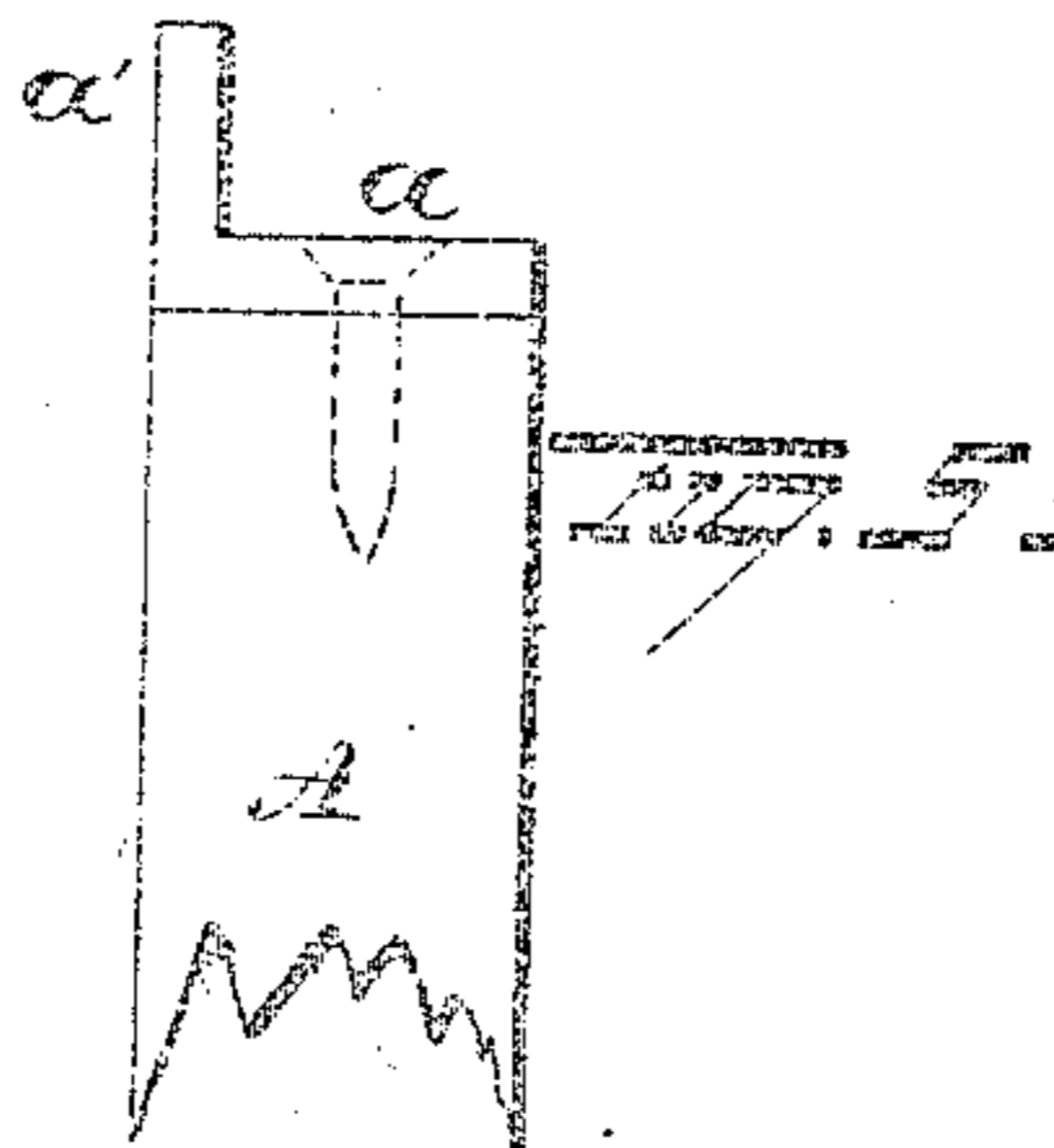
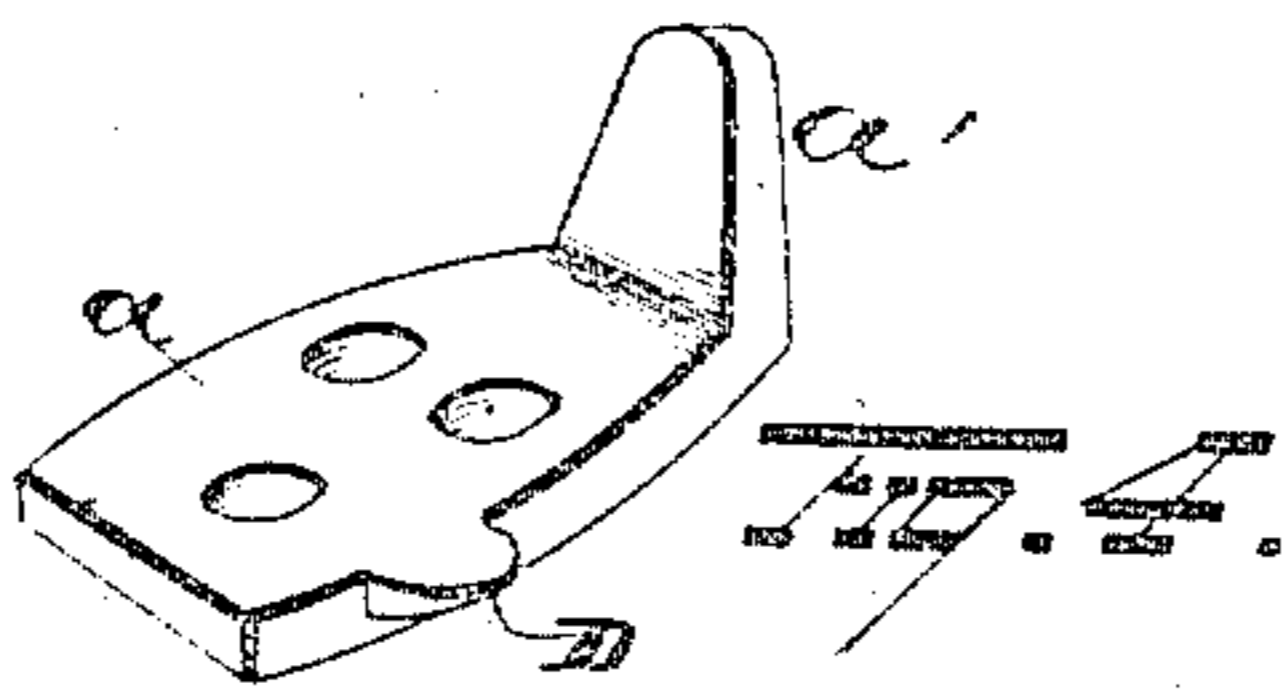
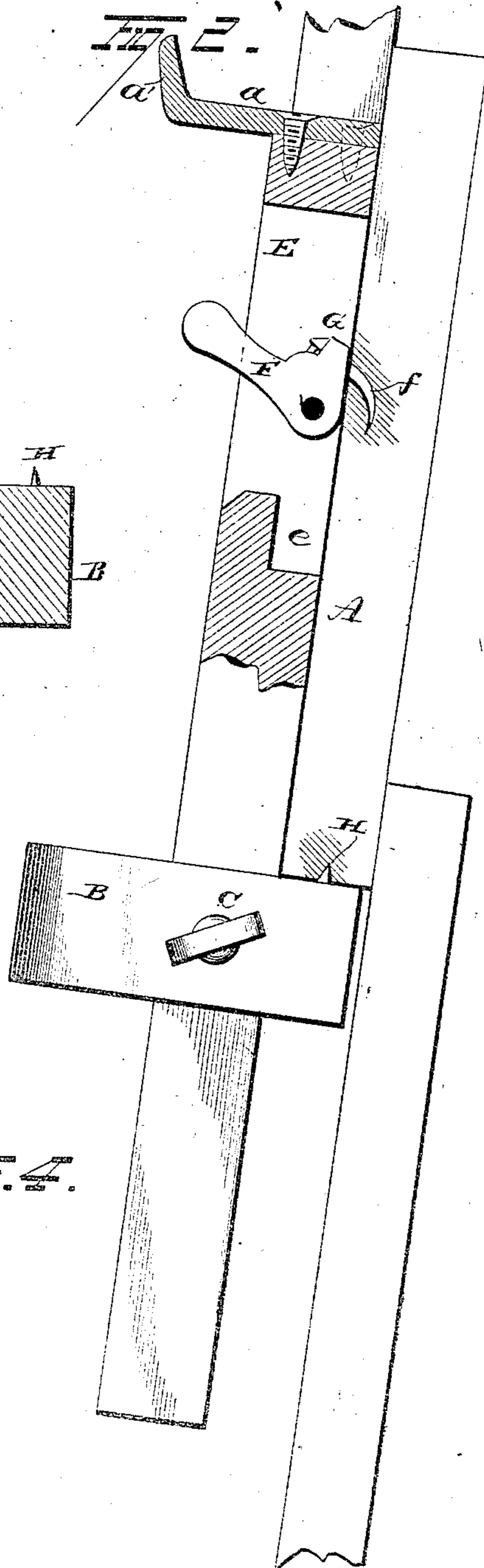
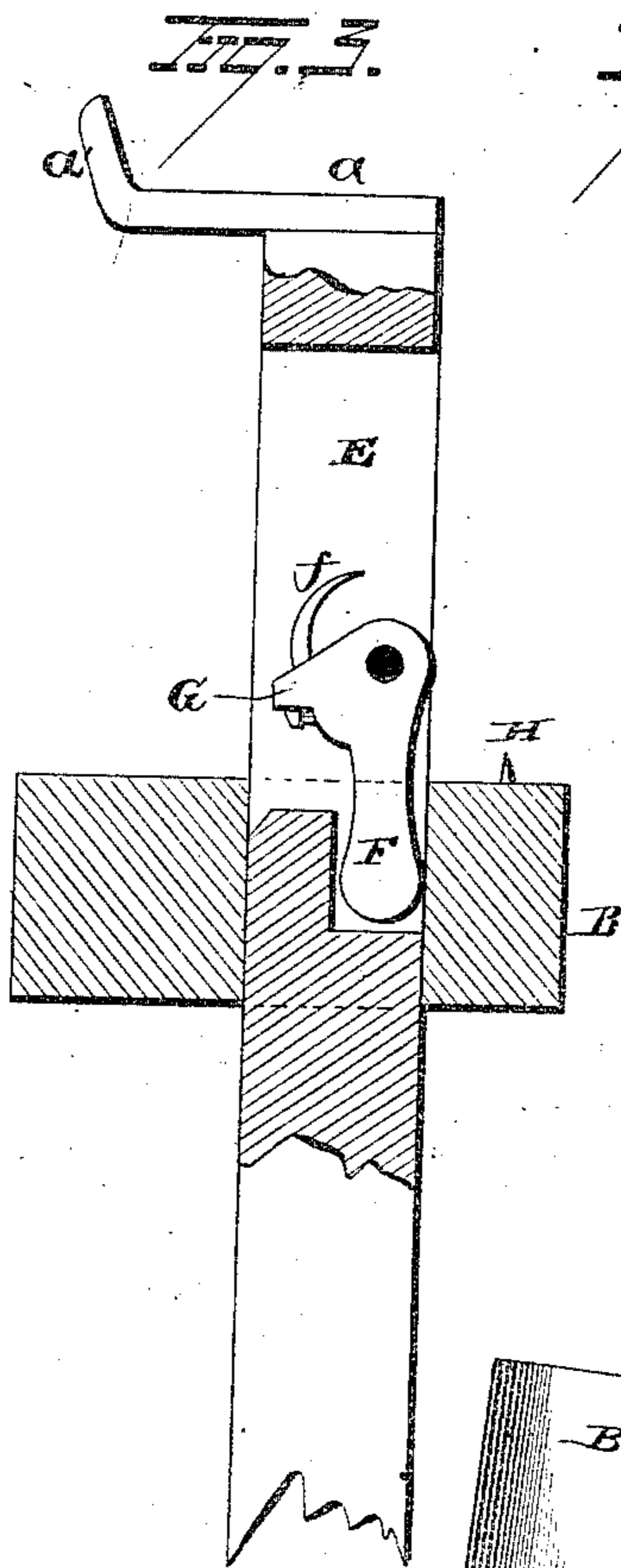
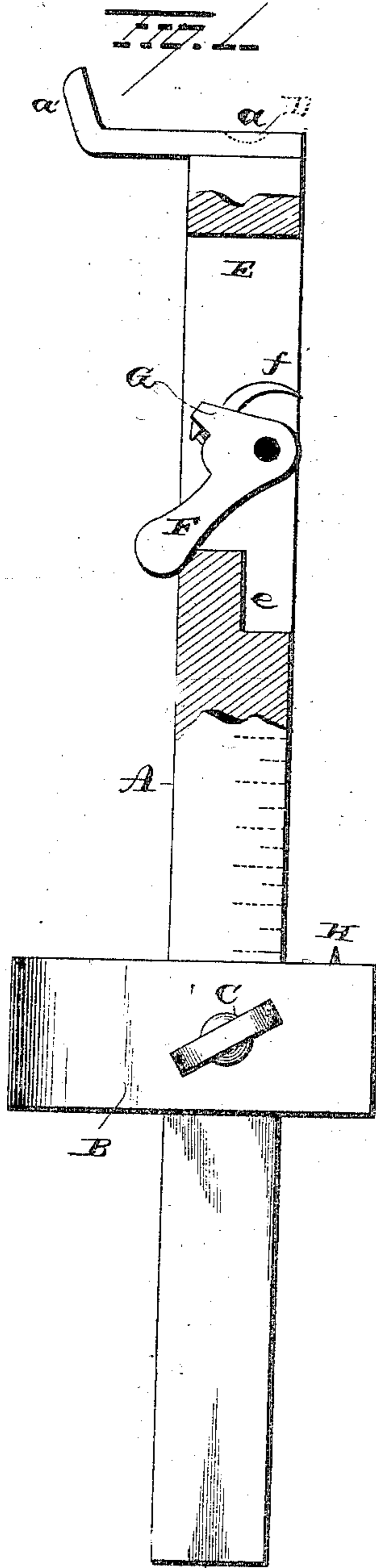


(No Model.)

H. V. VOGT.
GAGE.

No. 339,033.

Patented Mar. 30, 1886.



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UNITED STATES PATENT OFFICE.

HARRY V. VOGT, OF MILLVILLE, NEW JERSEY.

GAGE.

SPECIFICATION forming part of Letters Patent No. 339,033, dated March 30, 1886.

Application filed December 2, 1885. Serial No. 184,458. (No model.)

To all whom it may concern:

Be it known that I, HARRY V. VOGT, of Millville, in the county of Cumberland and State of New Jersey, have invented certain new and useful Improvements in Gages; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in gages.

The object is to provide a tool which shall serve the purposes of the most improved forms of carpenter's gage, and also serve as a weather-board gage and support.

With these ends in view my invention consists in certain features of construction and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view of the combination-gage in side elevation, showing the parts in position for adjusting the gage to a weather-board. Fig. 2 shows the same adjusted to the board. Fig. 3 represents the parts in the position which they occupy when the gage is used to mark a line parallel with the edge of the board or other guide. Fig. 4 is a view of the marking-point, and Fig. 5 represents a modified construction of the end cap.

A represents a bar of wood or other suitable material, preferably similar in shape to the ordinary carpenter's gage. A collar or abutment, B, is adapted to slide thereon, and be locked in any desired adjustment by a thumb-screw, C.

One end of the stock or bar A is provided with a cap, *a*, preferably a metallic cap, a marking-point, D, being either formed integral with or secured firmly to one side of the cap, as shown. The point D is formed flush with the outer face of the cap *a*, and terminates in a slightly-rounded edge rather than a sharp point, the bevel being on its inner side and ends. This construction causes the marking-point to travel more regularly along the surface of the board and prevents in a very great degree the tendency which most points have to follow the grain of the wood. The cap *a* extends beyond the side of the stock or bar A in one direction, and is provided at its end with an upwardly-extending projec-

tion, *a'*. The latter may be formed either by bending the end of the cap or by casting it thereon, or a piece may be secured to the cap. The object of the extended portion of the cap and the projection formed thereon will appear further on.

The stock or bar A is provided with an oblong slot, E, extending through the bar horizontally with respect to the position which the gage assumes when in use, to mark a board lying on a bench. In the slot E is pivotally secured a lever, F, having a curved pin, *f*, firmly set in a shoulder, G, formed on the lever. The lever and pin are so constructed and arranged that when the lever is swung from the position shown in Fig. 1 to that shown in Fig. 2 the pin *f* will project from within the slot E and take a curved path into the position shown in Fig. 2. A small sharp pin, H, set in the abutment B a short distance from the side of the bar A, through which the curved pin *f* projects, is adapted to act in conjunction with the said curved pin in securing the gage to the board.

At one end of the slot E there is a recess, *e*, formed and adapted to receive the handle of the lever F when the lever is thrown over out of use, as shown in Fig. 3. The opposite side of the same end of the slot is cut obliquely, to hold the handle of the lever in a convenient position for use.

The side of the bar A which is toward the front when the lever is in use to secure the gage to a weather-board is provided with a scale of inches or other measuring units to denote the distance from the outer face of the cap to the abutment. When the tool above described is used as an ordinary carpenter's gage, the lever F is thrown out of use within the slot E, the abutment set at the proper distance from the marking-point D, and the tool operated as is usual.

When used in weather-boarding, the lever F is thrown into position for use, as shown in Fig. 1. The abutment being then set at the distance from the face of the cap corresponding to the width of the weather-board which is to be exposed, the gage is placed on the board last secured, the point in the abutment pressed into the edge of the board, and the handle of the lever thrown over toward the opposite end of the slot, pressing the curved pin *f* into the

face of the board, and thereby securing the gage firmly to the board. One of the gages having been set in position at each end of the board, and in the middle, if so desired, the board to be nailed on is placed in position, its lower edge resting on the cap or caps *a* and prevented from slipping off by the projection thereon. The board may then be nailed on without any liability of sagging.

It is quite desirable that there shall be an exact number of exposed portions of the weather-boarding along the edge of the window or door casing. To bring this about, carpenters often resort to the scheme of making the last few laps greater than those below them, often causing thereby a noticeable irregularity. By means of my improved gage, however, the part lap which would naturally be left over at the top may be subdivided into a great number of parts by setting the gage at the proper point and commencing the compensation of the error at the very bottom of the casing, and this may be accomplished without any appreciable waste of time. It is also desirable that the ends which butt against the casing should be fitted with great exactness. To enable this to be done the cap *a* is extended so that a board when placed in position on the cap in close proximity to the casing may be allowed to project past the casing to be marked for cutting off.

When the gage is used in other positions along the board, a cap of the form shown in Fig. 5 may be advantageously employed, the projection being located at or near the edge of the end of the stock or bar.

The hole made by the curved pin *f* is quite small and will readily fill with paint and never show. Its course being downward, the paint will flow into it without any trouble.

It is evident that slight changes might be resorted to in the form and arrangement of the several parts described without departing from

the spirit and scope of my invention; hence I do not wish to limit myself strictly to the construction herein set forth.

I am aware that it is not new to provide a weather-board gage with a shouldered end for supporting a weather-board and with an adjustable abutment; also, that it is old to provide a carpenter's gage with a marking-point and an adjustable abutment; hence I make no claim to these parts separately considered.

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

1. The combined carpenter's gage and weather-board gage, consisting, essentially, of a bar having an adjustable abutment, a marking-point on one end of said bar, a shouldered cap, and a swinging pin mounted on the bar for locking the bar to a weather-board, substantially as set forth.

2. The combination, with a bar provided with an adjustable abutment having a spur or pin therein, and a shouldered cap secured to one end of said bar, of a lever pivoted to said bar, and a curved pin, substantially as described, rigidly secured to the lever, substantially as set forth.

3. The combined carpenter's and weather-board gage, consisting, essentially, of the graduated stock or bar, a sliding abutment secured to said stock or bar and provided with a retaining-spur, the shouldered cap secured to one end of the bar, a marking-point secured to the shouldered cap, and the curved pin pivotally secured to the bar, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

HARRY V. VOGT.

Witnesses:

E. L. STURDIVANT,
S. E. STURDIVANT.