

(No Model.)

J. R. KIVETT.
Clapboard Gage.

No. 239,390.

Patented March 29, 1881.

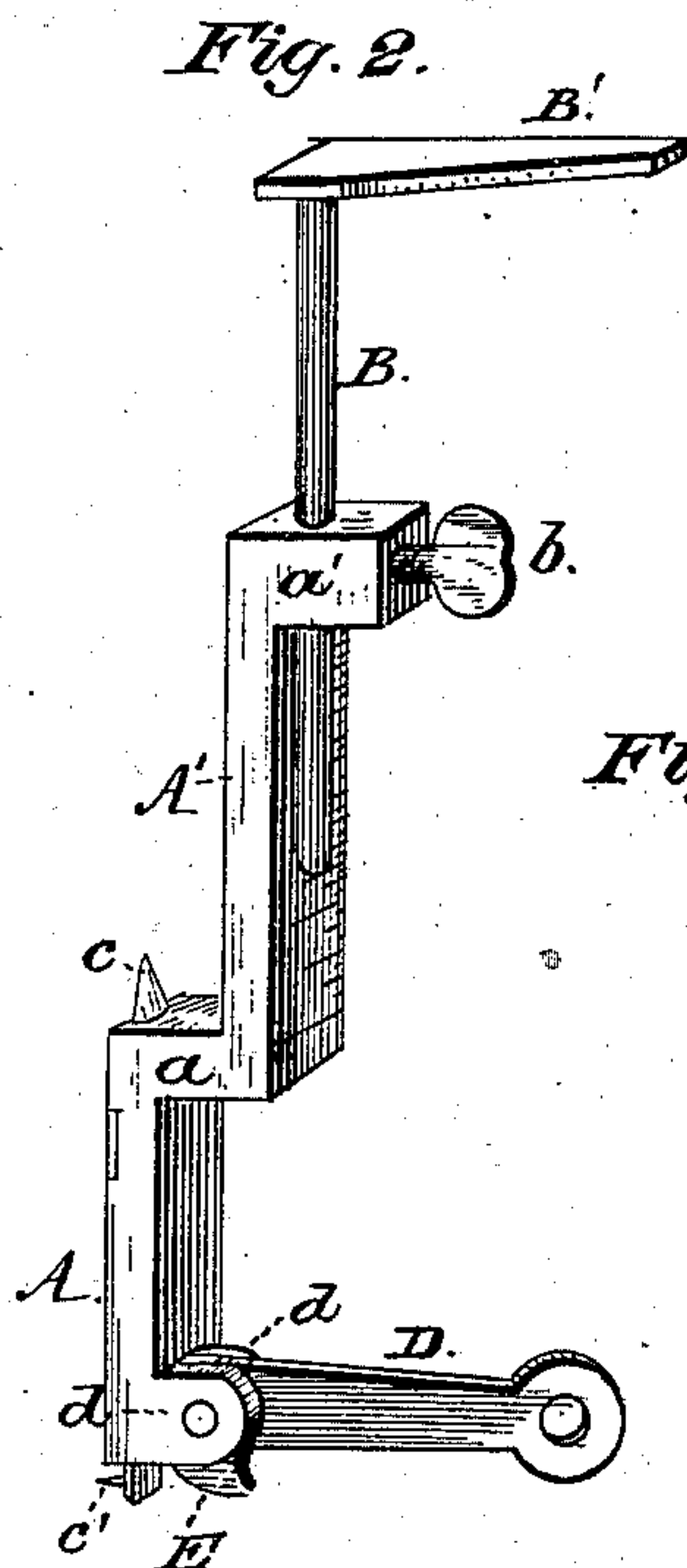
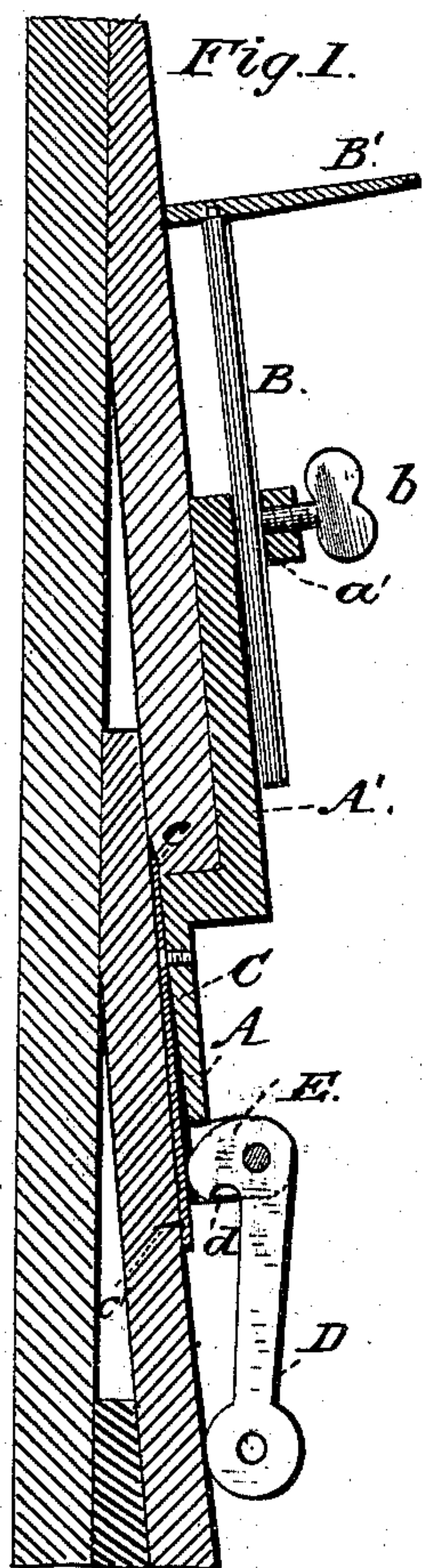
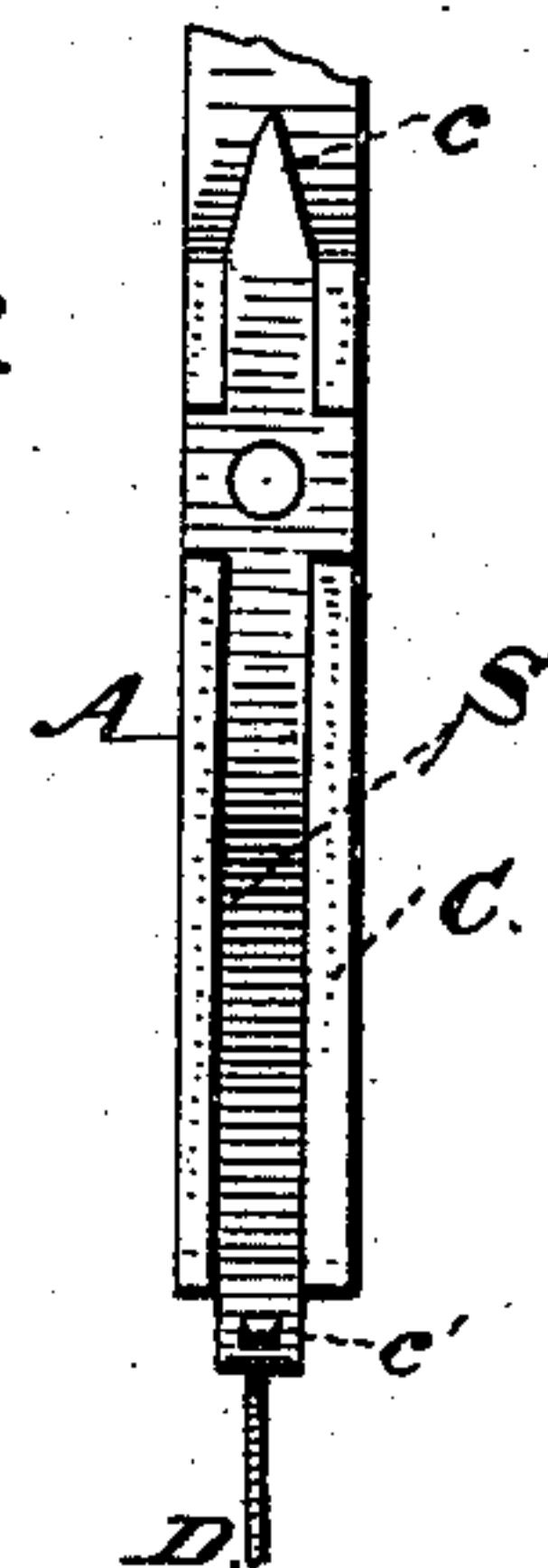


Fig. 3.



Witnesses:
Ed. G. Dietrich
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UNITED STATES PATENT OFFICE.

JOHN R. KIVETT, OF ZUMBROTA, MINNESOTA, ASSIGNOR TO CORNELIUS M. BINGHAM AND CHESTER E. GROVER, OF SAME PLACE.

CLAPBOARD-GAGE.

SPECIFICATION forming part of Letters Patent No. 239,390, dated March 29, 1881.

Application filed December 6, 1880. (No model.)

To all whom it may concern:

Be it known that I, JOHN R. KIVETT, of Zumbrota, in the county of Goodhue and State of Minnesota, have invented certain new and useful Improvements in Clapboard-Gages; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to improvements in that class of clapboard-gages in which an adjustable supporting bar or frame is provided with a cam-lever arranged to operate a spring-fastening blade, as hereinafter more fully described and claimed.

In the annexed drawings, in which similar letters indicate like parts in the several views, Figure 1 is a sectional view of the side of a frame weather-boarded building, showing the gage in position to support the next board. Fig. 2 is a perspective view of the implement; and Fig. 3 is a detail.

The main supporting arm or bar is composed of two parts, A A', rectangular in form, which are arranged, one above the other, in parallel lines, and connected at their ends by an inset, *a*, that fits under the lower edge of a weather-board when the implement is in use.

At the upper end of the main arm is a lug or bearing, *a'*, which is centrally perforated in a vertical line for the reception of the upper or adjustable supporting-arm, B. This arm is preferably round or cylindrical in form, and when in position rests against the outer surface of the main arm, being held firmly in place by means of the set-screw *b*, that enters a horizontal perforation in the outer end of the lug *a'*.

The arm B is provided at its upper end with a horizontal support, B', the inner end of which projects beyond the vertical portion of the arm sufficiently to be on a line with the inner surface of the arm A', and thus rest firmly against the weather-boarding when the implement is properly adjusted in position.

The lower portion, A, of the main arm is provided on its inner surface with a groove that extends from end to end, and in which is se-

cured a spring-blade, C, that is provided at its upper end with a vertical spur, *c*, and at its lower end with a horizontal spur, *c'*. This spring-blade is operated by the cam-lever D, that is pivoted, in suitable bearings *d d*, at the lower end of the main arms in such a manner that when the lever D is turned down in a vertical position the cam E, acting on the spring C, forces the same outward.

The operation and advantages of the implement will be readily understood: Upon throwing the cam-lever D upward, and thus relieving the spring C from the pressure of the cam E, the implement may be adjusted in position by inserting the spur *c* under the lap of the last board secured. The implement should now be forced upward until the inset *a* or short horizontal part of the main bar is pressed firmly against the lower edge of the clapboard, when the cam-lever D may be drawn down in a vertical position, thus causing the cam E to force the spring C outward and press the spur *c'*, at the lower end of the spring-blade, firmly into the board. The arm B having been adjusted at the proper height by means of the set-screw *b* and a scale that is marked on the outer surface of the arm A', the next board to be secured is placed on the support B', where it may be held easily in position while being nailed to the siding.

I am aware of the patent to S. G. Bigelow, No. 124,028, dated February 27, 1872, in which a base having a dovetailed groove is combined with a correspondingly-shaped extension-bar, a set-screw being provided for holding the latter in position, and a spurred spring and cam-lever for retaining the device. My invention, however, is provided with the inset A', having a bearing for the extension-rod B, which latter may thus be of unlimited length. The said extension-rod, being cylindrical, may also be turned to any desired position, or it may be reversed in its bearing, thus enabling the apparatus to be conveniently carried in the pocket. Finally, the holding-spring C is secured in a groove in the bar A, where it is protected from injury while in or out of use, and being confined within said groove and protected by said bar or arm A it is not liable to become bent

or broken, and is also rendered much stronger than if it were open and unprotected, and is consequently very durable.

My device has many advantages and differences of construction over Bigelow's patent, and I claim no part of his invention; but

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

In a gage for weather-boarding buildings, the combination, with the bar or base, consisting of arm A, having lugs *d*, on which is hinged a lever, D, provided with cam E, inset *a*, arm A', having on its face a graduated scale, lug *a'*, having set-screw *b*, and cylindrical extension-

rod B, having at its top a support, B', of a holding-spring, S, having on its inner face one or more spurs, *c c'*, said spring fitting in a groove in the inner face of the arm A, to which it is secured and by which it is protected from injury, all arranged and operating substantially as herein shown and specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JOHN R. KIVETT.

Witnesses:

O. H. HALL,

J. M. CHAFFEE.