L. A. PICHON.

Scissors, Forceps, &c.

No. 200,754. Patented Feb. 26, 1878.

Fig. 3.

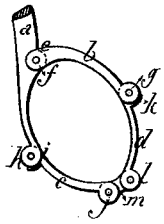


Fig. 4.

Fig. 1.

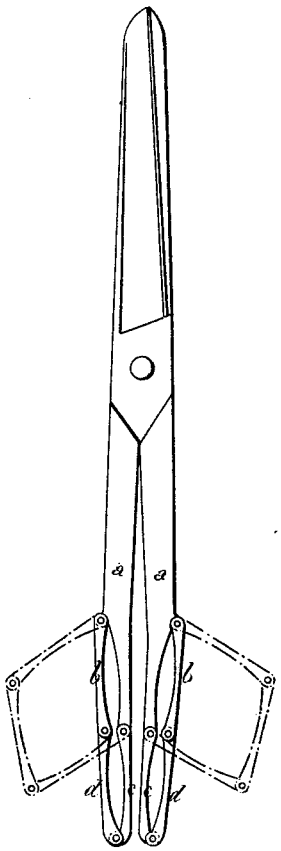
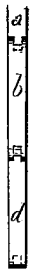


Fig. 2.



Witnesses.

D. H. Shumway.

H. A. Litton.

L. A. Pichon Inventor

By Atty

Wm. E. Earl

UNITED STATES PATENT OFFICE.

LOUIS A. PICHON, OF PARIS, FRANCE.

IMPROVEMENT IN SCISSORS, FORCEPS, &c.

Specification forming part of Letters Patent No. **200,754**, dated February 26, 1878; application filed December 19, 1877.

To all whom it may concern:

Be it known that I, LOUIS AUGUSTE PICHON, of Paris, France, have invented an Improvement in Scissors, Forceps, &c., with jointed rings or loops, of which the following is a specification:

My invention has for its object an improved construction of scissors, forceps, and the like instruments.

The rigid rings or loops of ordinary scissors, and of surgical scissors and forceps, often offer certain inconvenience when they require to be fitted into sheaths, cases, &c. According to my present invention, I obviate this inconvenience by constructing the said loops with several joints, whereby the loops, when not in use, can be folded together in the same plane with the blade, so as to occupy no greater space in width than the other part or blades of the scissors, while, when opened out, they are as rigid and convenient for use as ordinary loops, all as hereinafter more fully described and claimed.

The accompanying drawings show my improved system of jointed loops.

Figure 1 shows a front view of a pair of scissors or surgical scissors or forceps, with the loops folded together. The dotted lines show the loops opened out. Fig. 2 shows a side view of the scissors with loops folded together.

In this arrangement the links *b c d* are jointed together, without exterior or interior projections. To each limb *a* are jointed the links *b* and *c*, hinge-jointed to the link *d*. These three links *b c d* form, together with the limb *a*, a loop, which can be opened out, (see dotted lines, Fig. 1,) so as to admit the fingers, or closed together, so as to occupy little room.

Figs. 3 and 4 show a slightly different form of the hinged or jointed loops, the links, being rounded as much as possible inside to avoid angles, which might render the handling thereof inconvenient. The joints of the several links are formed with tenon and mortise. The limb *a* has a mortise, *h*, at its end, fitting the tenon *i* of the link *c*, which has a mortise, *j*. Lastly, the link *d* has a tenon, *k*, and a mortise, *l*, and the links *c* and *d* are jointed together by a short link, *m*, fitting the mortises *j* and *l*.

It will be understood that the number, form, &c., of the links constituting the loops, as also the form of joints, may be varied; and that they may be made of metal, either the same or different from the scissors, or of any other suitable material.

I claim as my invention—

Scissors, forceps, and like instruments constructed with hinge-jointed loops, opening and folding in the same plane with the blades, substantially as described.

In testimony whereof I have signed my name to this specification before two subscribing witnesses.

L. A. PICHON.

Witnesses:

ROBT. M. HOOPER,

J. ARMENGAUD, Jeune.