(No Model.)

C. A. FOWLER.

GEM SETTING FOR JEWELRY.

No. 274,583. Patented Mar. 27, 1883.

Fig. 1.

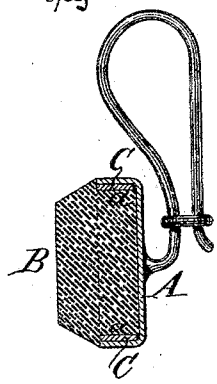


Fig. 4. Fig. 5. Fig. 2. Fig. 6. Fig. 7.

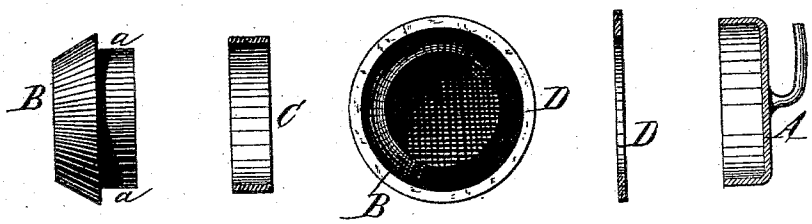
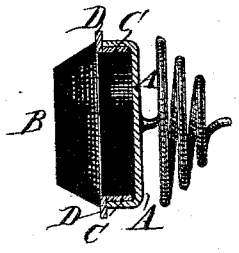


Fig. 3.



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GEM-SETTING FOR JEWELRY.

SPECIFICATION forming part of Letters Patent No. 274,583, dated March 27, 1883.

Application filed February 7, 1883. (No model.)

To all whom it may concern:

Be it known that I, CHARLES ANTHONY FOWLER, of the city, county, and State of New York, have invented certain new and useful Improvements in Gem-Setting for Jewelry, of which the following is a specification.

This invention has reference to an improved setting for gems, and more especially for real and imitation jet; and the invention consists of a stone that is provided with a recessed base part, around which a tightly-fitting metal sleeve is placed that is secured by soldering to the cup-shaped setting, so that the edge of the setting is covered by the projecting edge of the stone. A ring-shaped facing is interposed between the stone and the intermediate sleeve and setting, said facing projecting beyond the edge of the stone.

In the accompanying drawings, Figure 1 represents a vertical transverse section of my improved gem-setting. Fig. 2 is a front view of the same, with the ornamental facing or rim. Fig. 3 is a vertical transverse section of Fig. 2. Figs. 4, 5, 6, and 7 show the different parts of which my improved gem-setting is composed.

Similar letters of reference indicate corresponding parts.

A in the drawings represents a cup-shaped setting, which is preferably made of plated stock, and B represents a stone of real or imitation jet or other material, which is provided with a straight or beveled edge, and back of the same with an annular recess, *a*. The recessed part is produced, in case real jet is used, by means of a clearing-saw, and in case of imitation jet of glass-stock directly by means of dies. The recessed portion of the stone B is surrounded by a tightly-fitting brass or other sleeve, C, which sleeve is secured to the setting A by soft or hard solder, as desired. Owing to the large surface between the sleeve C and setting A, a very intimate and reliable connection of the stone with the setting is produced, by which any detaching of the parts is prevented. All the parts may be put together without difficulty and at little expense.

When jet for mourning-jewelry is used, the stone is so connected that the edge of the same is flush with the cup-shaped setting, so that the metal does not appear on the face side thereof; but when even a more ornamental appearance is to be imparted to the stone, a ring-shaped facing or rim, D, of plain or ornamental design, and preferably of superior metal, is used and interposed between the shoulder formed by the annular recess of the stone and the edges of the intermediate sleeve and socket. This facing or rim D is held back of the stone without solder, simply by the connection of the sleeve with the setting, so that no solder shows on the outside of the setting and tarnishes the same.

The article of jewelry may be made of round or any other desired shape, and of any size, in which case, however, the socket, sleeve, and facing have to correspond to the particular shape of the stone.

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

1. As a new article of manufacture, a gem-setting for jewelry, consisting of a cup-shaped setting, of a stone having an annularly-recessed base part, and of an intermediate sleeve that is tightly fitted onto the annularly-recessed part of the stone and secured to the setting, substantially as described.

2. A gem-setting for jewelry, consisting of a cup-shaped setting, a stone having an annularly-recessed back part, an intermediate sleeve that is tightly fitted to the annularly-recessed part of the stone and secured to the setting, and of a ring-shaped facing or rim, which is interposed between the stone and the edges of the sleeve and setting, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

CHARLES ANTHONY FOWLER.

Witnesses:

CARL KARP,

SIDNEY MANN.