T. M. McCLELLAND & J. A. GRANT.

Shingling Bracket.

No. 201,691. Patented March 26, 1878.

Fig. 1.

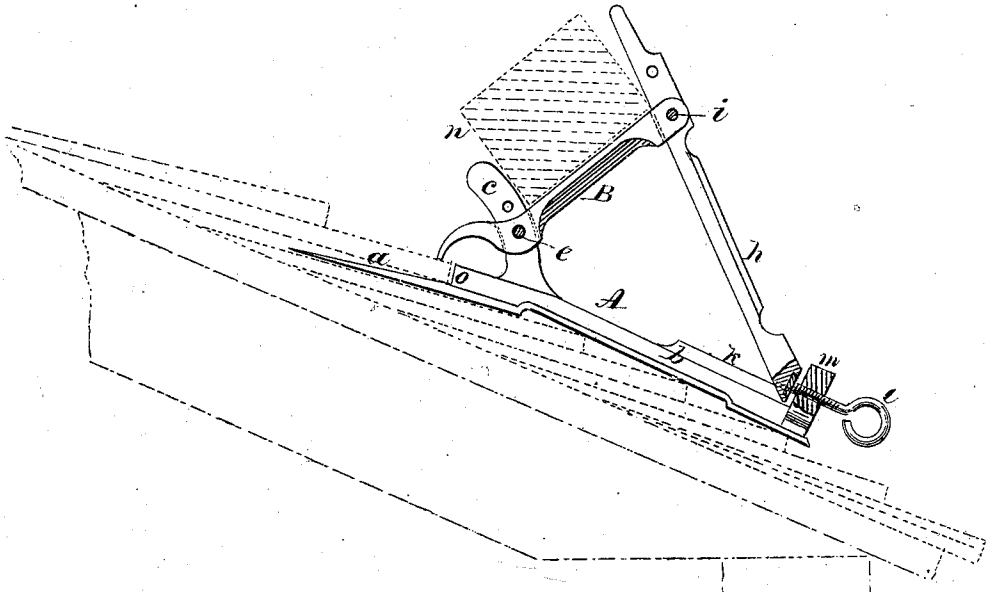
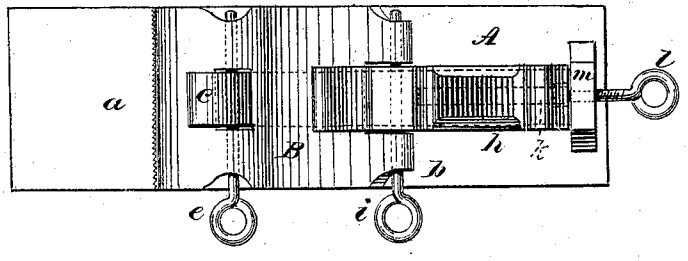


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

THOMAS M. McCLELLAND AND JAMES A. GRANT, OF MOUNT PLEASANT, IOWA.

IMPROVEMENT IN SHINGLING-BRACKETS.

Specification forming part of Letters Patent No. **201,691**, dated March 26, 1878; application filed December 28, 1877.

To all whom it may concern:

Be it known that we, THOMAS M. McCLELLAND and JAMES A. GRANT, of Mount Pleasant, in the county of Henry and State of Iowa, have invented a new and Improved Bracket for Scaffolding, of which the following is a specification:

Figure 1 is a side elevation, partly in section, of our improved bracket. Fig. 2 is a plan view.

Similar letters of reference indicate corresponding parts.

The object of our invention is to provide an adjustable bracket for supporting scaffolding on inclined roofs; and it consists in a bed-piece having a chisel-shaped end for entering between the shingles, and in a lever pivoted to an arm projecting from the bed-piece, and arranged to clamp the butt of a shingle between it and the chisel-shaped end of the bed-piece. The said lever is moved by a bar that is actuated by a screw. The scaffold is supported by the arm, and is kept from slipping by the projecting end of the bar that moves the lever.

Referring to the drawing, A is the bed-piece, to which all of the other parts of the device are attached. This bed is slightly angled, so that the chisel-shaped end *a* conforms to the inclination of the upper surface of the shingle, while the part *b* conforms to the inclination of the roof.

The under surface of the part A is recessed, to insure a firm bearing of the bed-piece on the roof. A curved standard, *c*, projects from the bed-piece A, for supporting the lever B, which is mortised and placed on the standard, and pivoted on a pin, *e*, that passes through both lever and standard.

The short arm of the lever B is curved downward, sharpened, and serrated, and the longer arm of the said lever is notched or forked, to receive the bar *h*, which is pivoted on the pin *i*, and extends both above and below the lever B. The lower end of the said bar is notched, and placed on a rib, *k*, formed on the bed-piece A, and its end is beveled, so that the screw *l* presses squarely against it.

When the device is in use the scaffolding *n* is placed on the lever B, between the upper end of the curved standard *c* and the upper end of the bar *h*.

The device is used by inserting the chisel-shaped end *a* between two courses of shingles, with the shoulder *o* on the bed-piece against the butt of the shingle. The screw *l* is then turned so as to throw the bar *h* forward and move the lever B, so that its serrated edge clamps the butt of the shingle firmly against chisel-shaped part *a*.

As many of the brackets as may be required are fastened in the course of shingles, when the scaffolding *n* is put in place.

Two or more holes are made in the bar *h* and curved standard *c*, so that the inclination of the lever B may be changed to suit the pitch of the roof.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The combination of the angled bed-piece A, having the chisel-shaped end *a*, the curved and serrated lever B, the bar *h*, and adjusting-screw *l*, substantially as shown and described.

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Witnesses:
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