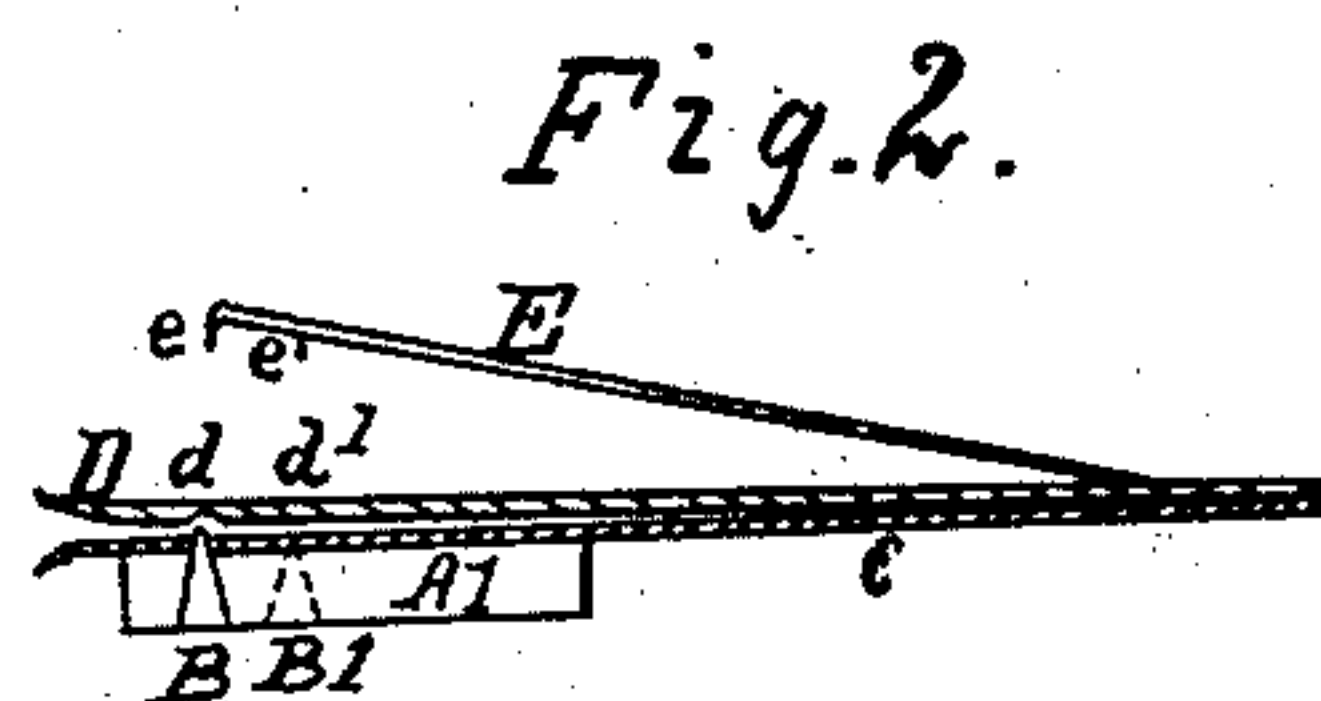
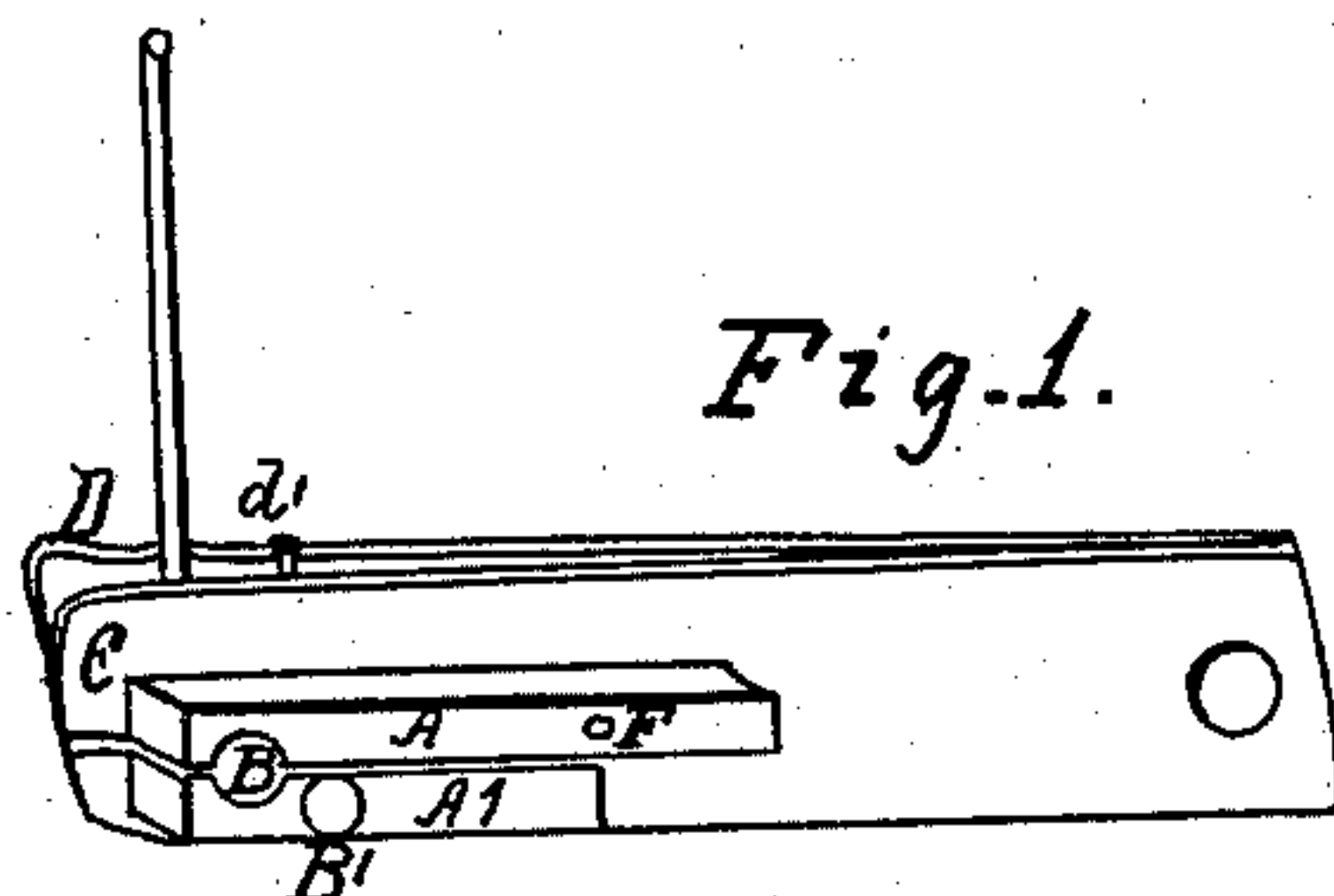


H. W. DOPP.

Needle Threader for Sewing Machines.

No. 88,699.

Patented April 6, 1869.



Witnesses

*Charles Frost*  
*John H. Miller*

Inventor

*H. W. Dopp.*



H. WILLIAM DOPP, OF BUFFALO, NEW YORK.

*Letters Patent No. 88,699, dated April 6, 1869.*

**IMPROVEMENT IN NEEDLE-THREADER FOR SEWING-MACHINES.**

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, H. WILLIAM DOPP, of the city of Buffalo, county of Erie, in the State of New York, have invented a new Device for Facilitating the Threading of Sewing-Machines, as well as Hand-Sewing Needles; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure 1 is a perspective view of the needle-threading apparatus.

Figure 2 is a cross-section of fig. 1.

A is a small metallic block, secured to C by means of a small pin or rivet, F, on which said block has its fulcrum.

It is provided with a half round conical notch, B, the purpose of which will be hereafter described.

A' is also a small metallic block, secured to C right beneath A.

It is provided with a conical hole, B', and a half round notch, B, corresponding with the notch A, so that, in conjunction with that of A, it will form a funnel-shaped hole.

When the blocks are placed together, the conical openings B B' guide the thread to and through the eye of the needle.

C is a steel plate, to which are secured A and A'; also, the needle-holder D.

Said plate is provided with a small slot, the same running from the end into the thread-passage B, having for its object to let out the thread that runs to the bobbin when the needle is threaded.

D is the needle-holder. It is provided with two grooves; one corresponding with B, the other with B'.

These grooves run at right angles with blocks A and A'. They are for the purpose of determining the position of the needle.

C and D are flexible.

E is a flexible strip of metal, secured, with one end, to D, and is provided on the other end with two feelers, or pointed projections, right opposite to and corresponding with B and B'.

These feelers have for their purpose to determine the position of the eye of the needle before the same is to be threaded.

In order to operate this needle-threading apparatus, the needle has to be slid into one of the grooves of needle-holder D, (in between C and D.) E is then slightly pressed against D, and the needle drawn partially through the groove until the feeler *e* will find the eye of the needle. Then let loose E, and pass the thread through B or B'.

B is for threading sewing-machine needles, and B' for hand-sewing needles.

*Claim.*

I claim the combination, with the blocks A A', or equivalent, having a conical opening, B, of the grooved holding-plate D and pointed plate E *e*, substantially as and for the purpose set forth.

H. WILLIAM DOPP.

Witnesses:

FRANCIS JUST,  
JOHN H. MILLER.