

(No Model.)

C. L. BELLAMY.

GAGE.

No. 302,315.

Patented July 22, 1884.

Fig. 1.

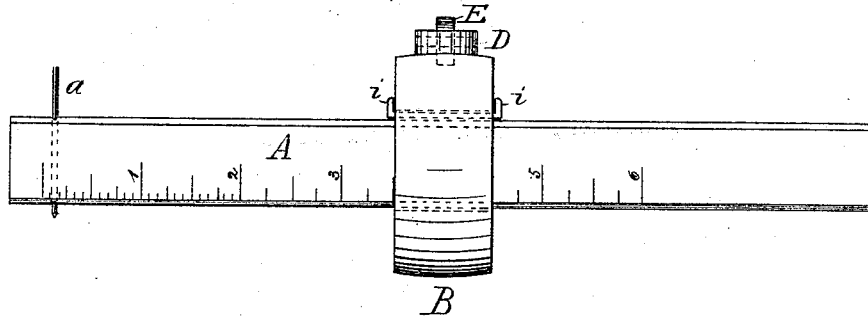


Fig. 2.

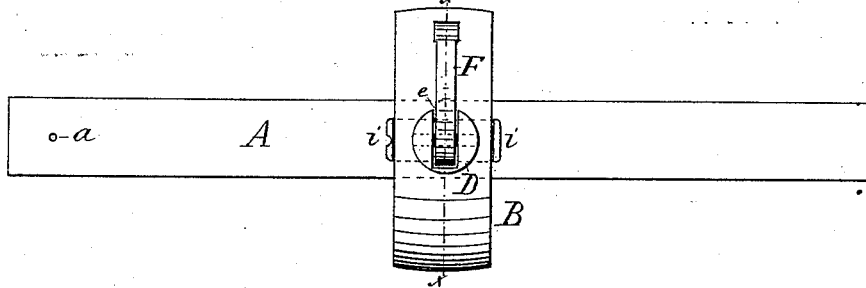
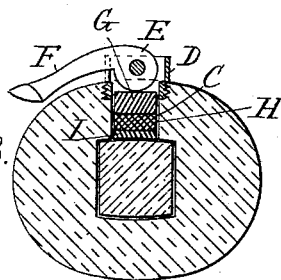


Fig. 3.



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# UNITED STATES PATENT OFFICE.

CHARLES L. BELLAMY, OF ARLINGTON, NEW JERSEY.

## GAGE.

SPECIFICATION forming part of Letters Patent No. 302,315, dated July 22, 1884.

Application filed February 20, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES L. BELLAMY, a citizen of the United States, and a resident of Arlington, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Gages, of which the following is a specification.

My invention relates especially to tools known as "carpenters' gages," and has for its object the provision of means whereby the movable head or fence may be accurately and easily adjusted and locked, or secured at any point upon the shank.

To attain the desired ends, my invention consists, essentially, in the combination, with a gage or scribing-tool, of a metallic shell, screw-threaded for the purpose of adjustably engaging with the walls of a perforation in the gate or head of the gage. Pivoted within this shell is a cam adapted and arranged to impinge upon a metal disk located therebeneath, a rubber button being placed between said disk and a flat plate resting upon the shank of the gage. By this construction the cam-lever is so located as to be easily manipulated, and by reason of the adjustable character of the shell, wherein said cam is mounted, if the pressure exerted is too great, it may be lessened, and if by use the shell may be screwed farther into the gate, taking up the extra space caused by the wear.

In the drawings, Figure 1 is a side elevation of my improved gage, and Fig. 2 is a plan view thereof. Fig. 3 is a vertical sectional view at line *xx* of Fig. 2.

Like letters of reference, wherever they occur, indicate corresponding parts in all the figures.

A is the shank of the gage, provided with a point or scribe at *a*. The shank may be marked with inches and fractions thereof, as illustrated in Fig. 1.

B is the movable head or fence, sliding over shank A in the usual manner. Said head is perforated at C for the reception of the locking mechanism.

D is a metal shell, preferably screw-threaded upon its periphery, for engaging with the walls of perforation C.

E is a cam, pivoted in a slot, *e*, through shell D, and provided with an operating arm or lever, F.

G is a metal disk or block loosely fitting in the perforation C.

H is an elastic button or spring located beneath block G, and above a metal plate, I, extending longitudinally along shank A, and being held against displacement by ears *i* at each extremity. The elastic button shown in the locking mechanism may be made of rubber; but it will be seen that a spiral spring or other form may be substituted therefor without departing from the spirit of my invention.

When constructed and arranged in accordance with the foregoing description, my device will be found admirably adapted to the uses and purposes for which it is intended.

In order to move the head to the desired point, the cam-lever is thrown to a vertical position, releasing the locking mechanism and permitting a free movement of the head along the shank, and by pressing the cam-lever to a horizontal position the head is secured at any desired point. Usually a thumb-screw is employed for locking the movable head; but this construction possesses many disadvantages. In securing in place both hands must be used, while in my device the cam may be operated and the head moved by one and the same hand. Where the thumb-screw is employed, the head will nearly always be thrown out of place before the screw is forced home, necessitating the striking of the end of the shank against some solid substance to readjust the parts. In my device there is no chance for displacement while the cam is being adjusted. The constant grinding of the point of the thumb-screw upon the top of the shank wears the same away when made of wood and prevents accuracy of adjustment, and if a metal strip is let into the shank it materially adds to the weight of the tool.

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

1. A scribing tool or gage wherein the adjustable head or fence is adapted and arranged to be secured at any point by means of a cam-lever pivoted in a metallic shell or bearing

screwed into a perforation in said head, substantially as shown and described.

2. In a gage of the character herein specified, the movable head provided with the locking mechanism, consisting of the cam mounted in the adjustable shell, an elastic button being located between said cam and the shank of the gage, substantially as shown and described.

3. Shank A, head or fence B, perforated at C, shell D, cam E, provided with an operat-

ing-lever, F, disk G, elastic button or spring H, and plate I, the whole combined and arranged to operate substantially as shown and described.

Signed at New York, in the county of New York and State of New York, this 16th day of February, A. D. 1884.

CHARLES L. BELLAMY.

Witnesses:

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A. M. PIERCE.