

S. Keen,
Heel Machine,
No. 108601. *Patented Oct. 25. 1870.*

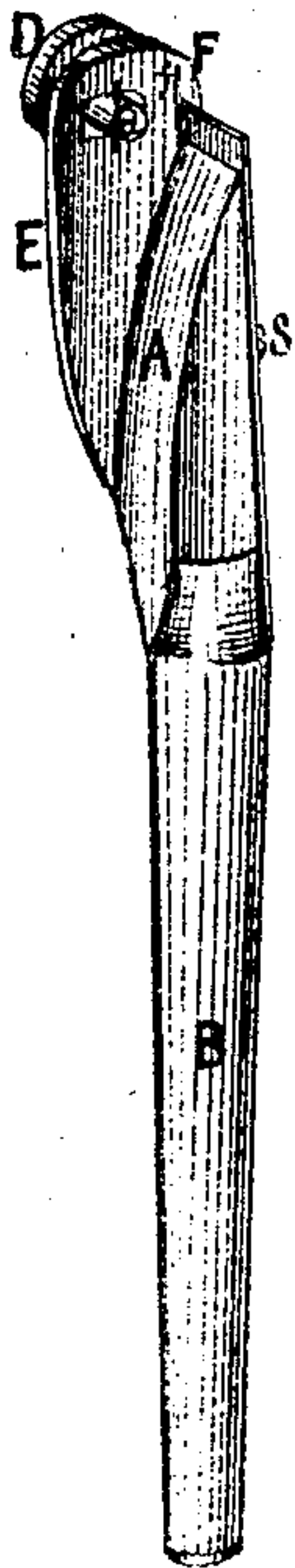


Fig. 1

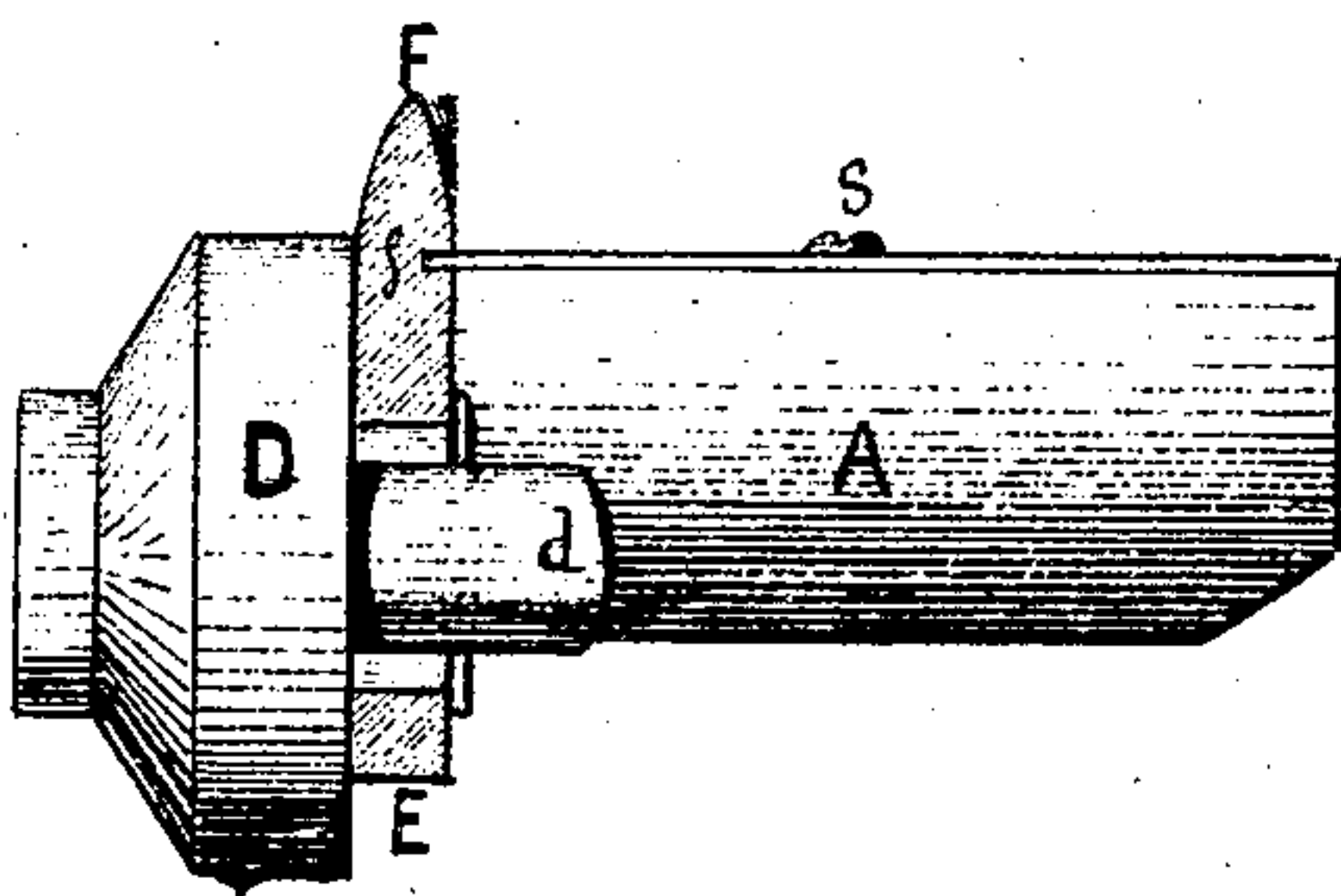


Fig. 2

Witnesses { *Frank W. Parker*
J. C. Grant

Inventor
Samuel Keen

United States Patent Office.

SAMUEL KEEN, OF EAST BRIDGEWATER, MASSACHUSETTS.

Letters Patent No. 108,601, dated October 25, 1870; antedated October 15, 1870.

IMPROVEMENT IN KNIFE-HOLDERS AND GUIDERS FOR HEEL-CUTTING MACHINES.

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

To all whom it may concern:

I, SAMUEL KEEN, of East Bridgewater, in the county of Plymouth and State of Massachusetts, have invented a certain new and useful Device for Holding and Guiding a Knife of a Heel-cutting Machine, of which the following is a specification.

Nature of the Invention.

The nature consists—

First, in attaching the knife to the stock.

Second, in so forming the stock that it will serve as a gauge to run in the rand of the shoe, and also as a shield to prevent the shavings from covering the rand, and thus to prevent the operator from seeing clearly the position of the knife.

Third, in combining with the above a counter guide.

Description of the Accompanying Drawing.

Figure 1 is a perspective view of my invention.

Figure 2 is a cross-section, enlarged.

General Description.

My present invention is especially adapted to the machine invented by me for making heels, and patented October 26, 1869, numbered 96,120, and is constructed as follows:

A B represents the stock or handle.

C represents the knife, which may be made of plate steel, and is made fast to the stock A by means of the slot *f*, into which it slips, and the machine-screw S.

E F is a flange, forming a part of the stock A, and serves a double purpose, namely, the part F serves as a gauge to run in the rand and to guide the knife, while the part E serves as a shield to prevent the shavings from covering the rand, and thus allows the operator to see the position of the knife.

D is an adjustable wheel, attached to the part E by the spindle *d*, as shown, and serves as a guide to run on the counter, and to prevent the knife from cutting too deep.

I claim as my invention—

1. The combination of the knife C and the double flange E F, substantially as described and for the purpose set forth.

2. The combination and arrangement of the knife C, the double flange E F, and the guide D, substantially as described and for the purpose set forth.

SAMUEL KEEN.

Witnesses:

FRANK G. PARKER,
JAS. S. CONANT.