

W. S. TAPPAN.

Suspension Hooks for Eye-Glasses.

No. 137,735.

Patented April 8, 1873.

FIG. 1.

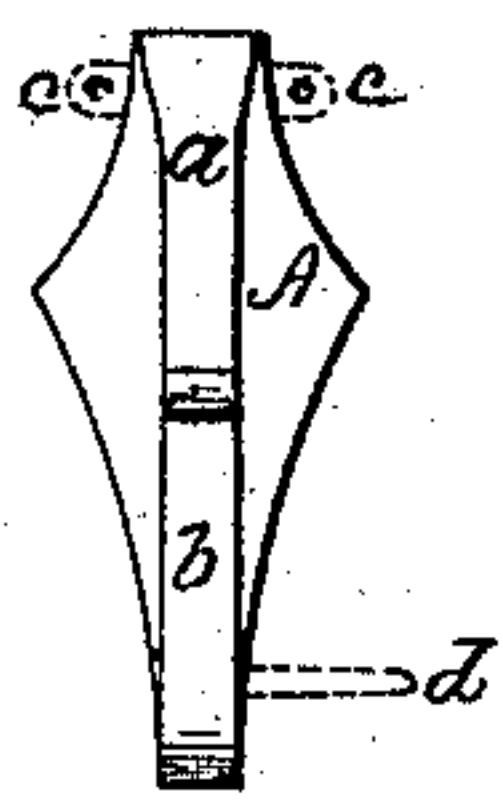


FIG. 2.



FIG. 3.

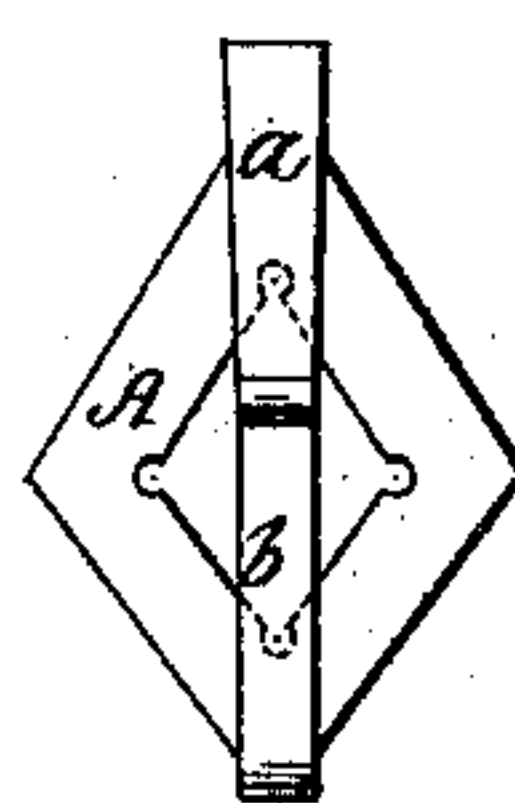


FIG. 4.

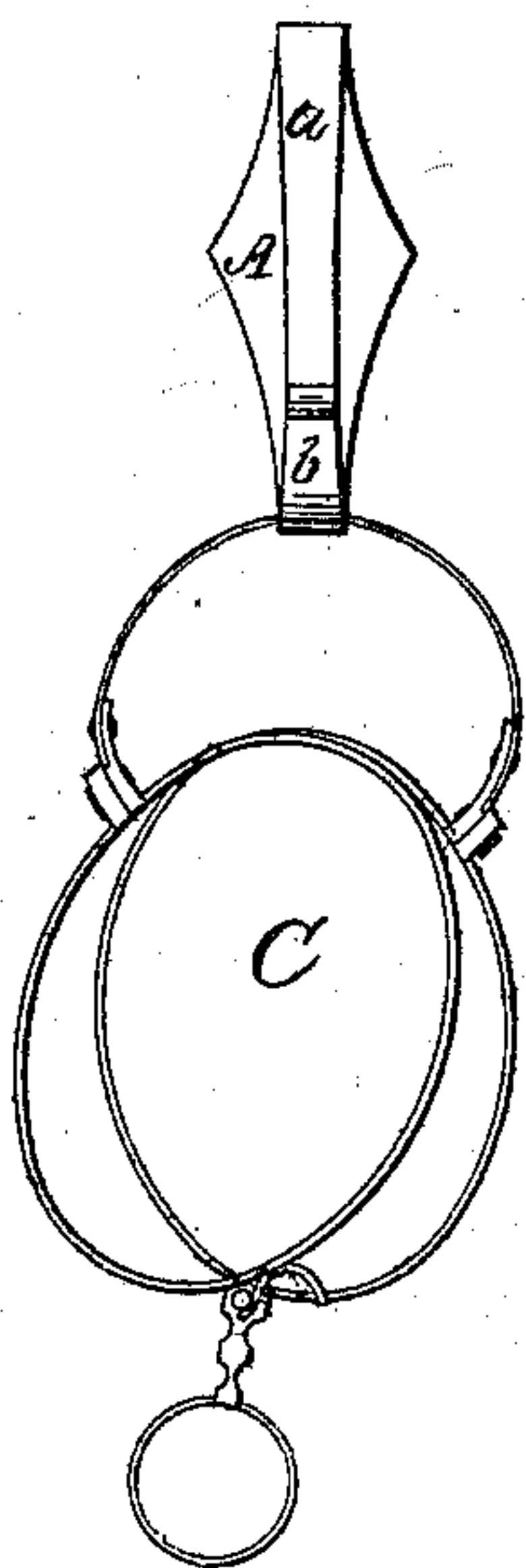


FIG. 5.



WITNESSES.

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UNITED STATES PATENT OFFICE.

WILLIAM S. TAPPAN, OF WASHINGTON, DISTRICT OF COLUMBIA.

IMPROVEMENT IN SUSPENSION-HOOKS FOR EYE-GLASSES.

Specification forming part of Letters Patent No. **137,735**, dated April 8, 1873; application filed March 14, 1873.

To all whom it may concern:

Be it known that I, WM. S. TAPPAN, of Washington City, in the county of Washington and District of Columbia, have invented certain new and useful Improvements in Suspension-Hooks for Eye-Glasses, &c.; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing making a part of this specification.

My invention relates to what are known as hooks for suspending or holding eye-glasses, such hooks being pinned to the lapel of the coat or vest. It has for its object to prevent the accidental unloosing or unhooking of the glasses; and consists in so forming the hook that two positive motions are required to secure or loosen the glasses, as will be hereinafter fully set forth.

To enable those skilled to more fully understand my invention, I will proceed to describe the same, referring by letters to the accompanying drawing, in which—

Figure 1 is a front view, and Fig. 2 a side or profile view. Figure 3 is a plan view of a modification of the back; Fig. 4, a similar view to Fig. 1, and having a pair of eye-glasses attached; while Fig. 5 is another profile view, showing a modification in the manner of securing the pin.

Similar letters denote like parts in the different figures.

A represents the back of the sheet-metal, which is cut broad enough to form a bearing against the lapel of the coat and keep it from twisting around. The two ends *a b* are "up-set," forming the two hooks, one overlapping the other, as shown most clearly in Figs. 2 and 5, the upper one, *a*, overlapping the lower one, *b*. To the posterior side of the back A is secured the pin D and its hook, either by solder or by forming the bearings for the point and hinge by stamping out ears *c c* and a tongue, *d*, when the sheet metal or stock is cut out. These ears and tongue may then be so bent as to serve the purpose for which they are intended. The pin may be constructed of a

continuous wire, *e*, as shown at Fig. 5, the portion designed to come in contact with and be soldered to the back of the sheet-metal hook being slightly flattened.

It will be seen that the lower hook *b* rests or springs against the back A, and the upper hook *a* overlaps and rests or springs against the front of hook *b*, so that, in order to fasten the glasses to the hook it is necessary to force them up between the contiguous surfaces of the two hooks *a* and *b* and then draw them down between the hook *b* and the back A; and the reverse movements are necessary to unfasten or loosen the glasses.

In order to make the spring of the upper hook more positive, I slightly crimp or pinch the metal, as seen at *f*, in Fig. 2. In order to get a broader back with no increase in weight, the metal is struck out, as seen in Fig. 3, and various modifications, not necessary to enumerate or describe, may be adopted without departing from the spirit of my invention, the gist of which consists in forming the overlapping hooks so that two positive movements in opposite directions are required to couple or uncouple the glasses.

It will be observed that in the manufacture of my improved hook the whole device, with the exception of the pin, or the pin and its hinge and clasp, may be struck up economically of a single piece of metal, and that it may be stamped at the same time with any design or chasing to ornament and beautify the same.

What I claim as new, and desire to secure by Letters Patent, is—

A suspension-hook formed of a single piece, either end forming hooks which overlap each other, substantially as and for the purposes set forth.

In testimony whereof I have hereunto set my hand and seal this 14th day of March, 1873.

W. S. TAPPAN. [L. S.]

In presence of—

R. W. HUSTON,
ARTHUR L. MCINTIRE.