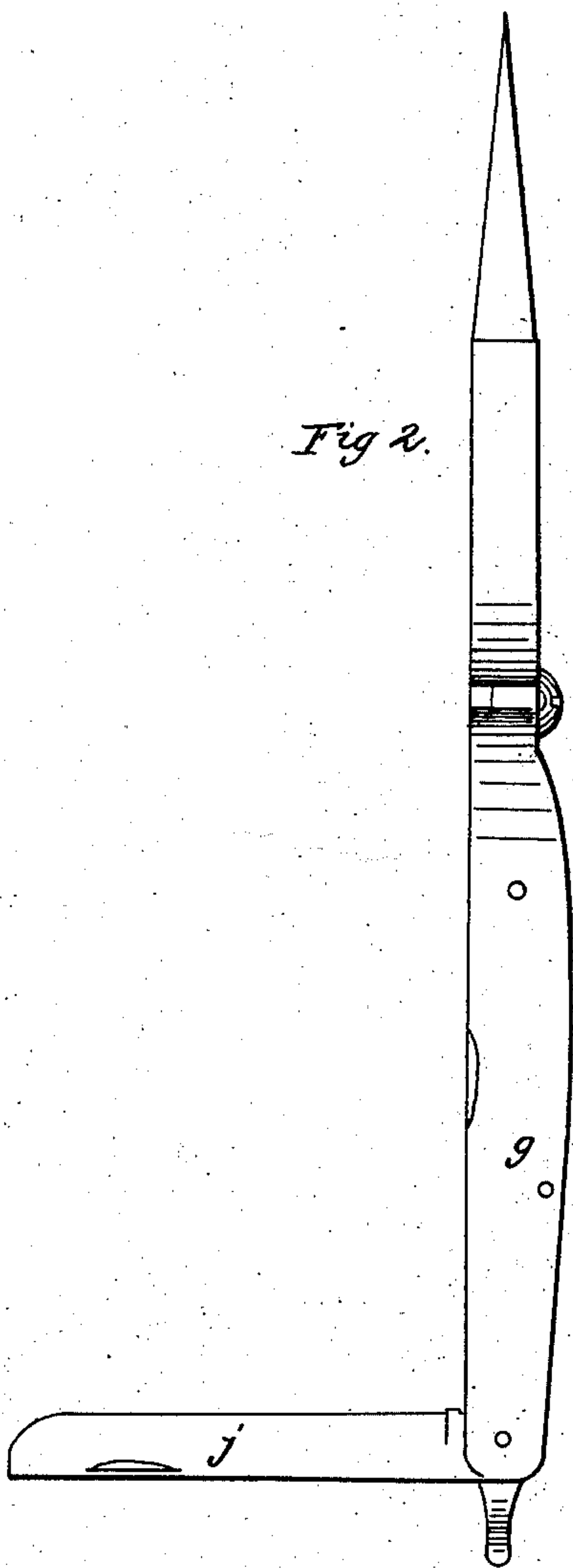
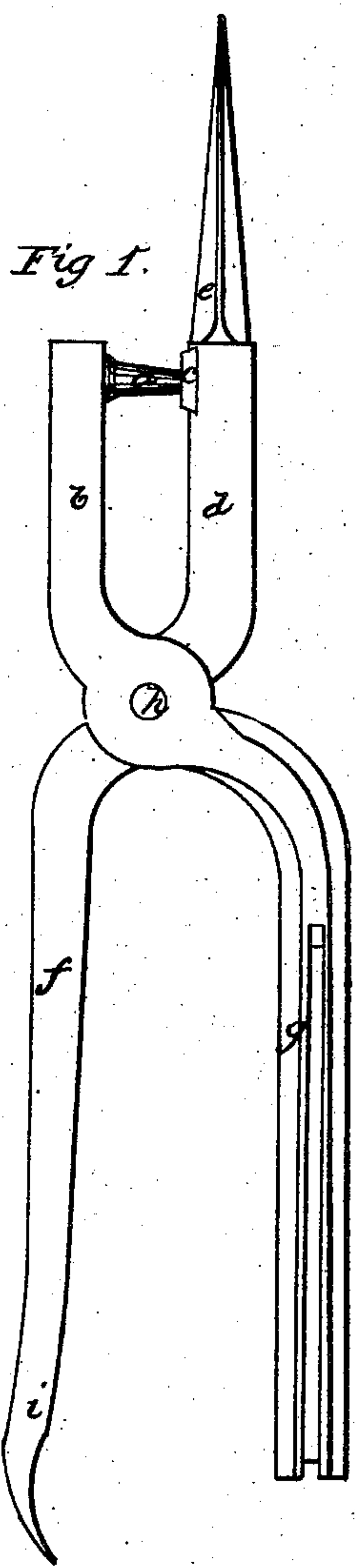


E. F. Wilder,

Belt Punch,

N^o 78,248.

Patented May 26, 1868.



Witnesses;
Geo. E. Perry.
Abner Perry

Inventor;
E. F. Wilder.

United States Patent Office.

ELI F. WILDER, OF LOWELL, MASSACHUSETTS.

Letters Patent No. 78,248, dated May 26, 1868.

IMPROVED IMPLEMENT.

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, ELI F. WILDER, of Lowell, in the county of Middlesex, and State of Massachusetts, have invented a new and useful Improved Combination-Punch; 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.

The nature of my invention consist in providing a combination-punch, the object of which is to combine and include in one instrument the several tools necessary to make or repair a belt, namely, a belt-punch, awl, lacing-stripper, knife, and square.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

Figure 1 represents a plan of my improved combination-punch.

Figure 2 represents a side elevation of the same.

a represents the punch, which is secured to the arm or jaw *b*, in the ordinary way. *d*, the arm or jaw, to which the seat *c* and awl *e* are secured in their proper and respective positions. *f* and *g*, the handles, which are a continuation of the jaws *b* and *d*, crossing each other at the pin *h*, forming a joint. At the extremity of the handle *f* is formed, in the required shape, a lacing-stripper, *i*. At the extremity of the handle *g* a knife-blade, *j*, is secured in the usual way, and held in three different positions by the usual spring; the first position, when the blade *j* is shut up or closed in the recess formed in the handle *g*, which serves as a case; the second position, when the blade *j* is at right angle with the handle *g*; and the third position is when the blade is open for cutting use.

Its Operation.

The mechanic having this instrument, combining these several tools, is enabled to mark his belt, to cut by his square, which he finds readily and accurately in the second position of the knife-blade *j*, as seen in fig. 2. The inside edge of the handle *g* and the back of the knife-blade *j* being straight, and so finished and formed at the joint as to make a perfect square, he then opens his blade *j* to the third position and cuts his belt, following the marks indicated by the aid of the square; he then shuts the blade *j* to the first position; the punch *a* and awl *e* are then ready to be used as required. And when necessity requires the old lacing to be removed or taken out to insert new, he finds a new and useful tool made and adapted expressly for this purpose in the tool *i*.

The advantages which will be readily seen in combining these several necessary and indispensable tools in one instrument are, economy in their cost, efficiency, convenience, and safety to the user.

I do not claim the punch, awl, and knife separately, as they have long been in use; but

What I do claim, and desire to secure by Letters Patent, is—

The belt-punch, when constructed and arranged to operate as and for the purpose set forth.

ELI F. WILDER.

Witnesses:

GEO. E. PEVEY,

ABIEL PEVEY.