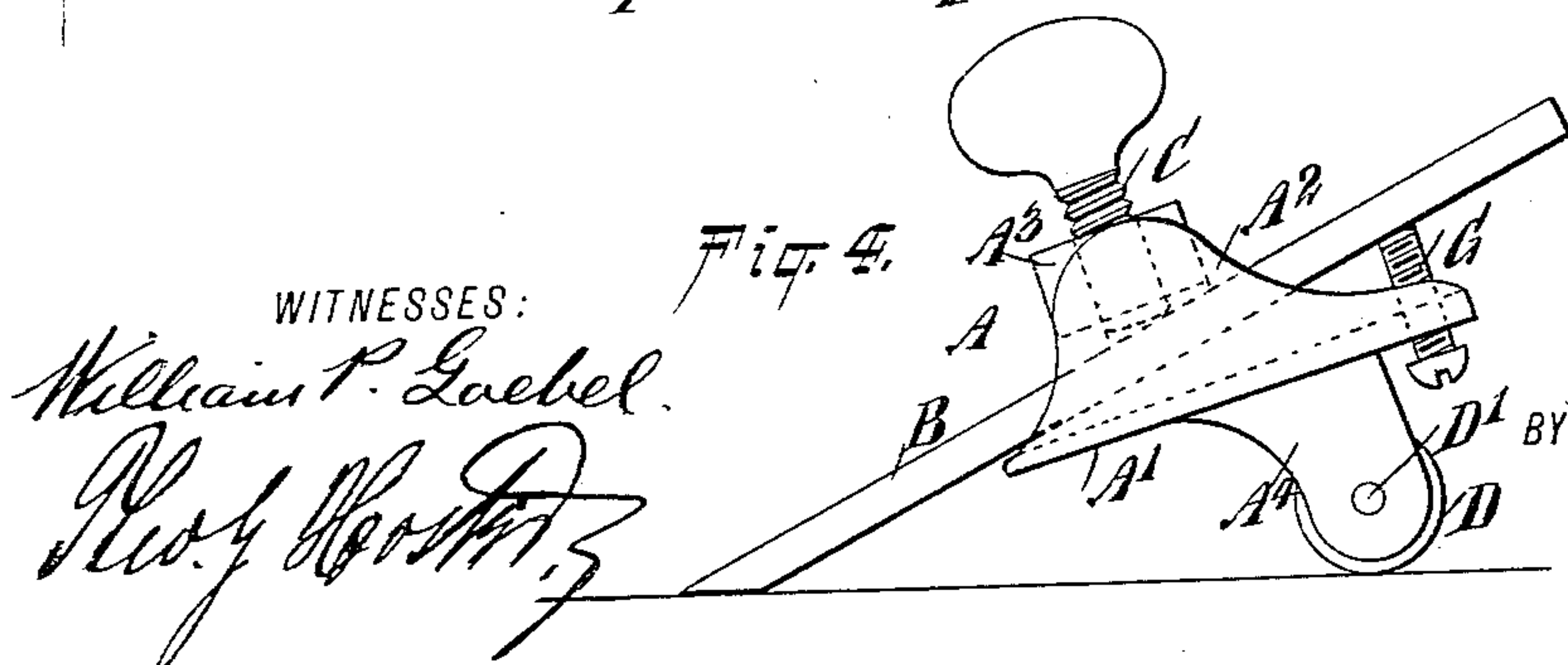
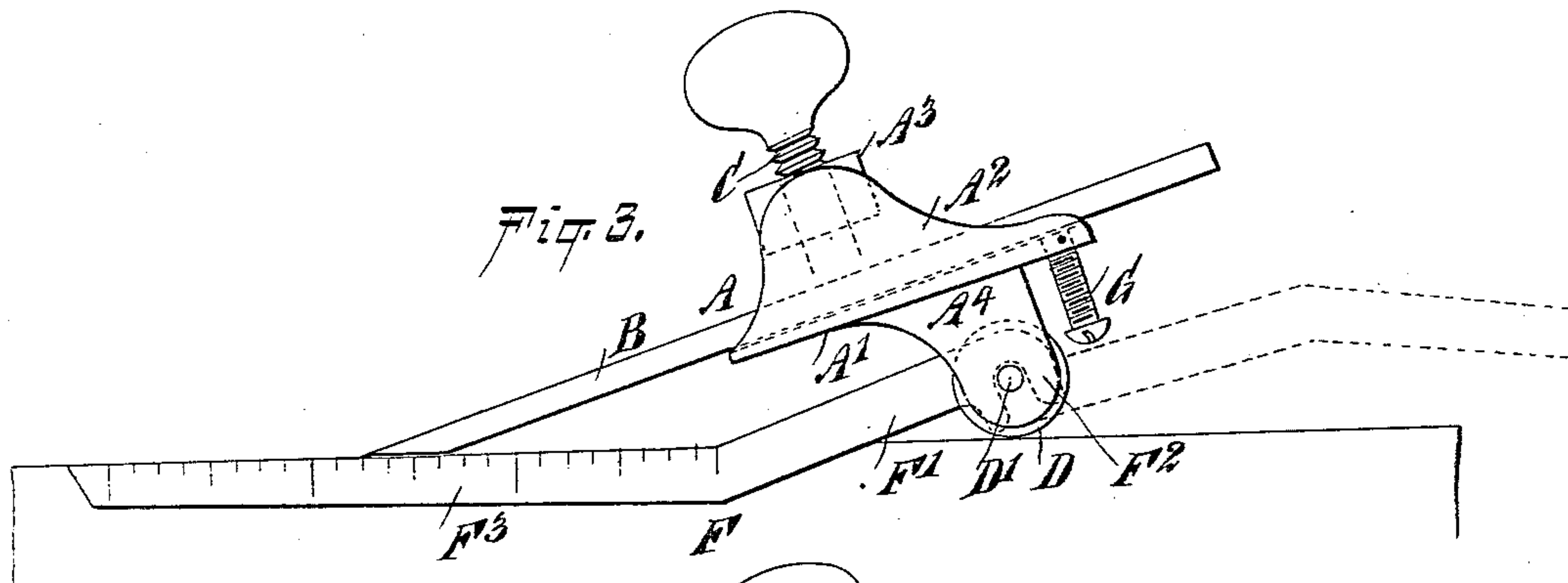
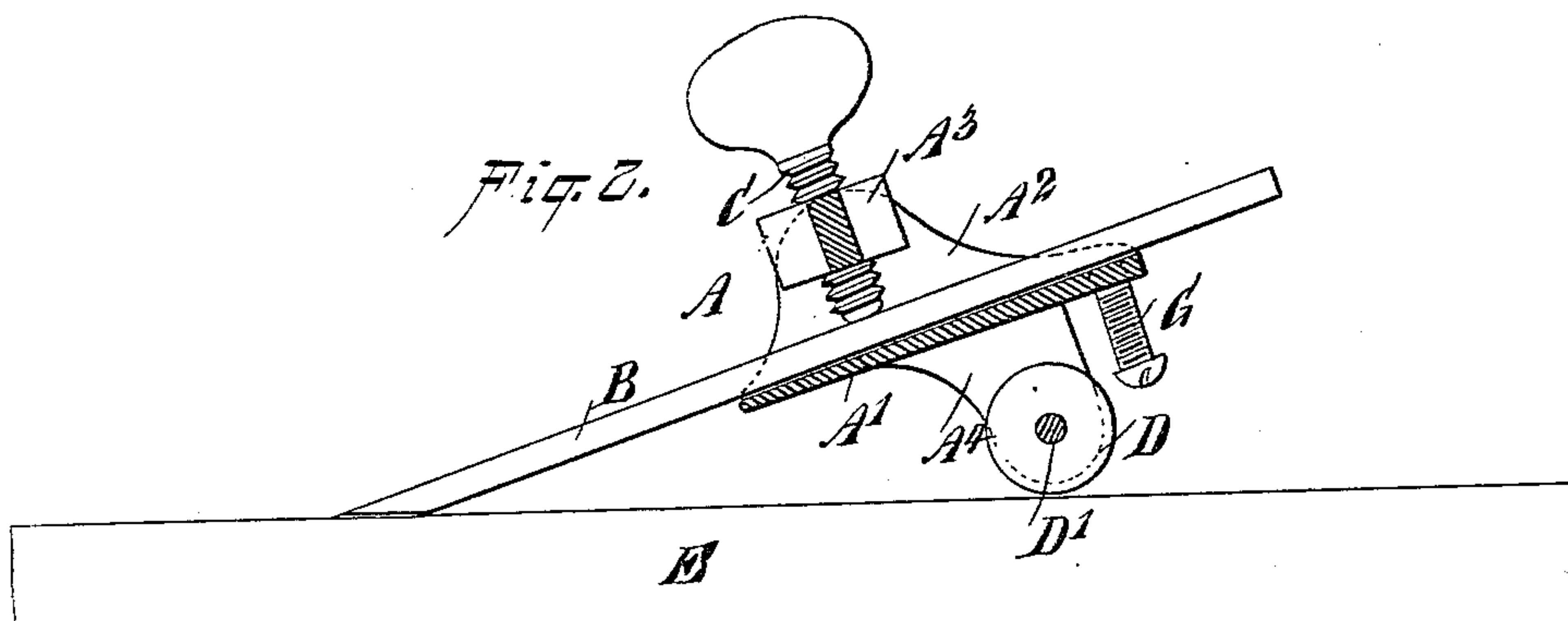
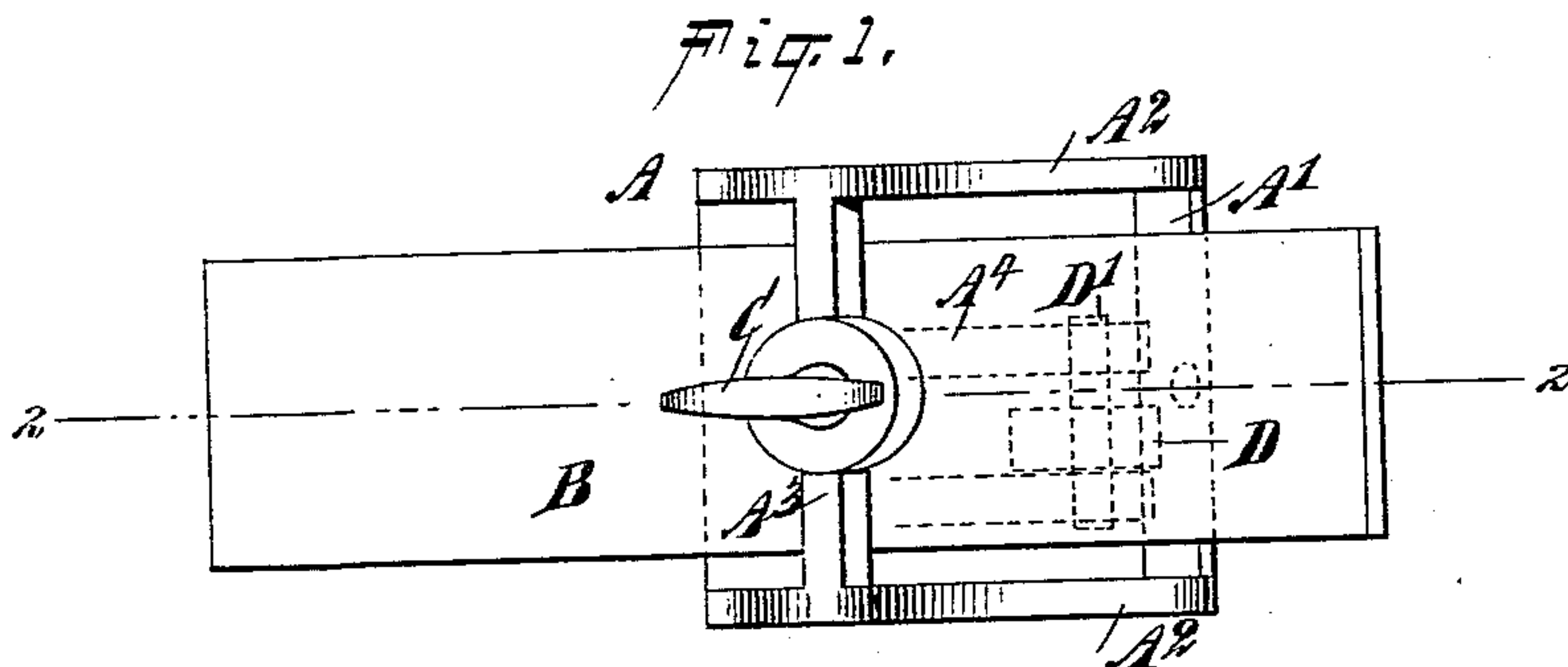


(No Model.)

G. SALOT.
TOOL HOLDER.

No. 560,111.

Patented May 12, 1896.



WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE SALOT, OF DUBUQUE, IOWA.

TOOL-HOLDER.

SPECIFICATION forming part of Letters Patent No. 560,111, dated May 12, 1896.

Application filed December 14, 1895. Serial No. 572,203. (No model.)

To all whom it may concern:

Be it known that I, GEORGE SALOT, of Dubuque, in the county of Dubuque and State of Iowa, have invented a new and Improved Tool-Holder, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved tool-holder designed for holding chisels, plane-bits, and other tools in proper position while sharpening the same on a grindstone or other tool-sharpener, so as to form the desired bevel or angle for the cutting edge.

The invention consists principally of a wheeled casing adapted to receive the tool to be sharpened.

The invention also consists of certain parts and details and combinations of the same, as will be fully described hereinafter, and then pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of the improvement. Fig. 2 is a sectional side elevation of the same on the line 2 2 of Fig. 1. Fig. 3 is a side elevation of the same with the gage in place, and Fig. 4 is a side elevation of the improvement as arranged for short bevels.

The improved tool-holder is provided with a casing A, having a bottom A', on which is adapted to be placed a chisel, plane-bit, or other tool B to be sharpened. The casing A is also provided with sides A², connected with each other by a cross-bar A³, in which turns a thumb-screw C, adapted to engage the top surface of the tool B and securely hold the latter in place in the casing.

On the under side of the bottom A' of the casing A are arranged lugs A⁴, in which are journaled the ends of the shaft D' of a wheel D, adapted to travel on a grindstone E or other sharpener used for putting a cutting edge on the tool B. Now it will be seen that by adjusting the tool B in the casing A and then securing the tool B in place by tightening up the thumb-screw C, then the tool-holder with the tool is applied on the grindstone E, as indicated in Fig. 2, whereby a bevel is formed on the cutting edge of the tool corresponding to the distance between the cutting edge and the wheel D. Thus a

shorter or longer bevel can be given to the cutting edge of the tool by adjusting the latter correspondingly in the casing A.

In order to predetermine the degree of the bevel intended to be formed on the tool, I prefer to employ a gage F, (shown in Fig. 3,) said gage being provided with a rear arm F', formed with a fork F², adapted to be hooked onto the shaft D' for the wheel D. The forward arm F³ of the gage F is provided with a graduation, and by adjusting the tool B in the casing A, I am enabled to bring the cutting edge to any point on the graduation of the arm F³. When the desired angle for the bevel has thus been predetermined, the tool B is secured in the casing A by tightening up the thumb-screw C, and then the gage F is swung rearwardly into the position shown by dotted lines in Fig. 3 and removed, if desired. In case very short bevels are desired on the tool B, then I make use of a set-screw G, screwing in the rear end of the bottom A' of the casing, as indicated in Fig. 4. By this arrangement the tool B rests on the forward end of the bottom A' and on the set-screw G and is secured in place by the thumb-screw C. When it is desired to change the angle at which the tool is held in the casing, the screw G is merely turned so as to raise the rear end of the tool and lower the cutting end thereof, as indicated in Fig. 4.

It will be seen that this device is very simple and durable in construction and arranged to permit of easily, quickly, and accurately sharpening a tool to any desired bevel or angle at its cutting edge.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

A tool-holder comprising a casing adapted to receive the tool to be sharpened, means for securing the tool in place in the casing, a wheel journaled in depending lugs on said casing, and a gage for predetermining the bevel to be formed on the tool, the said gage being provided with a rear arm having a forked end adapted to be hooked on the shaft of said wheel, substantially as shown and described.

GEORGE SALOT.

Witnesses:

J. A. MCCANN,
HERMAN OEILY.