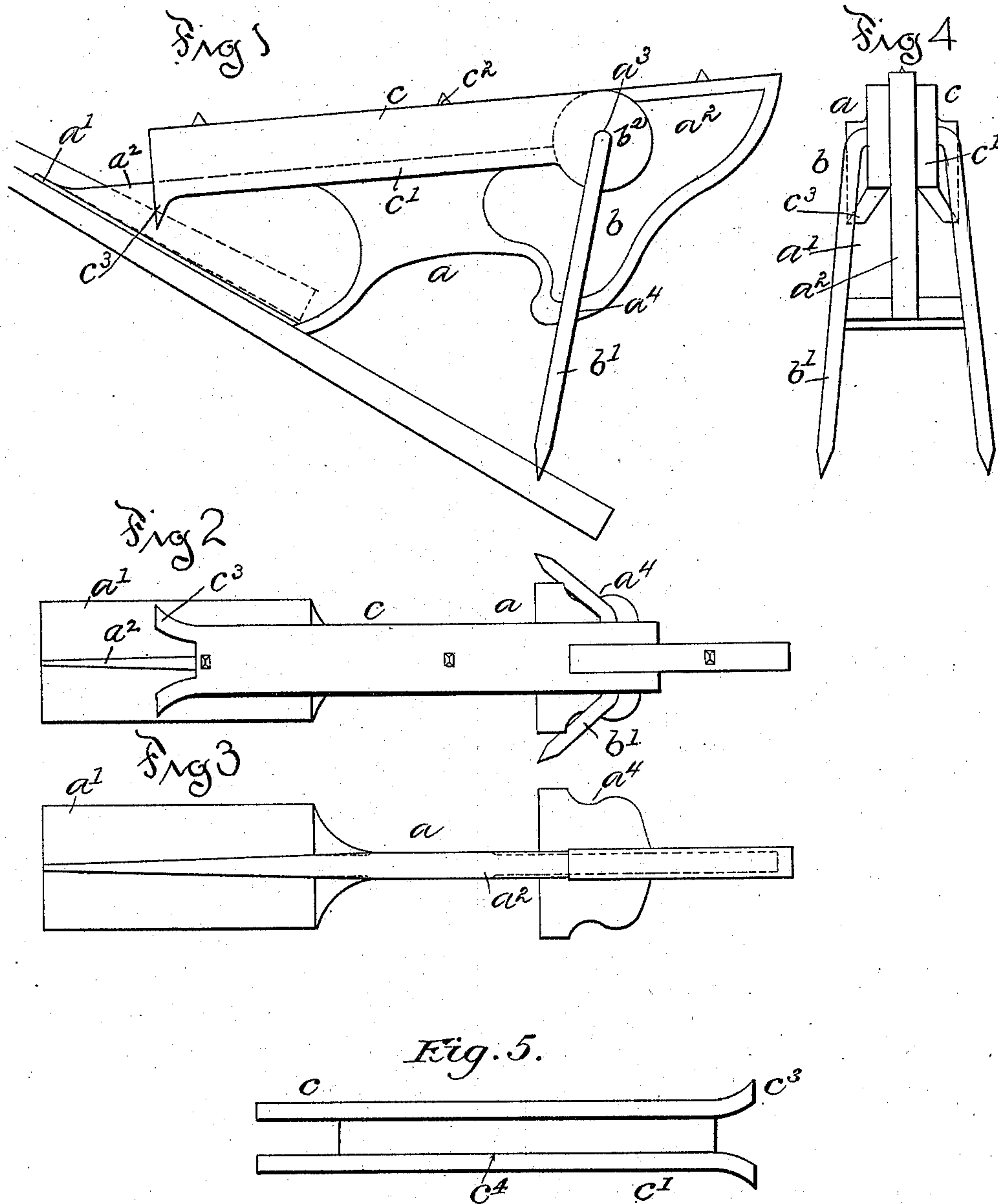


(No Model.)

E. A. BARDWELL, Jr.  
SHINGLING BRACKET.

No. 574,055.

Patented Dec. 29, 1896.



Witnesses.

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# UNITED STATES PATENT OFFICE.

EDWIN A. BARDWELL, JR., OF SHELBURNE FALLS, MASSACHUSETTS.

## SHINGLING-BRACKET.

SPECIFICATION forming part of Letters Patent No. 574,055, dated December 29, 1896.

Application filed March 17, 1896. Serial No. 583,534. (No model.)

*To all whom it may concern:*

Be it known that I, EDWIN A. BARDWELL, Jr., a citizen of the United States, and a resident of Shelburne Falls, in the county of Franklin and State of Massachusetts, have invented certain new and useful Improvements in Shingling-Brackets, of which the following is a full, clear, and exact description, whereby any one skilled in the art can make and use the same.

My invention relates to the class of devices used for supporting staging-boards on a roof for shingling, repairing, painting, or other operation; and the object of my invention is to provide a strong, cheap, and durable device that may be easily and quickly secured to a roof in a way to prevent accidental removal, and one that can be easily and quickly removed and compactly folded for storage, transportation, or like purposes.

To this end my invention consists in the details of the several parts making up the device as a whole and in the combination of such parts, as hereinafter described, and pointed out in the claims.

Referring to the drawings, Figure 1 is a side view of the device shown as secured in place on a roof. Fig. 2 is a top view of the device. Fig. 3 is a detail top view of the bracket. Fig. 4 is a front view of the device. Fig. 5 is a detail bottom view of the dog.

In the accompanying drawings the letter *a* denotes a bracket, preferably made of malleable iron or like strong metal and having a broadened foot *a'*, of suitable form to be slid under the shingles, the thin body part *a<sup>2</sup>* of the bracket projecting outward through the opening between two shingles. The broadened foot of the bracket is formed on a proper incline with reference to the top edge to allow the latter to project forward in a practically horizontal position, the outer end of the body portion *a<sup>2</sup>* having a pivot-socket *a<sup>3</sup>*. On the lower outer edge of the bracket on opposite sides are formed locking-notches *a<sup>4</sup>* for the support *b*. The support is bent to U shape and is pivotally located in the socket *a<sup>3</sup>* in the outer end of the body part of the bracket *a*. The spring-arms *b'* extend downward on opposite sides of the body part *a'* of the bracket and are sharpened at their outer ends for engagement in the woodwork of the roof to which

the device is secured. These arms are of a required length to be located in a position to properly sustain or support the outer end of the bracket *a*.

A dog *c* is pivotally connected with the bracket *a*, the pivot for the support *b* extending through holes in the side parts *c'* of the dog. The dog has a groove *c<sup>4</sup>* running lengthwise thereof, forming side parts *c'*, lying on opposite sides of the body part *a<sup>2</sup>* of the bracket, and on the upper surface of the bracket are spurs *c<sup>2</sup>* for holding the staging-boards in place. Spurs may also be formed on the outer upper edge of the bracket, if desired. The ends of the side parts of the dog opposite the pivot project downward on each side of the body part and have formed thereon teeth or claws *c<sup>3</sup>* of proper length to engage the shingles or woodwork of the roof. These teeth preferably flare outward, and it will be seen from the construction that the greater the weight placed upon the staging-boards supported by the dogs the tighter will be the grip of the claws into the woodwork of the roof, these claws, of course, being of a length to engage the woodwork before the bottom of the groove *c<sup>4</sup>* engages the upper edge of the body part *a<sup>2</sup>* of the bracket.

When the device is to be removed from a roof, the outer end is lifted to a degree to enable the support *b* to be disengaged from the roof and swung around over the top of the bracket. The claw is then lifted and the bracket pulled out from under the shingles. The device is now in convenient form for closely packing for purposes of storage or transportation.

I claim as my invention—

1. In combination with a bracket including a body part having a broadened foot rigid therewith, a dog pivoted near the front end of the base and extending rearwardly and in a position to support the scaffold-boards, and a support pivoted to and projecting downward from the body part, all substantially as described.

2. In combination with a bracket including a body part having a broadened foot, a pivoted support attached to the body part, a dog pivotally attached to the body part, and a pivot common to both the support and the dog, all substantially as described.



3. In combination with a bracket including a body part having a broadened foot, a dog pivoted to the body part, and a support also pivoted to the body part and having arms extending downwardly on opposite sides thereof, all substantially as described.

4. In combination with a bracket including a body part having a broadened foot at one end rigid therewith, a dog pivoted to the opposite end and overlying the body part and having a groove the bottom of which rests upon the body part, and a support pivoted to the outer end of the body part, all substantially as described.

5. In combination with a bracket including a body part having a broadened foot at one end rigid therewith, a dog pivoted to the opposite end and overlying the body part and having teeth located adjacent to the broadened foot, and a support pivoted to the outer end of the body part, all substantially as described.

6. In combination with a bracket including a body part having a broadened foot at one end rigid therewith, a dog pivoted to the

outer end of the body part and extending rearwardly and overlying the same, and a pivotal support extending through the body part and dog and projecting downward from the outer end of the former, all substantially as described.

7. In combination with a bracket including a body part having a foot at one end thereof, a support pivoted to the body part and having spring-arms located on opposite sides thereof, and locking devices for the spring-arms, all substantially as described.

8. In combination with a bracket having a body part with a broadened foot at one end thereof, a support pivoted to the body part and having spring-arms extending downwardly on opposite sides thereof, locking-recesses for the spring-arms, and a dog pivoted on the support and extending rearwardly from the pivot, all substantially as described.

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Witnesses:

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