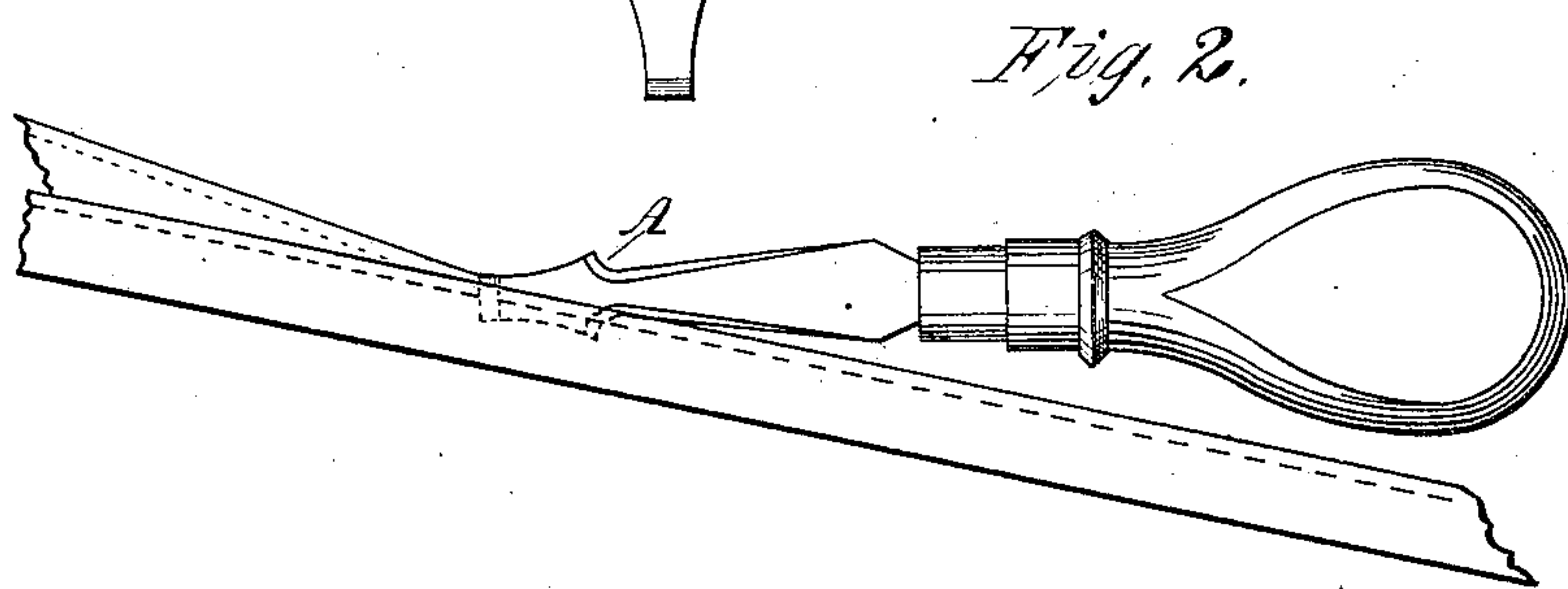
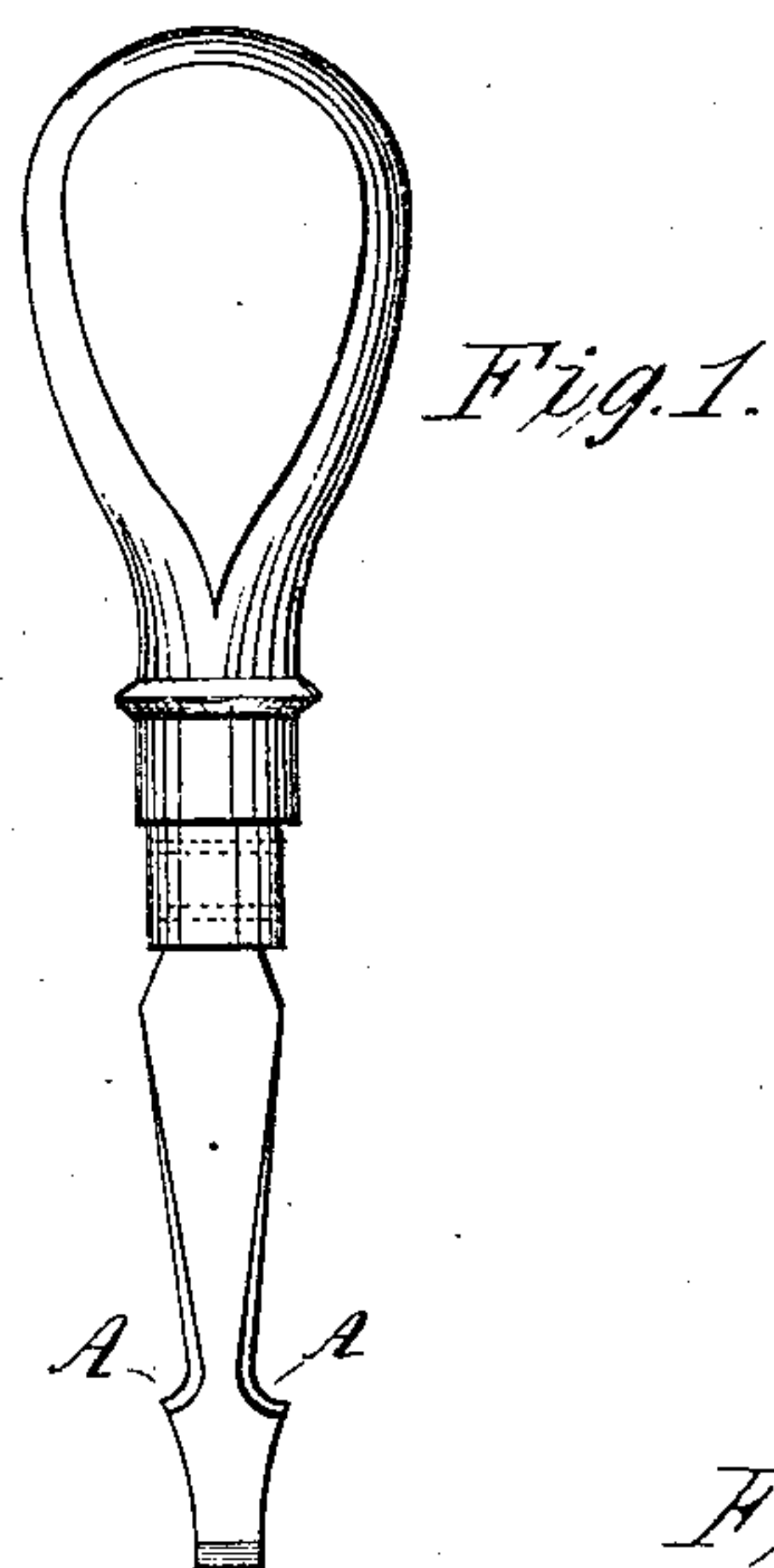


I. C. COWLES.
Screw-Driver.

No. 164,638.

Patented June 22, 1875.



Witnesses

Abraham Exton
Lewis S. Upham

Inventor

Irving C. Cowles.

UNITED STATES PATENT OFFICE.

IRVING C. COWLES, OF SYRACUSE, NEW YORK.

IMPROVEMENT IN SCREW-DRIVERS.

Specification forming part of Letters Patent No. **164,638**, dated June 22, 1875; application filed October 21, 1874.

To all whom it may concern:

Be it known that I, IRVING C. COWLES, of Syracuse, in the county of Onondaga and State of New York, have invented an Improvement in Screw-Drivers for Sewing-Machines, of which the following is a specification:

The nature of my invention consists in providing a screw-driver upon the lower part of each of its sides with cutting-edges for ripping seams, cutting threads, &c.

In the accompanying drawing, Figure 1 is a view of my improved screw-driver. Fig. 2 represents my screw-driver in the operation of ripping a seam.

The part of the driver for entering the nick of the screw is formed in the ordinary manner. A short distance to the rear of the end of the driver I form upon each side of the blade a

curved cutting-edge, A. The handle is of the ordinary style.

My improved instrument is made of a convenient size for operating upon small screws, while, at the same time, it can be used for ripping seams and cutting off thread.

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

The screw-driver herein described, consisting of a blade provided upon each of its sides with the cutting-edges A A, when constructed to operate as shown, and for the purpose set forth.

IRVING C. COWLES.

Witnesses:

U. C. PALMER,
ABRAHAM EXSTEIN.