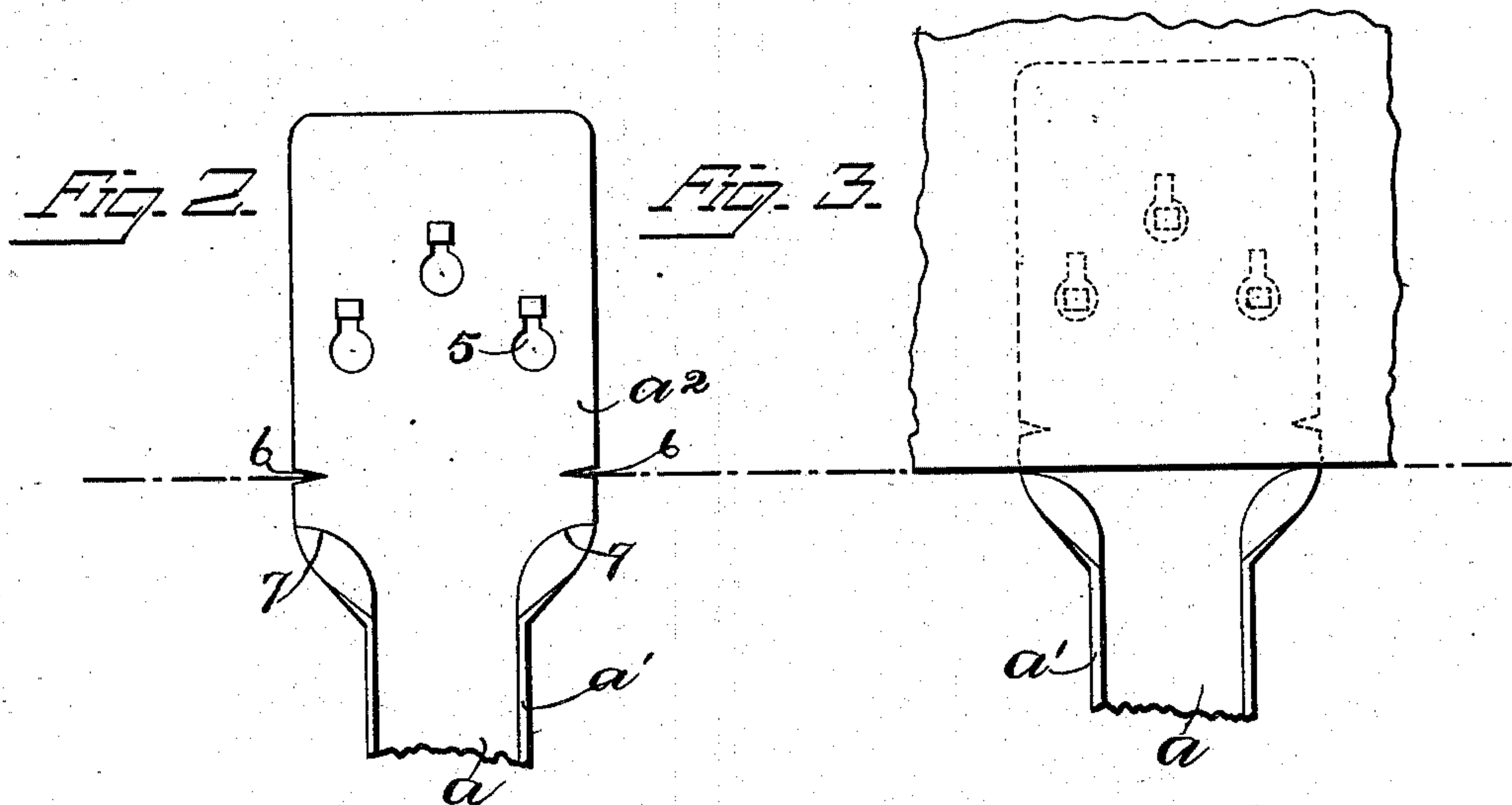
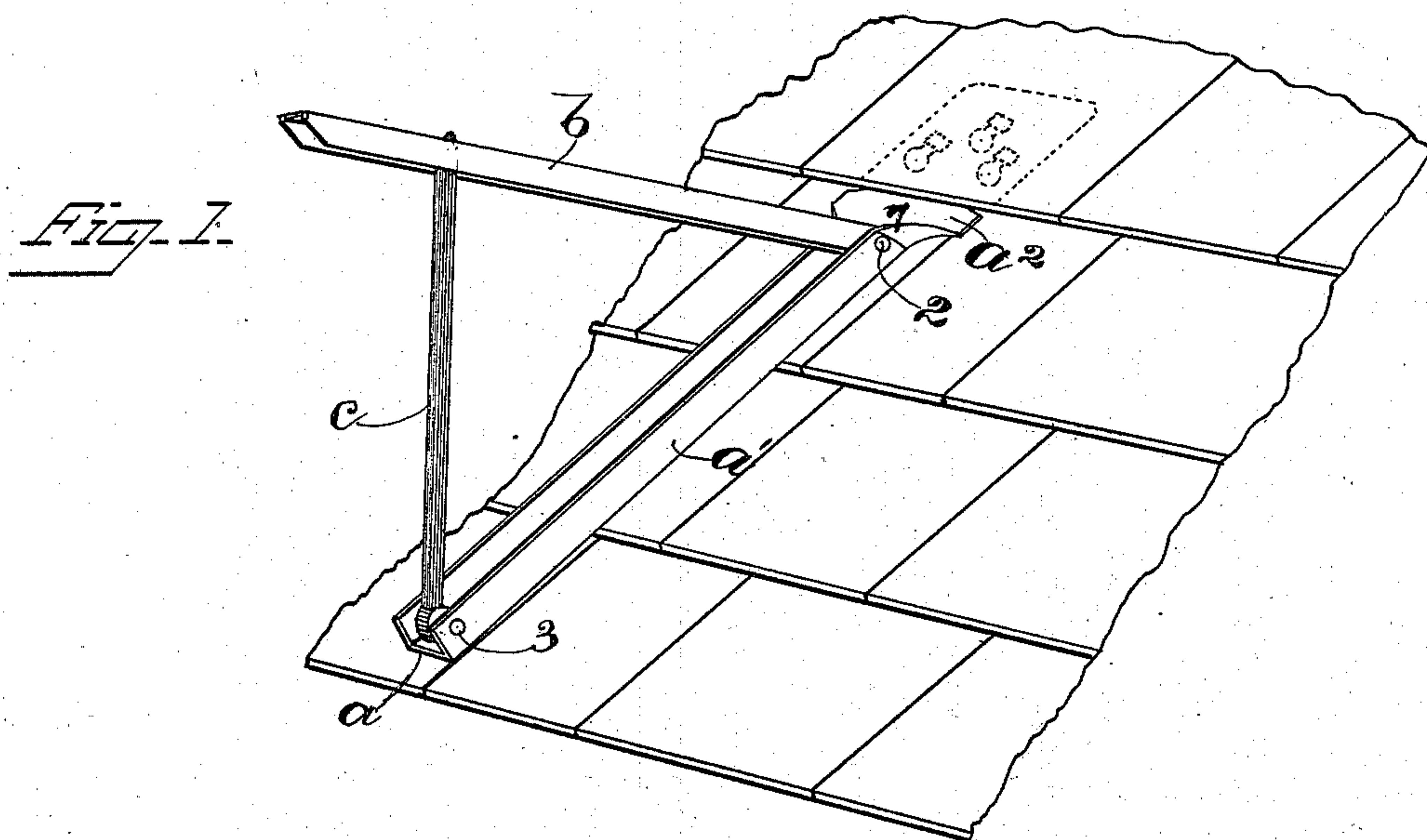


(No Model.)

J. B. KENISON & M. F. BURK.
STAGING BRACKET.

No. 528,169.

Patented Oct. 30, 1894.



WITNESSES.
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UNITED STATES PATENT OFFICE.

JOHN B. KENISON AND MICHAEL F. BURK, OF LYNN, MASSACHUSETTS.

STAGING-BRACKET.

SPECIFICATION forming part of Letters Patent No. 528,169, dated October 30, 1894.

Application filed January 16, 1894. Serial No. 497,033. (No model.)

To all whom it may concern:

Be it known that we, JOHN B. KENISON and MICHAEL F. BURK, of Lynn, county of Essex, State of Massachusetts, have invented an Improvement in Staging-Brackets, of which the following description, in connection with the accompanying drawings, is a specification, like letters and figures on the drawings representing like parts.

This invention relates to staging brackets, and is intended as an improvement upon the staging bracket shown and described in United States Letters Patent No. 511,721, dated December 26, 1893. In the patent referred to a thin flat end portion was provided at the upper end of the wall plate having several keyhole slots or openings through which the nails for securing the bracket to the roof were driven, and after a course of shingles had been laid covering said end portion, the bracket was removed by forcing it upward a short distance, and then raising it from the securing nails.

In practice we find that after a course of shingles has been laid, covering said end portion, that there is great liability of forcing the bracket up too far, and as a result the heads of the nails still act to hold the bracket.

Our present invention is intended to obviate this difficulty, and to effectually do so we have provided a guide or guides, and a short distance below it a limiting stop, the distance between the two being substantially equal to the distance between the end of the slot of the keyhole opening and the center of the circular portion of said opening, and by placing the bracket with the guide upon the line drawn for the butts of the shingles, we can, after a course of shingles has been laid, force up the bracket until the limiting stop strikes the butts of the shingles, at which time the securing nails will occupy a position at the center of the circular opening of the keyhole slots. This guide is herein termed the butt-line guide.

Figure 1, shows in perspective view a staging bracket embodying this invention; Fig.

2, an enlarged detail showing the upper end portion of the wall plate with the securing nails in their proper position to hold the bracket, the guide being upon the butt-line; Fig. 3, a similar detail showing the bracket forced up so that the limiting stop strikes the butts of the shingles, at which time the securing nails will occupy a position at the center of the circular portion of the keyhole slots.

The wall plate *a* having its side edges *a'*, upturned, and also having a thin flat upper end portion *a²*, provided with keyhole slots 5, the sole plate *b* pivotally connected to said wall plate at 2, and the brace rod *c*, pivotally connected at its lower end at 3, to the wall plate, are all substantially as shown and described in the patent referred to.

Herein the end portion *a²*, is provided at one or both sides with a notch 6, so located that when the bracket is placed in position said notch or notches will register with the usual butt-line drawn for the butts of a course of shingles.

The side edges *a'* are formed at the points 7 adjoining the end portion *a²* to serve as limiting stops, the distance between the notches or butt-line guides, and the limiting stops being substantially equal to the distance between the ends of the slots of the openings 5 and the centers of the circular portions thereof.

In using the bracket, it is placed upon the roof or previous row of shingles in such manner that the butt-line guides register with the butt-line drawn for the next course of shingles, and after said course of shingles has been laid, covering the end portion *a²*, by forcing the bracket upward until the limiting stop strikes the butts of the shingles so laid, it will be found that the securing nails will occupy a position at the center of the circular portions of the keyhole slots, and by raising the end portion *a²*, the bracket may be readily removed, without disturbing the securing nails.

We claim—

In a staging bracket, the combination of a

sole plate, brace rod, and wall plate, said wall
plate having a thin flat end portion provided
with several keyhole slots for the securing
nails, and also with a butt-line guide, and a
5 limiting stop located a short distance be-
low said butt-line guide, substantially as de-
scribed.

In testimony whereof we have signed our

names to this specification in the presence of
two subscribing witnesses.

JOHN B. KENISON.
MICHAEL F. BURK.

Witnesses:

S. EVERETT,
WILLIAM H. GERRISH.