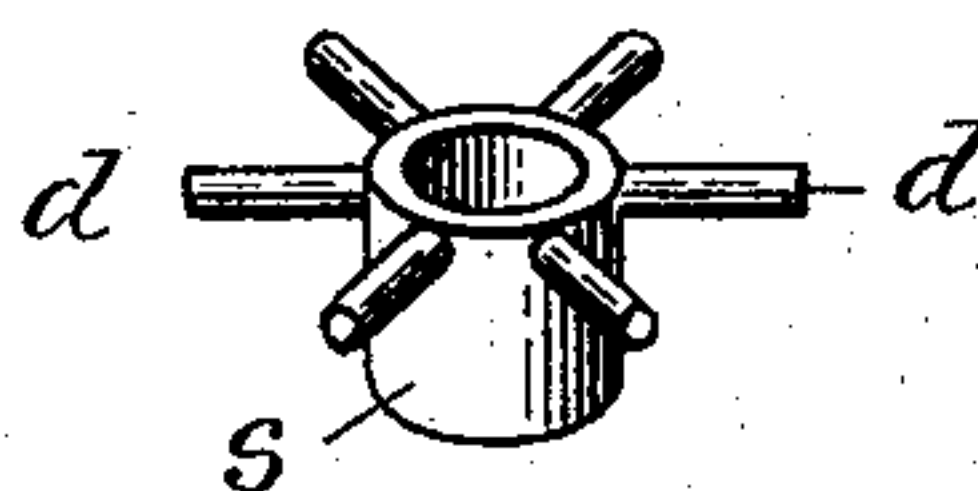


Fig. 6.



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2 Sheets—Sheet 2.

A. BIPPART & J. H. THEBERATH.
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Fig. 7.

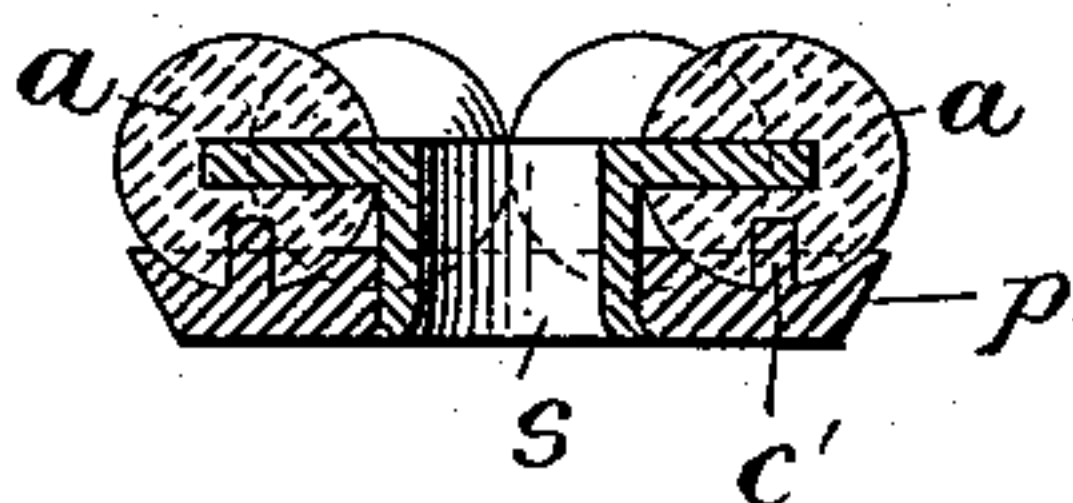
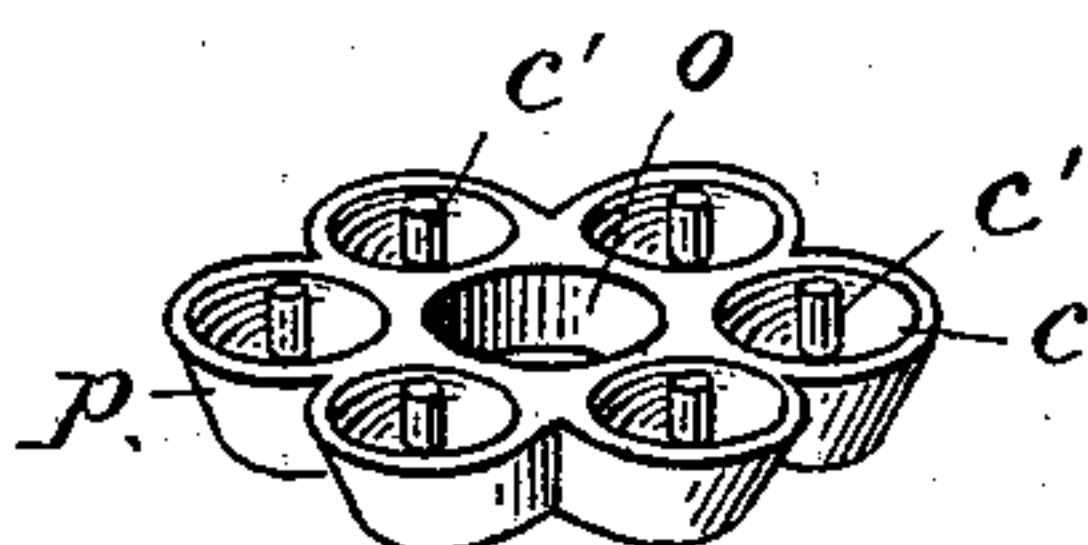


Fig. 8.



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UNITED STATES PATENT OFFICE.

ACHILL BIPPART AND JOHN HENRY THEBERATH, OF NEWARK, NEW JERSEY, ASSIGNORS TO BIPPART & CO., OF SAME PLACE.

JEWEL-SETTING.

SPECIFICATION forming part of Letters Patent No. 506,621, dated October 10, 1893.

Application filed May 9, 1893. Serial No. 473,532. (No model.)

To all whom it may concern:

Be it known that we, ACHILL BIPPART and JOHN HENRY THEBERATH, citizens of the United States, residing at Newark, Essex county, New Jersey, have invented certain new and useful Improvements in Jewel-Settings, fully described and represented in the followingspecification and the accompanying drawings, forming a part of the same.

The object of this invention is to provide a simple and effective setting for jewels, which shall be both neat in appearance and durable.

Heretofore, various devices have been employed for fastening jewels in their settings, but such prior constructions have been objectionable either because they marred the appearance of the jewel by the conspicuous exposure of the means of fastening the same in place, as in certain constructions, or because the fastenings for the jewels were rendered unreliable by the use of cement which is liable to soften under certain conditions to which jewelry is apt to be exposed, as in certain other constructions. In our invention the setting is effected exclusively by mechanical means which are hidden from view, whereby the durability of the setting is assured while the appearance of the jewels is unimpaired. As we employ no cement in securing the jewels in place, they may be thoroughly cleaned in any suitable manner without the slightest liability of releasing them from the setting in the operation.

The invention consists primarily in the combination, with a plate having a stud upon the same, of pins projected laterally from the stud and fitted each to a hole in a jewel, and means applied to the plate for holding the jewels upon their respective pins.

The invention consists further in certain details of construction.

In the annexed drawings, Figure 1 is a plan and Fig. 2 an edge view of a cluster of pearls in a setting embodying our invention in what we consider the preferable form. Fig. 3 is a central transverse section of the same through the centers of two opposite pearls. Fig. 4 is a plan of the setting with the pearls omitted. Figs. 5 and 6 are perspective views of the plate and the central stud, respectively. Fig. 7 is a transverse section, similar to Fig. 3, of

a form of the invention showing additional means of security for the jewel to that shown in the latter figure, and Fig. 8 is a perspective view of the plate in such modified form of the improvement.

The drawings illustrate the invention as embodied in a setting for a cluster of pearls, and is made upon an enlarged scale to fully expose the characteristic features of the improvement.

The plate *p* is formed with the cups *c* in its upper face conforming with the curvature of the pearls *a* disposed around a central aperture *o*. The stud *s*, which is in practice formed of a piece of hollow wire, is fitted at one end to the hole *o* in the plate and is provided at the other end with a series of radially projecting pins *d* corresponding in number and relation with the cups *c* and fitted to lateral holes in the pearls.

The fastening of the several members together is effected by first applying a series of pearls to the laterally projecting pins *d* upon the stud *s*, then applying the stud to the hole *o* in the plate and drawing it within the plate to bring the several pearls to a firm seat in their respective cups, and finally expanding the end of the stud within the hole *o* and thereby riveting the stud in its place and locking the individual pearls from lateral displacement upon their respective pins.

In Figs. 7 and 8, the bottom of each cup is shown provided with a radial pin *c'* fitted to an additional hole in its respective pearl, whereby increased security is afforded against the loss of the pearl. With the extra pins *c'* upon the plate, the cups *c* may obviously be omitted without avoiding the essential feature of the invention; as, in such case, one set of pins operates in conjunction with the other to hold the pearls thereon, and thus forms means equivalent to the cups *c* for holding the pearls upon the lateral pins *d*.

It is evident that, although the invention is designed to furnish an effective setting for pearls, it is adapted for other kinds of jewels also; and that the invention is not confined to the specific means herein shown and described for effecting such result.

Having thus set forth the nature of the invention, what we claim herein is—

1. In a jewel setting, the combination, with

a plate having a stud upon the same, of pins projected laterally from the stud and fitted each to a hole in a jewel, and means applied to the plate for holding the jewels upon their
5 respective pins, substantially as herein set forth.

2. In a jewel setting, the combination, with a plate having a stud upon the same, of pins projected laterally from the stud into holes in
10 the jewels, the adjacent surface of the plate being recessed to receive the jewels and thereby prevent their movement upon their respective pins, substantially as herein shown and described.

15 3. A jewel setting comprising a plate having a central aperture with a series of cups arranged around the same, and a stud having one end fitted to the aperture in the plate

and provided upon the other end with a series of laterally projecting pins corresponding in
20 number and relation with the cups in the plate, as and for the purpose set forth.

4. The jewel setting comprising the plate *p* having the aperture *o* and series of cups *c* with radial pins *c'* therein, and the stud *s*
25 fitted to the aperture *o* at one end and having the pins *d* upon the other end, as herein shown and described.

In testimony whereof we have hereunto set our hands in the presence of two subscribing
30 witnesses.

ACHILL BIPPART.

JOHN HENRY THEBERATH.

Witnesses:

CHRIST. MAYER,

HENRY J. MILLER.