(Model.)

A. L. SCUDDER.

JEWELER'S CLAMP.

No. 456,164. Patented July 21, 1891.

Fig. 1.

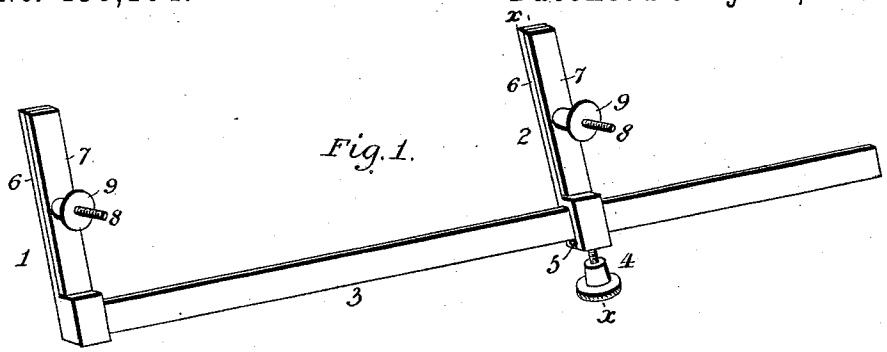


Fig. 2.

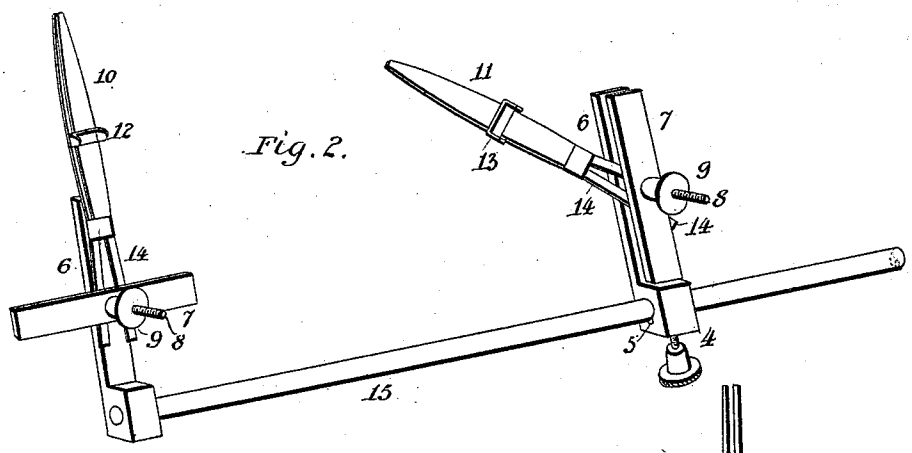


Fig. 3.

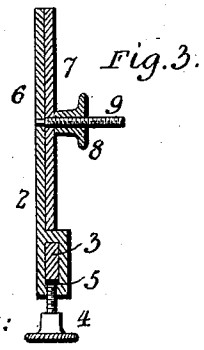


Fig. 5.

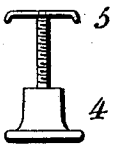
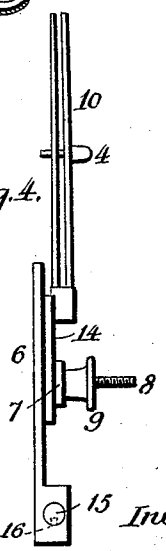


Fig. 4.



Witnesses:

Will. T. Norton

W. C. Brundage

Inventor:

Abram L. Scudder

by James Parker

Attorney.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ABRAM L. SCUDDER, OF DEPOSIT, NEW YORK.

JEWELER'S CLAMP.

SPECIFICATION forming part of Letters Patent No. 456,164, dated July 21, 1891.

Application filed October 15, 1890. Serial No. 368,182. (Model.)

To all whom it may concern:

Be it known that I, ABRAM L. SCUDDER, a citizen of the United States, residing at Deposit, in the county of Broome and State of New York, have invented certain new and useful Improvements in Jewelers' Clamps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention has for its object a device for holding broken spectacle and eyeglass frames while being mended, and is in the nature of a pair of clamps peculiarly constructed for rigidly holding the article being repaired, as well as adapted to be placed in an ordinary jeweler's vise.

The invention consists in the special construction and arrangement of parts, substantially as hereinafter described, and pointed out in the claims.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and the manner in which it is used, first referring to the accompanying drawings, in which—

Figure 1 is a perspective view illustrating the manner in which the device is used. Fig. 2 is a perspective view of the device with spring-clamps in place; Fig. 3, a section in the line *x x*, Fig. 1. Fig. 4 is an end view of the device shown in Fig. 2, and Fig. 5 is an enlarged detail of the binding-nut and screw.

In carrying out my invention I employ two clamps 1 and 2, mounted on a base rod or bar 3, one end of which is designed to be placed in an ordinary jeweler's vise for holding the device while the article held by the clamp is being operated upon. The clamp 1 is made rigid with the free end of the base-bar, and the clamp 2 is arranged to slide thereon, but held against movement after being set by a thumb-screw 4, having at its inner end a shoe 5, as shown in Fig. 1 of the drawings.

The clamps 1 and 2 are respectively formed of two members—namely, a rigid jaw 6 and a detachable jaw 7—the detachable member 7 being provided about midway with a hole to receive the threaded arm 8 of the jaw 6 and the two members or jaws of the clamps held by a binding-nut 9. With this construction it will be seen that a spectacle-frame placed between the jaws of the clamps, as shown in Fig. 1 of the drawings, and the device held in a jeweler's or other vise may be mended with greater facility by reason of the free use of both hands.

In connection with the clamps 1 and 2 and for holding small parts of the spectacle-frame as well as pieces of jewelry, &c., I employ two spring-clamps 10 and 11, provided with adjusting-screws 12 and 13. These spring-clamps are placed in the clamps with the arm 8 in the bifurcated end 14 of the spring-jaws and securely held by the nut 9 of the clamps, as shown, and thus adapting the said spring-jaws to be adjusted as required by the article to be mended.

As a modification of the base-bar 3, (shown in Fig. 1 of the drawings,) I may employ a round rod 15. (Shown in Fig. 2 of the drawings.) In this case the movable clamp 2 is prevented from turning by the shoe 5 of the jam-screw being arranged in a groove 16 on the under side of the base or bar connecting the two clamps.

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

1. In a jeweler's clamp, the combination, with the base-bar 3, made in a single piece, of the clamp 1, rigidly secured on one end thereof, and of the clamp 2, adapted to be slid on the bar and be secured at any desired position along the length thereof by means of a binding-screw, as described, these clamps being each formed of a fixed jaw and a detachable jaw held together by a nut and threaded arm in such a manner as to permit of the adjustment of the jaws to and from each other and to permit of the turning of the detachable jaw, as and for the purpose set forth.

2. In a jeweler's clamp, the combination, with a base-bar having thereon a fixed clamp and a movable clamp, each of which is constituted of a rigid jaw and a fixed jaw held together by a nut and threaded arm, of two spring-clamps, each of which is provided with a lower bifurcated end and adapted to be held between the jaws of the aforesaid clamps, as described.

In testimony whereof I affix my signature in presence of two witnesses.

ABRAM L. SCUDDER.

Witnesses:
A. MULFORD,
A. H. STALL.