F. H. ROBINSON.
Bracket.

No. 199,167. Patented Jan. 15, 1878.

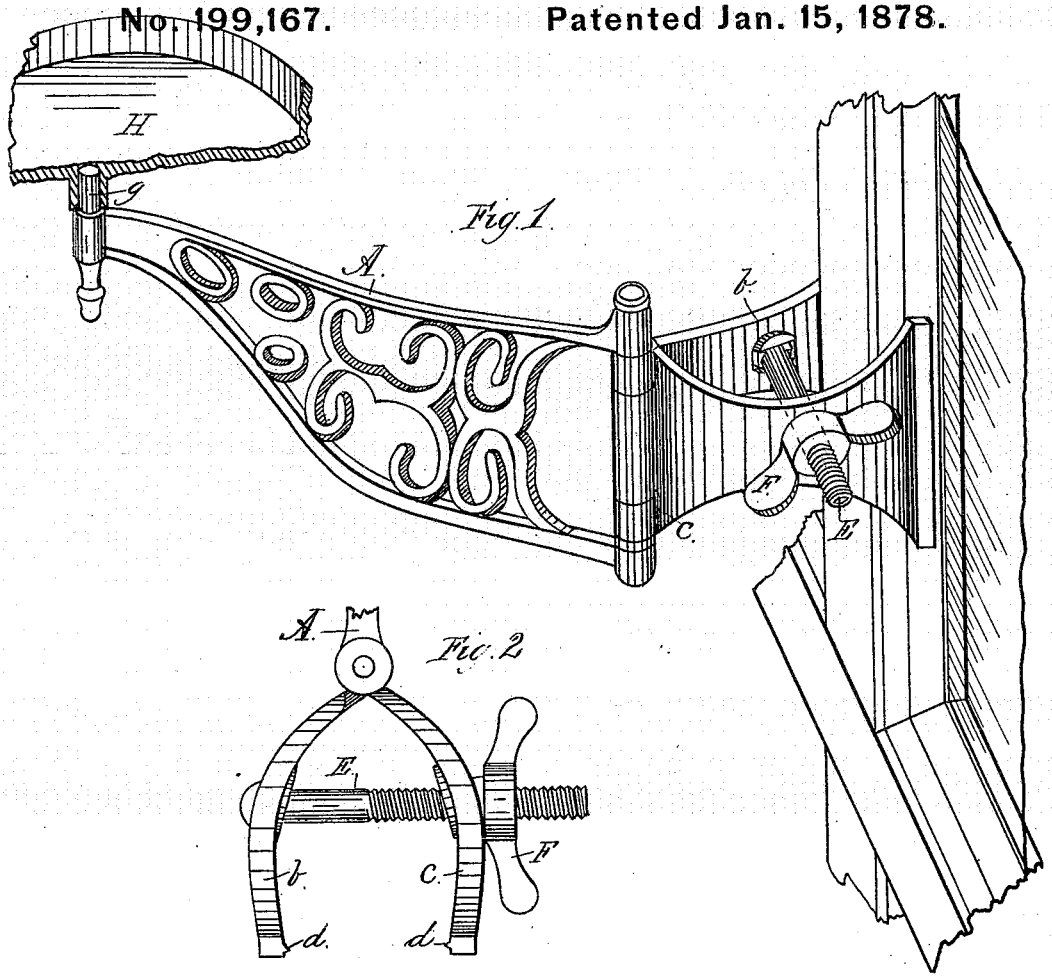

Fig. 1.

Fig. 2.

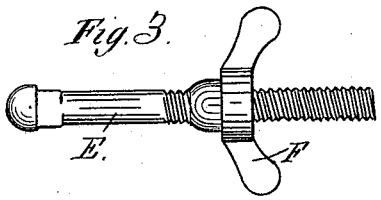

Fig. 3.

Witnesses:
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UNITED STATES PATENT OFFICE.

FRANK H. ROBINSON, OF AURORA, ILLINOIS, ASSIGNOR OF ONE-HALF HIS RIGHT TO IRA B. TRIPP, OF SAME PLACE.

IMPROVEMENT IN BRACKETS.

Specification forming part of Letters Patent No. **199,167**, dated January 15, 1878; application filed November 23, 1877.

To all whom it may concern:

Be it known that I, FRANK H. ROBINSON, of Aurora, in the county of Kane and State of Illinois, have invented certain new and useful Improvements in Brackets; and I do hereby declare that the following is a full, clear, and exact description thereof, 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 letters of reference marked thereon, which form a part of this specification.

My invention relates to that class of brackets intended to project from side walls of rooms to support flower-pots, vases, hanging baskets, &c.; and it consists in a special construction, hereinafter more particularly described, whereby it may be self-sustaining, and not require any screws or nails to secure it.

In the drawings, Figure 1 is a perspective view of a bracket constructed in accordance with my invention; Fig. 2, a plan of the clamping device, and Fig. 3 the bolt and thumb-nut detached.

A is the arm or main body of the bracket, and it is provided with two jaws, *b c*, each provided with teeth on its inner face, as seen at *d*. These jaws are hinged to the arm A, so that they may be opened or closed to any required degree, and their teeth thus enabled to bite and gripe any vertical part of the woodwork of a room, or of the furniture, such as the sash of a window, the window-frame, moldings, &c., and at any desired height, as circumstances may require.

E is a bolt, which passes through both jaws, and it is threaded at one end and headed at the other, its shank next the head being made square, or otherwise than cylindrical, to prevent its turning when the jaws are being tightened for clamping.

F is a nut or thumb-nut adapted for the thread of the bolt, and preferably tapering or conical at its inner side, as shown.

The outer end of the arm A has a pin, *g*, adapted to receive and support a plate, H, or any other appliance to hold a vase, cup, flower-pot, or other article; or it may have a hook or pin, from which a basket may be suspended, or be provided with both.

The device, it will be seen, may be readily applied to anything which the jaws are able to span, and the turning of the nut draws the jaws toward each other, and compels the teeth *d* to gripe or to penetrate the wood or other material, and hold the same tightly, the tightness of the hold being within the control of the person adjusting it, and thus apportionable to the weight to be sustained. The hold of the bolt is very firm and reliable, for it will be seen that it has not only the tightened hold of the nut against the face of the jaw, but also that of the conical portion against the hole in the jaw, which is made large enough to permit such portion to enter it and act in the nature of a wedge.

No screws, screw-drivers, or other devices or tools are needed to attach this improved bracket wherever it is to be used. It contains within itself all that is requisite, and is strong, simple, and cheap; and it avoids all injury to walls, wood-work, or furniture by the driving of nails or employment of screws. The purchase or hold taken by the jaws, being of a length about equal to the breadth of such jaws admits of having short teeth, which need penetrate but little, if any, into the wood or other material to which the bracket is applied.

Another advantage growing out of my construction is, that the device may be attached to an angle of a molding, window-frame, &c., and to many other places, and to material where it would be inconvenient, if not impracticable, to attach the ordinary brackets having flat plates, and requiring to be fastened by screws to a flat surface. It can also be instantly released, and placed higher or lower, as desired, and in this respect is well adapted for supporting a lamp, either by night or day, beyond the reach of children, or to adapt it to the position or work of the person using the light.

The hinging of the jaws to the arm A permits the latter to swing upon the same to change its position, while the jaws remain clamped.

Instead of having pointed teeth, the jaws may in some cases be roughened on their clamping-faces.

I claim—

1. In combination with a bracket-arm, A, the clamping-jaws *b c*, both hinged thereon, and adapted, when in use, to clamp a vertical bar or body, and a device for tightening such jaws.

2. In combination with the bracket-arm, the toothed clamping-jaws *b c*, bolt E, and nut F, the combination being and operating substantially as shown and described.

FRANK H. ROBINSON.

Witnesses:
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