

(No Model.)

C. BETSCH.
SETTING BAND FOR STONES.

No. 512,093.

Patented Jan. 2, 1894.

Fig. 1.

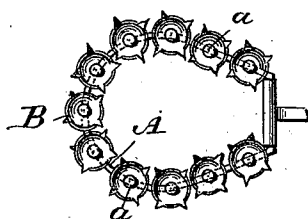


Fig. 2.

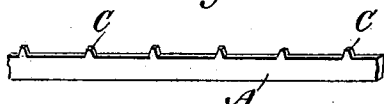


Fig. 3.



Fig. 4.

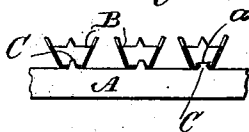


Fig. 5.



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SETTING-BAND FOR STONES.

SPECIFICATION forming part of Letters Patent No. 512,093, dated January 2, 1894.

Application filed January 21, 1893. Serial No. 459,116. (No model.)

To all whom it may concern:

Be it known that I, CHARLES BETSCH, of New York city, in the county and State of New York, have invented a new and useful Improvement in Setting-Bands for Stones, of which the following is a full, clear, and exact description.

My invention relates to an improvement in setting bands for stones, and it has for its object to so connect the settings with the band that the two parts will be virtually integral.

A further object of the invention is to provide a setting especially adapted for imitation stones or brilliants, which when placed upon the band will be held thereon much more firmly than when attached in the ordinary manner, thus providing an article of manufacture in which the settings will not be separated from the bands.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of a setting band having the settings secured thereon by the improved attachment. Fig. 2 is a detail view of a portion of the band. Fig. 3 is a detail perspective view of a cup-form of setting adapted for attachment to the band. Fig. 4 is a vertical section through cup settings located upon a band; and Fig. 5 is a detail perspective view of a plain setting.

Heretofore settings have been soldered to a band adapted to support them, especially settings that are utilized as receptacles for imitation jewels or brilliants. Such an attachment is not a secure one, as frequently the settings are not fastened with sufficient security to the band to hold them firmly in place, especially when the article is subjected to moderately hard usage.

The prime feature of this invention is to provide a simple means, capable of being expeditiously and conveniently applied, whereby the settings will be so firmly secured to the band as to render the two virtually integral parts, and prevent the settings from leaving

the band even though the article be subjected to exceedingly rough usage.

In carrying out the invention the band A may be given any desired shape, and prior to shaping the band the settings B, may be secured upon it. In Fig. 1 I have illustrated a band as bent to a horse-shoe shape. The band A, is provided with a series of pins or spurs C, formed integral with or attached to one of its edges, preferably one side edge, as shown in Fig. 2; and whatever setting be employed, whether it be a cup setting as shown in Fig. 3, or a plain or flat setting as shown in Fig. 5, the setting is ordinarily provided in the central portion of its under face with an aperture D, and this aperture is preferably shaped to correspond to the cross sectional shape of the pins or spurs upon the band. The corresponding formation of the openings in the settings and the spurs or pins on the band is not however essential, as the openings in the settings need only be of such shape as to permit the pins or spurs to extend through them and above the bottom surface of the settings. After the settings have thus been placed upon the spurs or pins, the upper ends of the spurs or pins are upset or headed, as shown at *a* in Figs. 1 and 4, in such a manner as to firmly and securely attach the settings to the band. In fact, the settings are virtually riveted upon the band.

It is obvious that when settings are so secured upon a band they are much more firmly attached and will stand much harder usage than when the settings are simply soldered to place. The improved mode of attaching the settings to a band is exceedingly economic in both time and material, as the apertures in the settings may be made simultaneously with the settings, and the spurs may be cut from the same piece of metal from which the band is produced, and the only labor involved is that of fitting the settings upon the band and upsetting the upper ends of the spurs, which may be accomplished in a much more convenient and expeditious manner than when solder is used as the securing medium.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. As an improved article of manufacture,

a band having spurs or pins projecting therefrom, and a stone setting riveted thereto, by means of the pins as and for the purpose set forth.

5 2. In the setting of stones, the combination, with a band having spurs or pins projected therefrom, of settings apertured to receive the spurs or pins, the upper ends of the spurs or pins being upset or headed upon the setting,
10 as and for the purpose specified.

3. In the setting of stones, the combination, with a band, and spurs or pins projected from a face thereof, of settings provided with apertures in their bottom portions through which
15 the spurs or pins extend, the said spurs or

pins being upset or headed upon the setting, substantially as and for the purpose set forth.

4. The combination, with a setting band for stones, the said band being provided with a pin or spur formed upon one of its faces, of a setting apertured to receive the pin or spur, the pin or spur being provided with a head engaging with the setting at the apertured portion thereof, substantially as and for the purpose set forth.

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