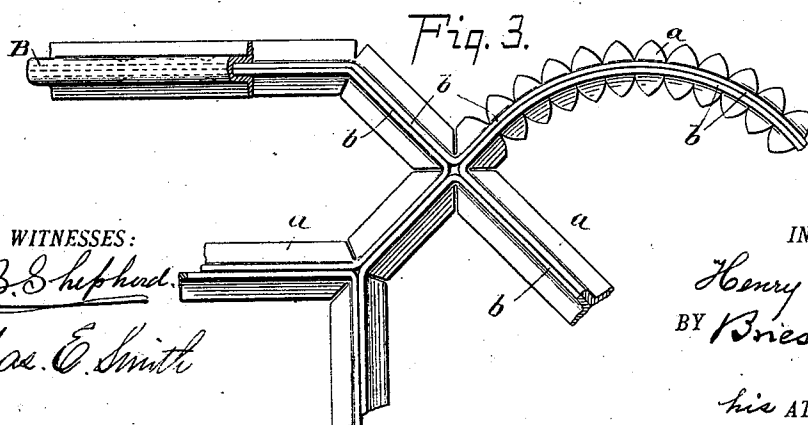
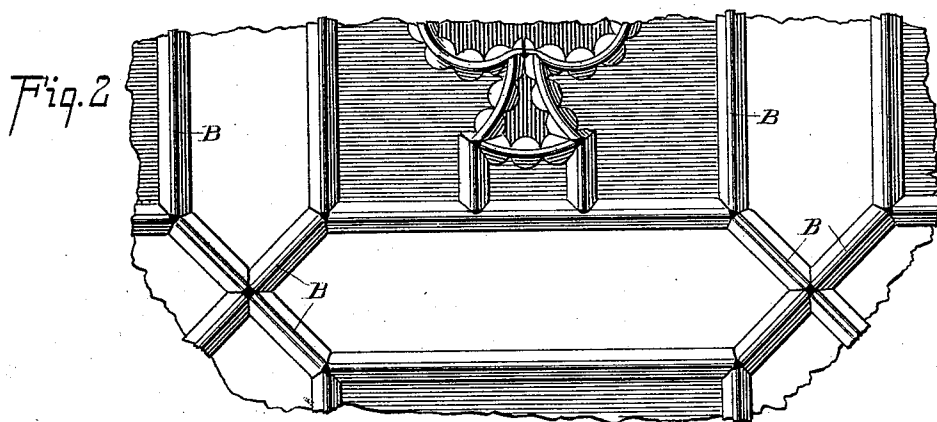
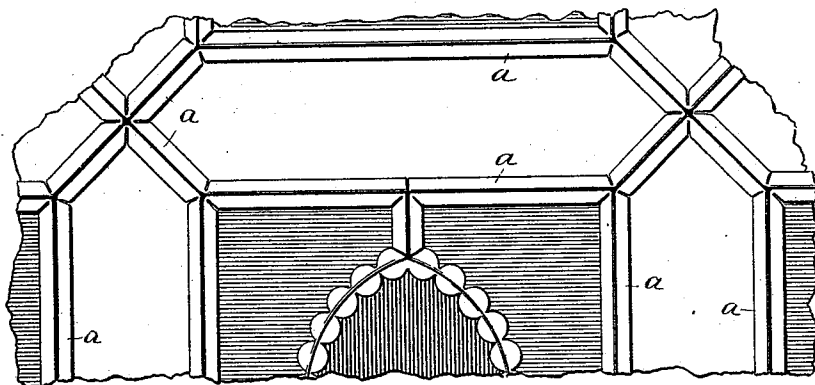
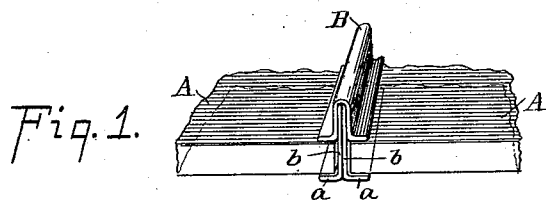


(No Model.)

H. A. LEWIE.
FRAMING FOR STAINED GLASS WINDOWS.

No. 515,002.

Patented Feb. 20, 1894.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HENRY A. LEWIE, OF NEW YORK, N. Y.

FRAMING FOR STAINED-GLASS WINDOWS.

SPECIFICATION forming part of Letters Patent No. 515,002, dated February 20, 1894.

Application filed May 23, 1893. Serial No. 475,204. (No model.)

To all whom it may concern:

Be it known that I, HENRY A. LEWIE, residing in the city, county, and State of New York, have invented an Improvement in Framing for Stained-Glass Windows and the Like, of which the following is a specification, reference being had to the accompanying drawings, forming part hereof, in which—

Figure 1 is a perspective view showing my improved construction of framing; Fig. 2 a top or face view of the same; Fig. 3 a face view of the framing, part only of which has been capped.

This invention relates to a new construction of framework for stained glass windows and analogous structures, its object being to substitute for the ordinary grooved lead strips employed in connection with stained glass, a series of strips that can be conveniently put together and taken apart and that can be united by hard solder wherever desired, and that shall be ornamental in addition to being more durable and economical than devices for the same purpose heretofore introduced.

My invention mainly consists in constructing such framing of two separated flanged base-pieces in combination with an upper doubly flanged cap, as hereinafter more fully described.

With reference to Fig. 1, the letters A A indicate two pieces of glass, which are shown supported by my framing. Each of these pieces of glass rests upon a flange *a* and abuts against an upright rib *b*. The upright rib *b* extends from the lower flange *a* upward between the two glasses and quite a distance above the latter. It will be seen from Fig. 1 that there are two upright ribs *b b* between two pieces of glass, each of said upright ribs having an outwardly extending flange *a* which constitutes the support for the glass. The two ribs *b b*, which are contiguous when in position, are separate pieces of metal, preferably brass, and are wholly disconnected from one another prior to the application of the locking cap B. The locking cap B is doubly flanged, and has a U-shaped center,

its arrangement being such that the U-shaped center portion straddles the upper ends of the ribs *b b*, while its flanges lie on top of the pieces of glass.

The diagram Fig. 3 indicates very clearly the advantageous manner in which my invention can be employed. Thus, the upper rib *a* shown in that figure is bent at the first angle it meets into a different direction, and at the second angle it meets into another direction, and so with reference to all these upright ribs shown, they can be bent at the angles away from one another; or, in other words, the same upright rib with its flange which is the companion of another of its kind for a certain length of the structure, becomes readily the companion of another flanged rib, so as to produce not only the desired deflections, curves and the like, but mainly to obtain strong joints at the corners or angles. The flanges *a* of these upright ribs and also the flanges of the cap B may be scalloped out, as shown in Figs. 2 and 3, to facilitate bending and also to add to the decorative effect of the framing. After the cap B is applied over two ribs that support two pieces of glass, it is fastened by dents that are formed by pressing its walls against the intervening ribs, and is thus securely held; yet for purposes of repair it can be removed without great inconvenience and easily replaced.

The framework for a stained glass window can, according to my invention, be entirely built up by shaping the flanged ribs *b a* according to the desired design, joining them wherever required by means of hard solder and then shipping or transporting the entire design to the place where it is to be put up or further handled, whereupon the pieces of glass can be put into their places without the slightest trouble, and the caps B applied to fasten all the parts properly together.

What I claim is—

1. The combination of the two disconnected upright ribs *b b*, each having outwardly extending flange *a*, with the doubly flanged cap B, placed on and uniting said ribs, whereby the various sections of the finished frame are

connected one to the other, substantially as and for the purpose herein shown and described.

2. The disconnected upright ribs *b* having
5 outwardly extending scalloped flanges combined with the upper cap B having double flange, each scalloped, said cap B being placed on and uniting said ribs, whereby they can be

bent at angles to each other and a connection formed between the various sections in the finished frame, substantially as and for the purpose specified.

HENRY A. LEWIE.

Witnesses:

JAS. L. SUYDAM,
CHAS. E. SMITH.