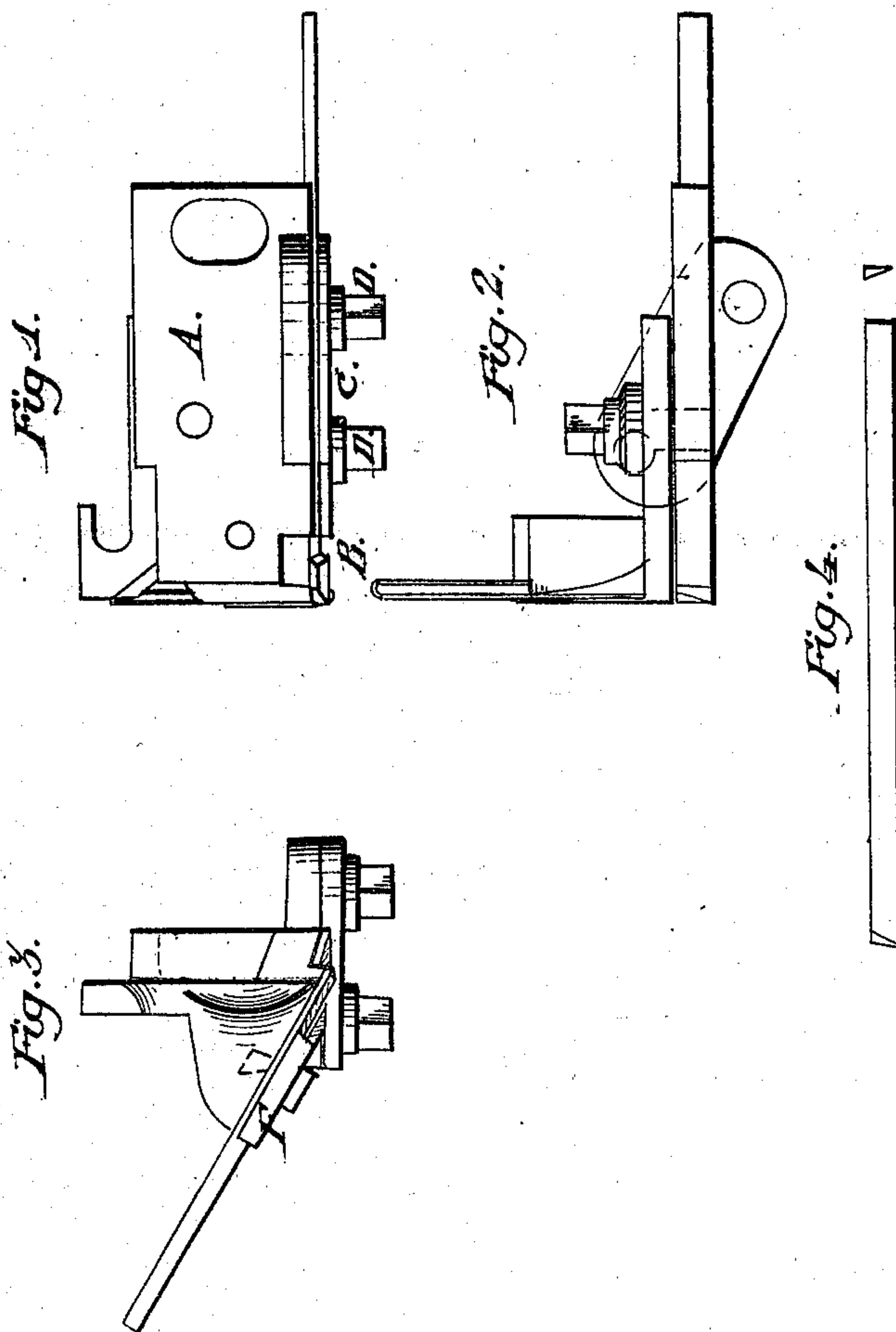


*G. W. Spencer.*

*Shoe Knife.*

*N<sup>o</sup> 87,440.*

*Patented Mar. 2, 1869.*



*Witnesses:*  
*Chas. Nida*  
*Amos Morgan*

*Inventor:*

*G. W. Spencer.*

*PER.*

*Wm. L. Co.*  
*attorneys*



GEORGE W. SPENCER, OF SOUTH GROVELAND, MASSACHUSETTS.

*Letters Patent No. 87,440, dated March 2, 1869.*

**IMPROVED SHOE-KNIFE**

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, GEORGE W. SPENCER, of South Groveland, in the county of Essex, and State of Massachusetts, have invented a new and useful Improvement in Shoe-Knife; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to improvements in shoe-knives, such as are employed on machines for channelling the soles of boots and shoes, and consists in certain improvements in the knife-holder, and the combination, with the knife, of a grooving-instrument, for forming a groove in the channel, for the thread, as will be hereinafter described.

Figure 1 represents a front elevation of my improvement;

Figure 2, a plan view;

Figure 3, an end elevation, partly broken: and

Figure 4, details of the knife.

Similar letters of reference indicate corresponding parts.

A represents the stock, which is provided with screw-holes, for securing it to the machine in any suitable manner, for presenting the work to it, having a groove at the bottom, into which the shank of the knife B is clamped by the plate C and set-screws D D, in a manner to permit it to be adjusted to any desired gauge.

Immediately behind the point of the knife, a gouge, or grooving-instrument, E, is carried, for forming a groove in the bottom of the channel cut by the knife.

The said gouge is also clamped to the stock by a clamping-plate, F, and set-screw, and may be adjusted to cut any preferred depth.

The portion of the clamp adjacent to the point of the gouge is tapered down, and adjusted to the proper size to run along and press upon the portion of leather turned up by the knife in cutting the channel, so as to prevent it from falling back, to cover the channel, before the sewing has been accomplished, and the stock is fitted into the groove of the gouge, to discharge the cuttings.

Having thus described my invention,

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

1. The stock A, constructed as described, and adapted for holding the knife and gouge, and securing them to the machine, substantially as and for the purpose specified.

2. The combination, with the knife B, of the gouge E, substantially as and for the purpose specified.

GEO. W. SPENCER.

Witnesses:

CHARLES F. STILES,  
RUSTIS P. PARKER.