(No Model.)

# H. SCHILL.

## ADJUSTABLE GAGE FOR SUPPORTING WEATHER BOARDS.

No. 418,754. Patented Jan. 7, 1890.

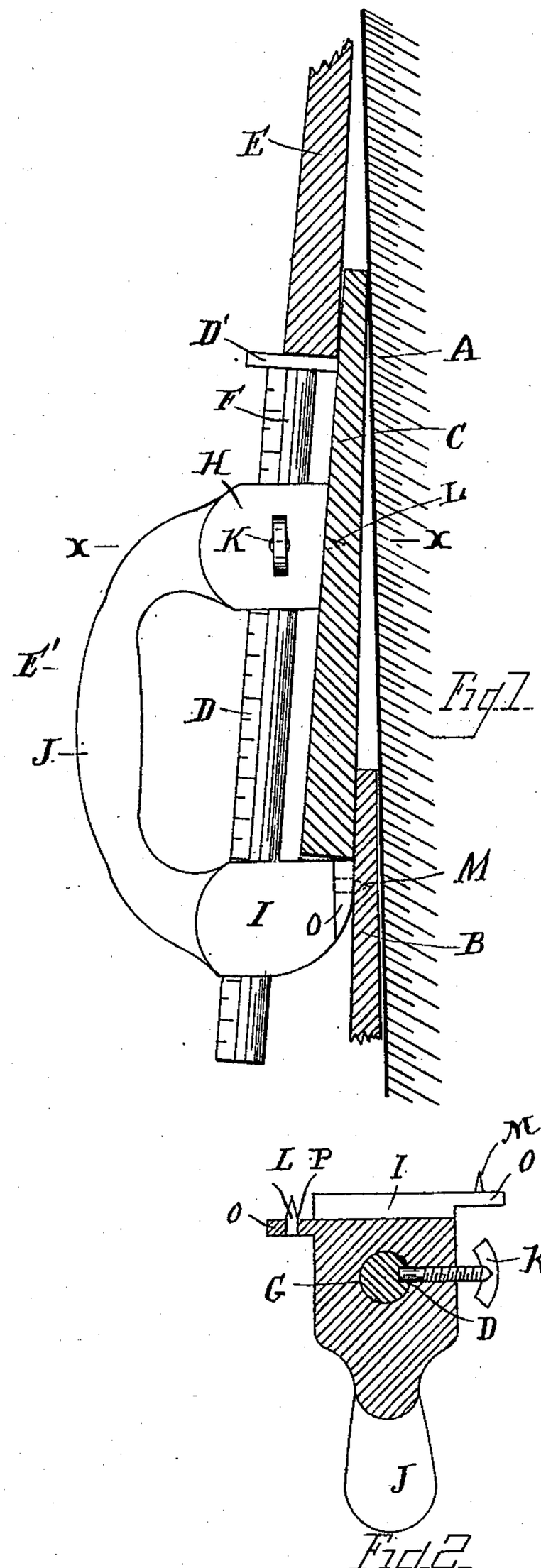


Fig 1.

Fig 2.

WITNESSES.
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# UNITED STATES PATENT OFFICE.

HENRY SCHILL, OF TOLEDO, OHIO.

## ADJUSTABLE GAGE FOR SUPPORTING WEATHER-BOARDS.

SPECIFICATION forming part of Letters Patent No. 418,754, dated January 7, 1890.

Application filed September 16, 1889. Serial No. 324,134. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY SCHILL, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Adjustable Gages for Supporting Weather-Boards; 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, and to the letters of reference marked thereon, which form part of this specification.

My invention relates to an adjustable gage for supporting weather-boards, and has for its object to provide a simple and easily-adjusted support for the weather-board that shall be convenient to affix in position and that shall be inexpensive of construction.

It is the object of my invention to provide a support for the board which, after having been adjusted to determine the required lap, can be readily affixed to the side of the building by the operator, and that shall act as a rest for the board and a gage to the lap.

The invention consists in the parts and combination of parts hereinafter described, and pointed out in the claims.

In the drawings, Figure 1 is a side elevation of the gage as applied to a building in the process of being weather-boarded. Fig. 2 is a sectional plan view of the gage on lines *x x*, Fig. 1.

A designates the studding of the building, to which boards B and C have been secured, the board E being represented as being held in position to give the desired lap upon board C by means of an adjustable bar D.

E′ designates the gage, comprising the graduated bar D, provided with a rest D′ at the upper end, and a longitudinal groove F, the bar D being guided and secured in perforations G in the upper and lower right-angled ends H and I, respectively, of the body J of the gage, the body J serving as a convenient handle for the operator to grasp when affixing the gage to the side of the building. In the upper right-angled end H is tapped a thumb-screw K, which serves to hold the bar D in any desired adjustment, the end of the screw entering the longitudinal groove F, and thereby preventing the bar from turning, it being preferred to form the perforations round, as they can be formed more true when drilled than by casting and fitting, as in the case of a rectangular perforation.

The upper end H of the body portion of the gage is slightly inclined upon the face to fit the inclination of the board C, and is provided with a stud L to enter the board, the lower end I of the body portion being of greater length than end H, the difference in length being sufficient to allow the same to abut upon the upper side thereof against the lower edge of board C, thereby limiting the upward movement of the body portion in placing the same against the side of the building, the extreme end being provided with a stud M to enter board B, whereby the two studs L and M serve to hold the gage and board resting thereon firmly in place.

To give greater bearing-surface to the end portions H and I, and at the same time render the gage light, there are preferably formed side flanges O, one upon each side, into which the studs are removably secured by being forced into perforations P, formed therein and either held frictionally, or they may be threaded and run into threaded perforations. The removability of the studs allows of their being sharpened when dull or being forced farther through the perforations when worn too short to hold properly.

In operation, after the first and second boards have been secured to the joists the gage is adjusted to give the desired lap to the succeeding boards by moving the bar D in perforations G and securing the same by the thumb-screw K. The operator now grasps the gage at J and presses the upper side of the angled end portion I against the under edge of the second board and forces the studs into the first and second boards, respectively, thereby securing the gage in place with the rest D′ of bar D at the proper height and in proper position to sustain the board to be nailed, which board is placed upon the rest and secured, when the operation is repeated.

It will be seen that the device is conven-

ient to operate and inexpensive of construction.

What I claim is—

1. An adjustable gage for supporting weather-boards, consisting of a body portion formed with right-angled ends having transverse perforations and projecting studs, the lower end portion being of greater length than the upper portion, and a movable rod held within the transverse perforations, as and for the purpose set forth.

2. In an adjustable gage for supporting weather-boards, a body portion, right-angled ends integral therewith, the upper one of which is formed with a face having an inclination coincident with the siding, the opposite end being of a sufficient length to extend beneath the lower edge of the fixed board, studs upon each end, and a bar movably secured in the ends of the body portion, as and for the purpose set forth.

3. In an adjustable gage for supporting weather-boards, a body portion formed with ends at right angles thereto having transverse perforations, a flange upon each end portion on opposite sides, studs removably secured in the flanges, in combination with a movable graduated bar secured within the perforations and held in place by a set-screw, as and for the purpose set forth.

4. In a weather-board gage, the combination, with a body portion having right-angled ends each vertically perforated and provided on their inner faces with studs, of the vertically-adjustable supporting-bar longitudinally grooved, said bar working in the perforated ends, and a set-screw passing through one of the heads and engaging with the longitudinal groove to hold the bar securely in place, substantially as shown and described.

5. An improved weather-board gage consisting of the body portion having the right-angled ends vertically perforated, the laterally-projecting flanges upon each end, having pointed studs secured therein, the vertically-adjustable bar working in the perforated ends and longitudinally grooved, the rest upon the upper end of said bar, and the set-screw passing through the upper angled end adapted to engage with the longitudinal groove and hold the bar securely in place, all of said parts being constructed and combined substantirlly as shown and described.

In testimony that I claim the foregoing as my own I hereby affix my signature in presence of two witnesses.

HENRY SCHILL.

Witnesses:

WILLIAM WEBSTER,

CARROLL J. WEBSTER.