

I. A. & R. W. FLACK.
Combined Scissors and Knives.

No. 154,750.

Patented Sept. 8, 1874.

Fig. I.

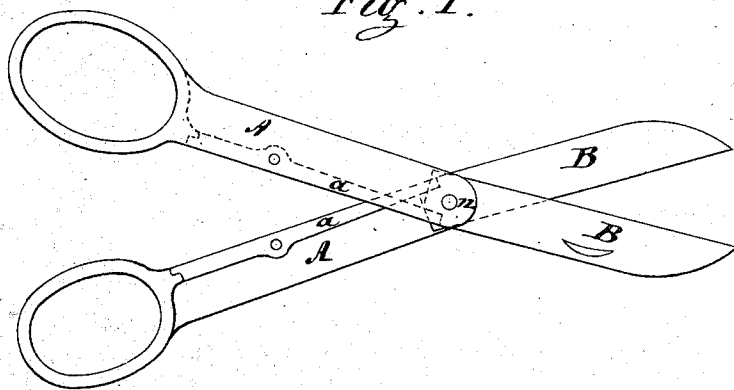


Fig. II.

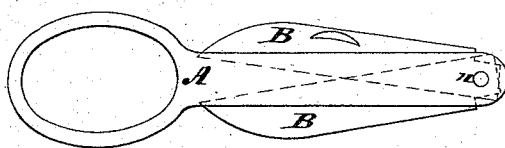
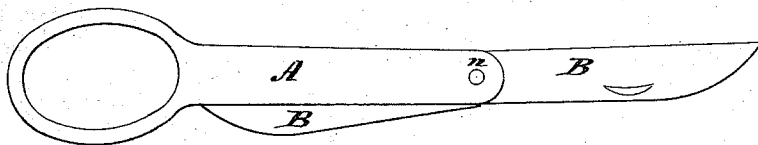


Fig. III.



Witnesses.
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Inventors.
Isidore A. & Robert W. Flack
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UNITED STATES PATENT OFFICE.

ISIDORE A. FLACK AND ROBERT W. FLACK, OF NEW YORK, N. Y.

IMPROVEMENT IN COMBINED SCISSORS AND KNIVES.

Specification forming part of Letters Patent No. **154,750**, dated September 8, 1874; application filed August 22, 1874.

To all whom it may concern:

Be it known that we, ISIDORE A. FLACK and ROBERT W. FLACK, both of New York, in the State of New York, have invented a new and useful Scissors-Knife, of which the following is a specification:

The nature of our invention consists in the combination of knife-blades with scissors handles or arms, in such a manner that said blades may be closed similar to pocket-knife blades, and opened either single, to be used as a knife, or opened both, and then used similar to scissors.

In the accompanying drawing, Figure I represents a scissors-knife opened, to be used as scissors. Fig. II shows the same closed up; and Fig. III represents the same with only one blade open, to be used as a knife.

A A are handles, constructed similar to scissors-handles, jointed together on the pin *n*, and provided with springs *a a* on their inner sides, similar to springs in the handles of pocket-knives. Upon the joint-pin *n* knife-

blades B B are hinged, acted upon by the springs *a a*, in the usual manner.

When this instrument is to be carried in the pocket, or otherwise, the blades B B are closed, similar as the blades of pocket-knives, as shown in Fig. II. When it is required as a knife only one of the blades, B, is opened, as shown in Fig. III, and when the same is to be used similar to scissors both blades B B are opened, as represented in Fig. I.

What we claim as our invention, and desire to secure by Letters Patent, is—

The scissors-handles A A, provided with knife-springs *a a*, in combination with knife-blades B B, hinged together upon a pin, *n*, the whole arranged and operating substantially in the manner set forth.

ISIDORE A. FLACK.
ROBERT W. FLACK.

Witnesses:

HENRY E. ROEDER,
E. SCHULER.