

(No Model.)

F. X. ZIRNKILTON.  
JEWELRY.

No. 424,749.

Patented Apr. 1, 1890.

FIG. 1

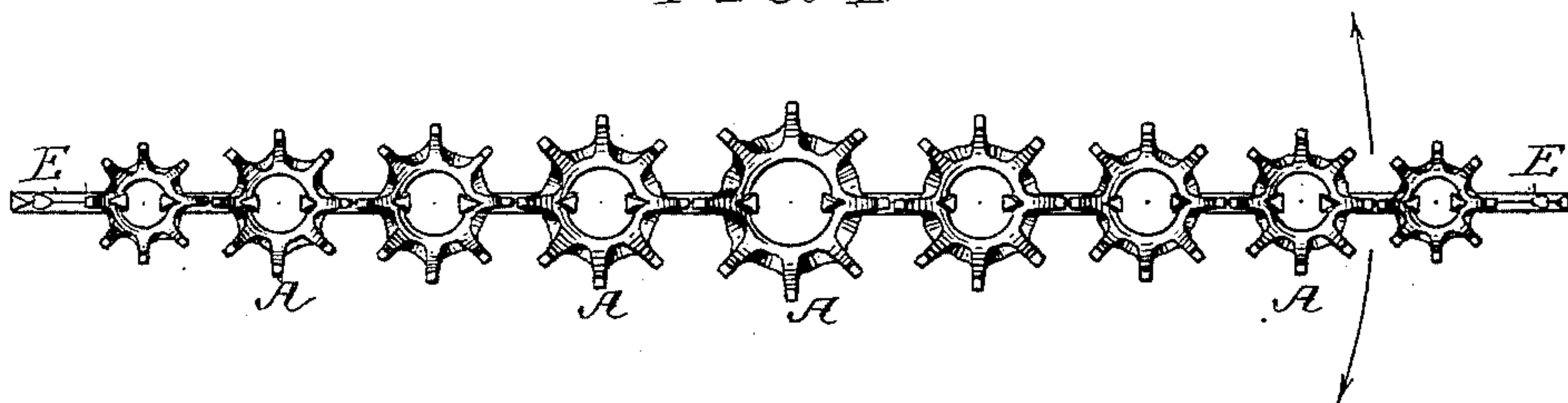


FIG. 2

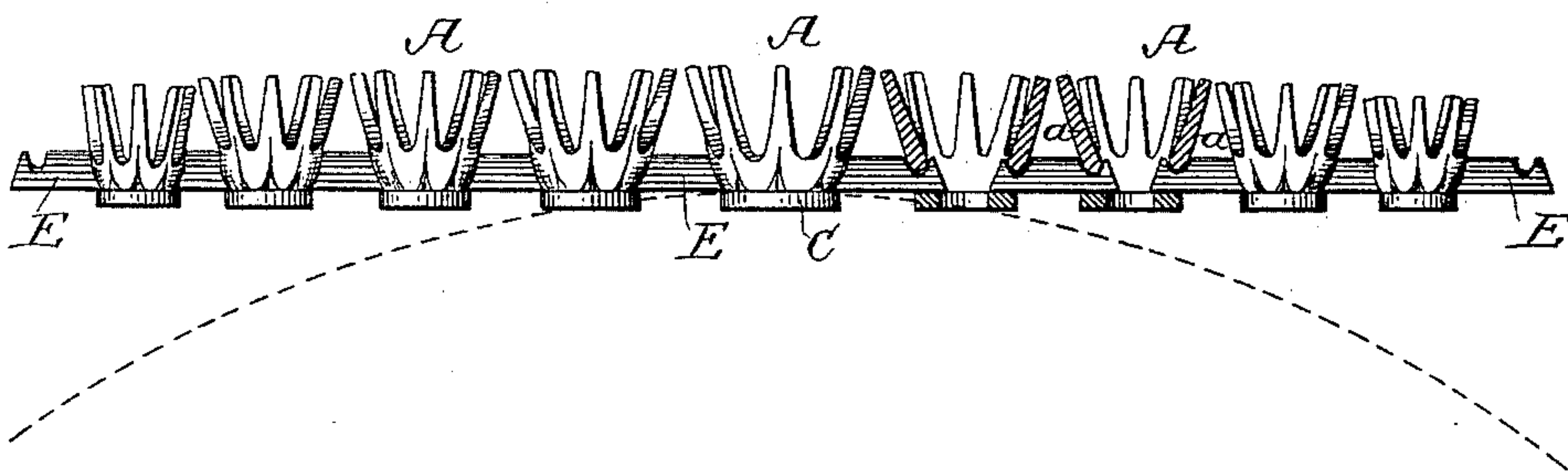


FIG. 3

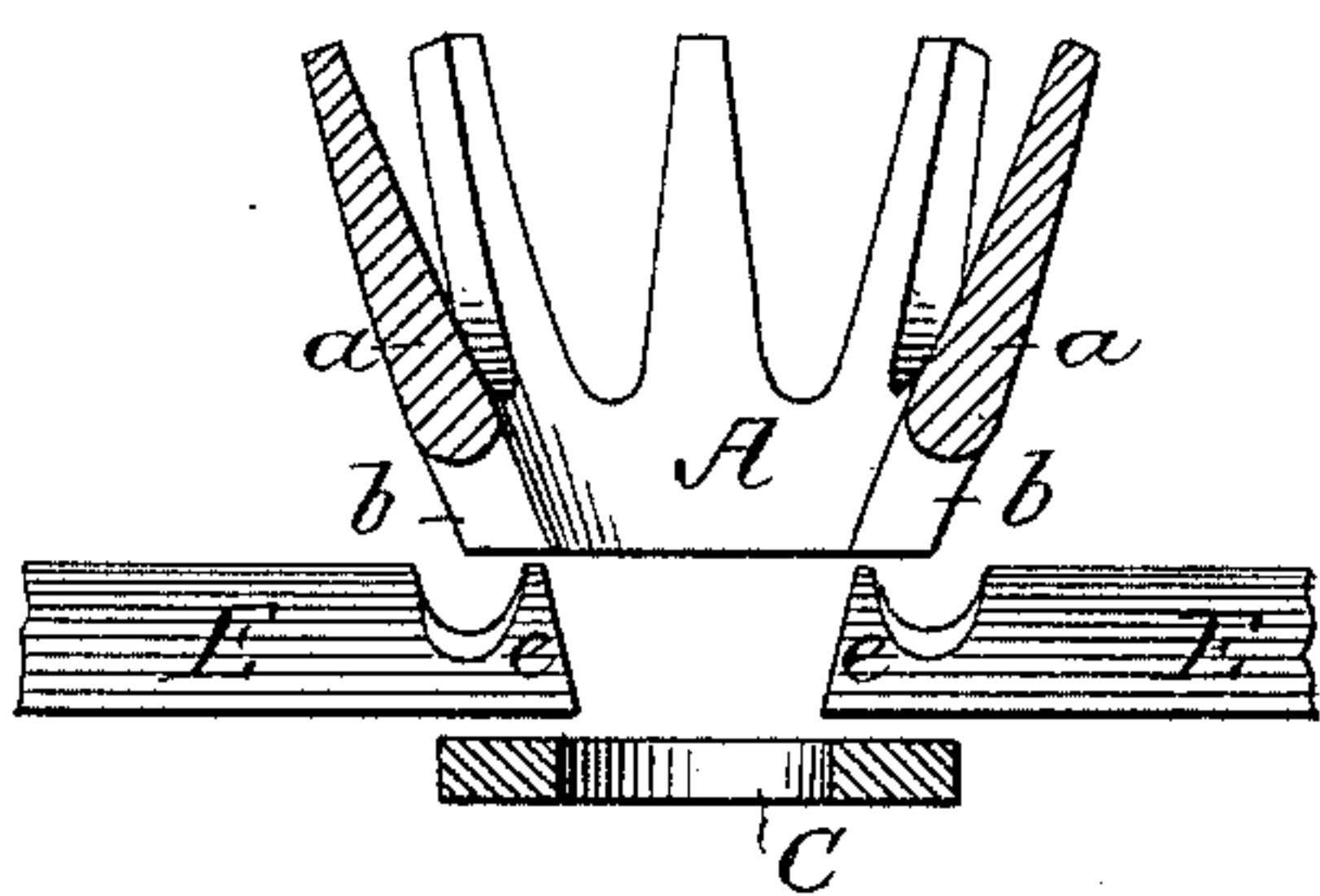


FIG. 4

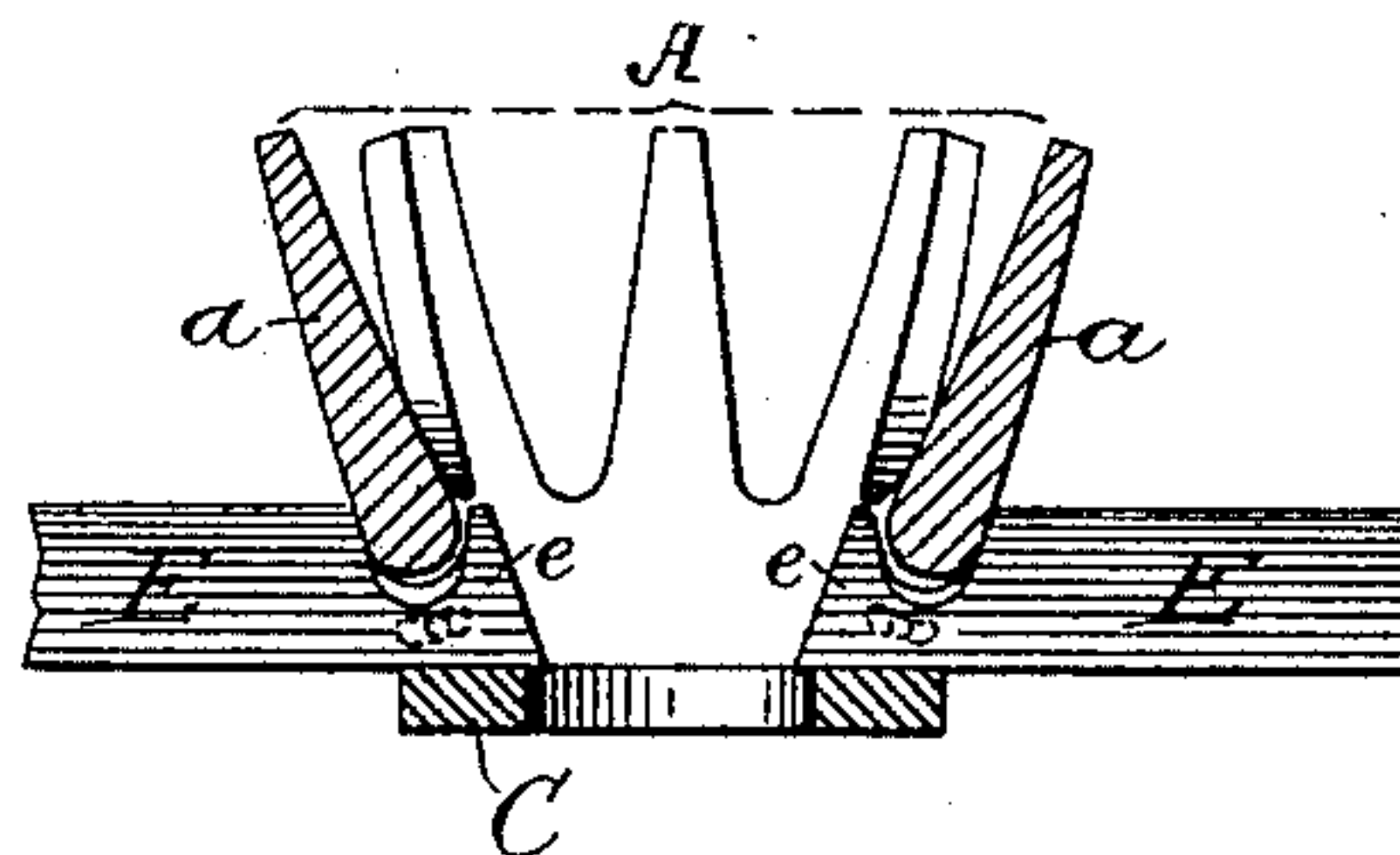


FIG. 6

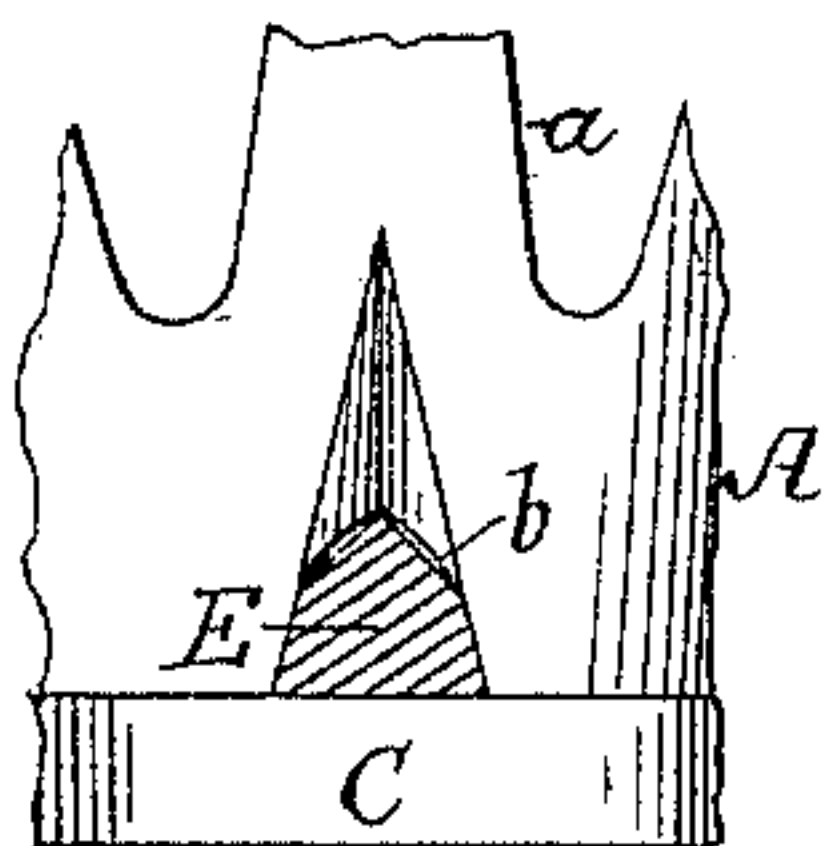


FIG. 5

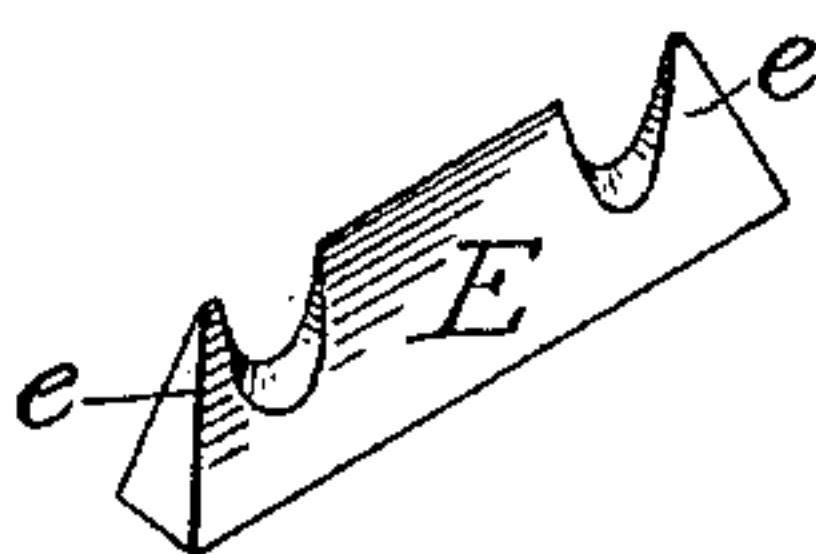
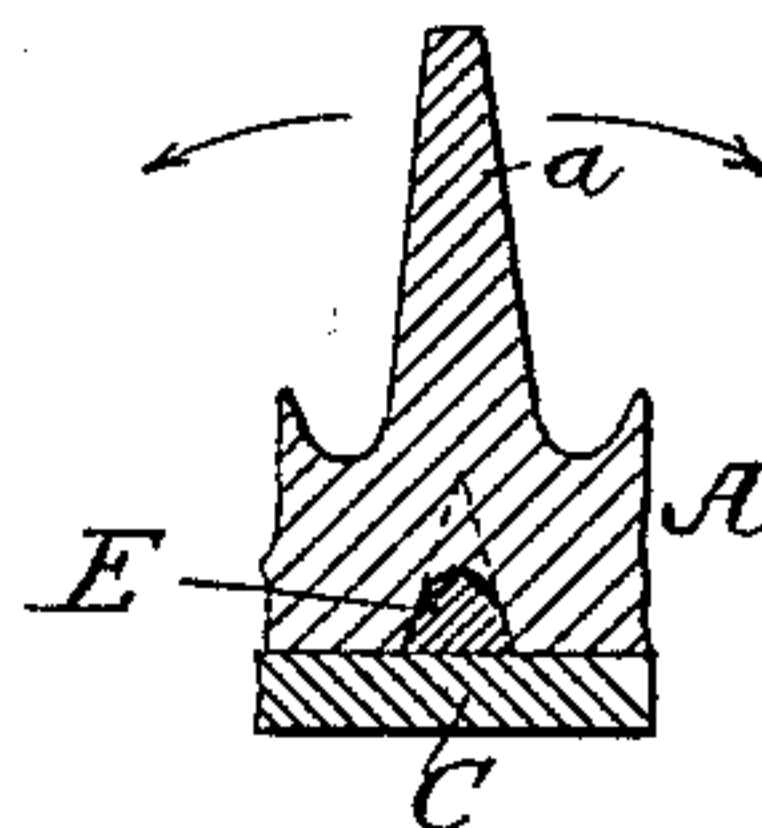


FIG. 7



Witnesses:  
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Inventor:  
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# UNITED STATES PATENT OFFICE.

FRANCIS X. ZIRNKILTON, OF PHILADELPHIA, PENNSYLVANIA.

## JEWELRY.

SPECIFICATION forming part of Letters Patent No. 424,749, dated April 1, 1890.

Application filed December 20, 1889. Serial No. 334,371. (No model.)

*To all whom it may concern:*

Be it known that I, FRANCIS X. ZIRNKILTON, a citizen of the United States and a resident of Philadelphia, Pennsylvania, have invented certain Improvements in Chain Jewelry, of which the following is a specification.

The object of my invention is to improve the construction of that class of bracelets and necklaces in which a series of stone-settings or other sections are connected together so as to form the bracelet or necklace.

In the accompanying drawings, Figure 1 is a plan view of part of a bracelet illustrating my invention. Fig. 2 is a side view partly in section. Fig. 3 is an enlarged section through one of the settings with the parts detached. Fig. 4 is a similar section with the parts secured together. Fig. 5 is a detached perspective view of one of the connecting-links. Fig. 6 is an end view of one of the settings, and Fig. 7 is a transverse sectional view through one of the joints.

In manufacturing jewelry composed of a series of connected sections it is desirable to keep the upper surfaces of said sections, whether jeweled or otherwise ornamented, always in line and exposed to view. In the ordinary construction of such section-jewelry the jewels assume different angles in respect to each other, so that the full value of the setting is oftentimes sacrificed. It is to overcome this objection that I construct the device in the following manner:

A A are the sections to be linked together, these sections in the present instance being shown as settings for precious stones. The side wall *a* of each setting is cut away or grooved at *b*, as shown in Figs. 3 and 6, and to this grooved portion is adapted the notched end *c* of the connecting link or bar, which is preferably tapered, as shown in Fig. 5. When the bars are in the position shown in Fig. 4, a ring or bezel *C* is soldered or otherwise secured to the lower edge of the section *A*, thus holding the links or bars in position.

By beveling the notched portions of the links or bars *E* sufficient play is obtained to allow the bracelet or necklace to be bent, as

shown by the dotted line in Fig. 2, so as to permit it to be clasped around the wrist or neck, the joint being loose enough to allow a certain amount of transverse movement in the direction of the arrows, Fig. 1; but in no case can one of the series of settings assume a position out of line with the other setting by movement in the direction of the arrows, Fig. 7, so that when the necklace or bracelet is in position on the wearer all the stones or other ornamentations show to the best advantage.

Other means than the ring or bezel *C* may be used to confine the sections to the links—for instance, a transverse pin passed through a slot in the link, as shown by dotted lines in Fig. 4. The ring or bezel is in all cases to be preferred, however, as insuring a good bearing-surface at the back.

I claim as my invention—

1. The combination, in chain jewelry, of the series of sections having notched or grooved side walls, with links notched and adapted to the notched portions of the sections, and means for securing the links to the sections, substantially as described.

2. The combination of the sections having notched or grooved side walls, links having notches at the ends and having said notched portions adapted to the notches in the sections, and caps or bezels secured to the sections and confining the same to the links, substantially as specified.

3. The combination of the sections having notches or grooves in the side walls, with tapered links having tapered notches cut in the same at each end for adaptation to the notched walls of the sections, and caps or bezels secured to the sections and confining the links thereto, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FRANCIS X. ZIRNKILTON.

Witnesses:

R. SCHLEICHER,  
HARRY SMITH.