No. 779,481. PATENTED JAN. 10, 1905.

T. H. KINGSTON.

ROOF BRACKET.

APPLICATION FILED JUNE 29, 1904.

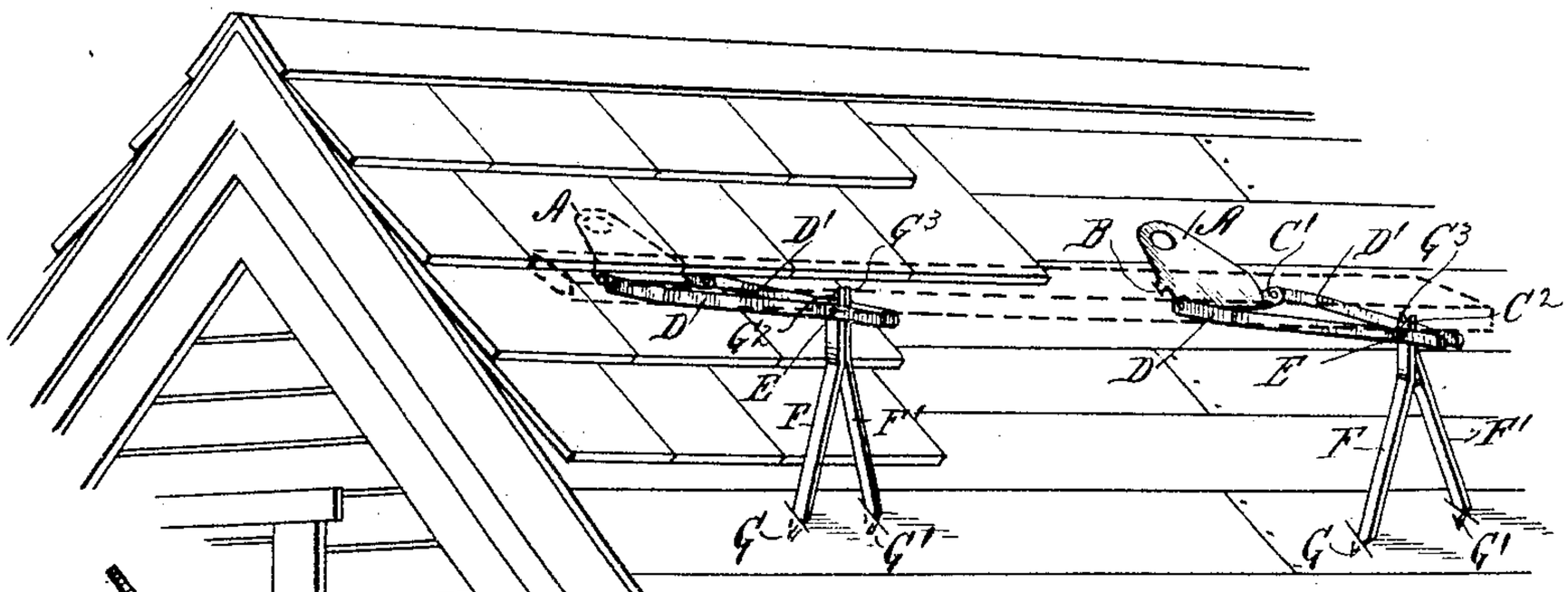


Fig. 1.

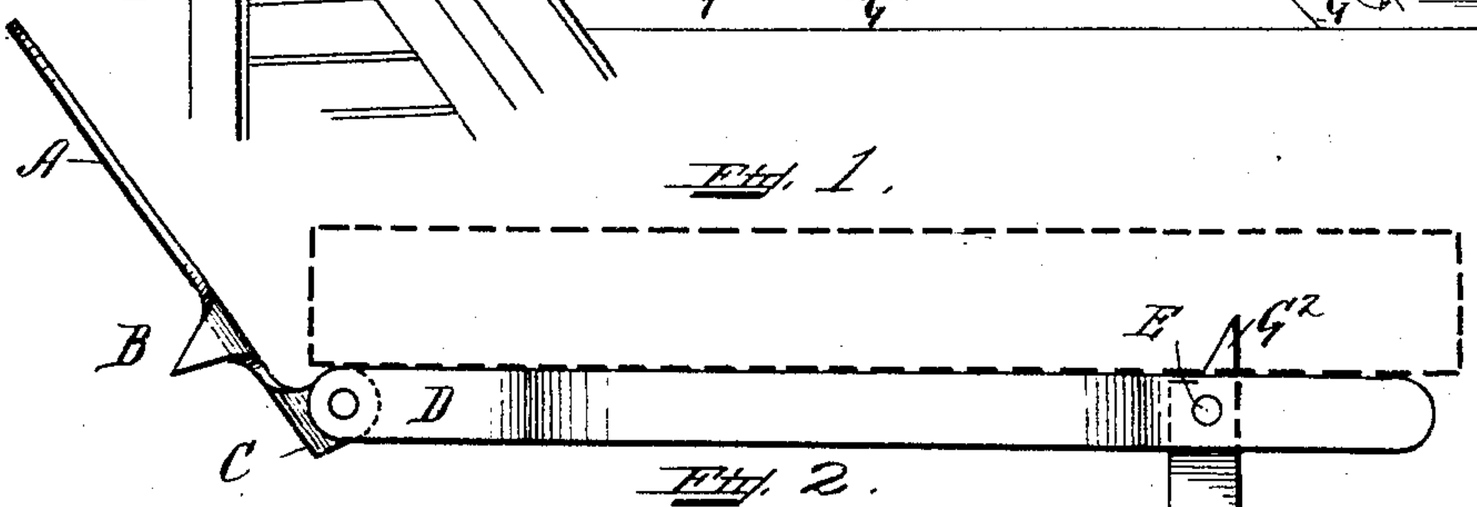


Fig. 2.

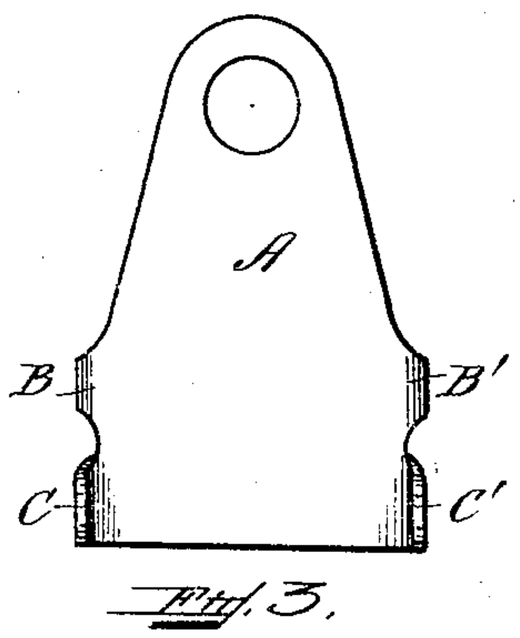
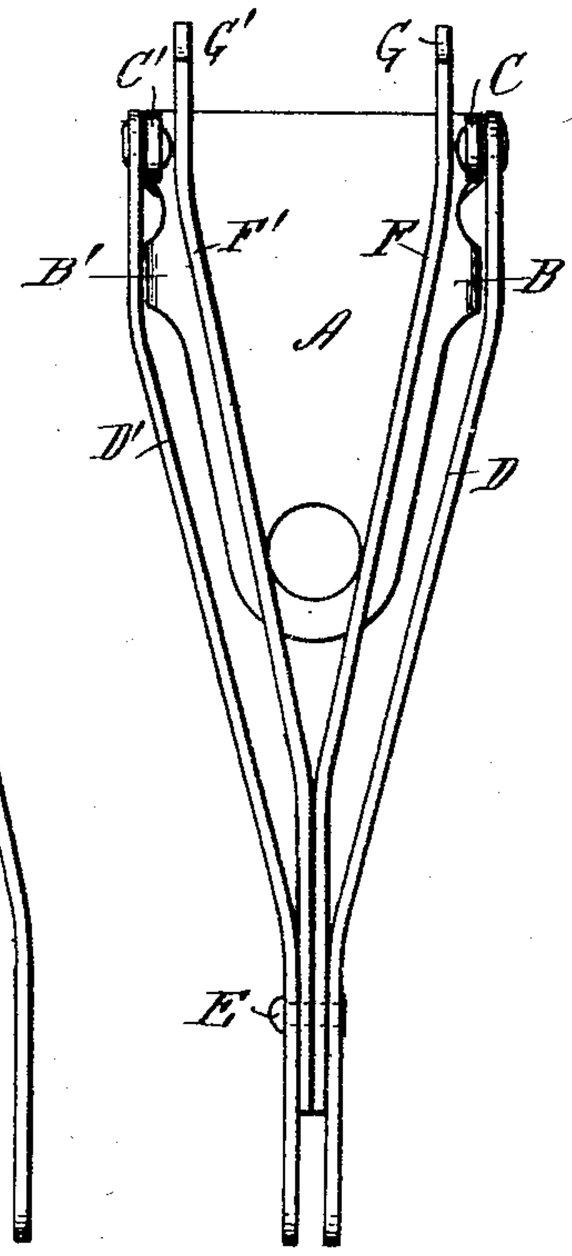


Fig. 3.

Fig. 4.



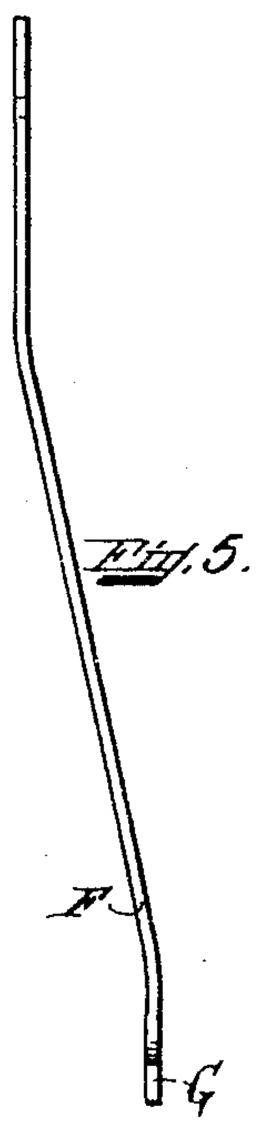


Fig. 5.

Fig. 6.

Witnesses:
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UNITED STATES PATENT OFFICE.

THOMAS HAVLOCK KINGSTON, OF SOMERVILLE, MASSACHUSETTS.

ROOF-BRACKET.

SPECIFICATION forming part of Letters Patent No. 779,481, dated January 10, 1905.

Application filed June 29, 1904. Serial No. 214,675.

To all whom it may concern:

Be it known that I, THOMAS HAVLOCK KINGSTON, a citizen of the United States, residing at Somerville, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Roof-Brackets, of which the following is a specification.

My invention relates to improvements in a folding roof-bracket for supporting a temporary stage or platform upon the roof of a building while shingling, painting, or repairing the same or doing any other work on a building which requires a temporary staging upon the roof; and the object of my improvement is to provide a light strong metallic bracket or stage-support which shall be compactly portable and conveniently, quickly, and safely attachable to and detachable from a roof, and I attain said object by means of the device hereinafter described and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective of a roof, showing two of my improved brackets as when in practical use thereon, with a dotted outline of the wooden platform supported by the brackets. Fig. 2 is a side elevation of the bracket, shown as when its parts are in their relative positions in practical use and also showing in dotted outline the end of a platform-board thereon. Fig. 3 is a plan of the bearing-shoe detached from its coöperative parts. Fig. 4 is an edge view of one of the pair of platform-arms that are pivotally attached to the shoe when the bracket is complete. Fig. 5 is an edge view of one of the pair of supports which uphold the outer ends of the platform-arms, and Fig. 6 is a top view of the bracket when the parts are united and folded into their most compact and portable form.

Referring to the drawings, the construction of the device as illustrated is as follows:

A bearing-shoe A, formed of metal, preferably sheet-steel, is cut and pressed into shape, having integral penetrating points B B′ bent downward and perforated lugs C C′ bent upward therefrom. To the lugs are pivoted a pair of arms D D′, which serve to support, in coöperation with other brackets, a board or platform resting upon the arms D D′ thereof.

When the brackets are in practical use, as illustrated in Fig. 1, the outer ends of arms D D′ are jointed by a bolt E to a pair of supports F F′, which are formed with penetrating points G G′ G^2 G^3. The points G G′ penetrate the roof to such extent as to firmly secure them against slipping and displacement, and points G^2 G^3 penetrate the wooden platform, which rests upon the bracket, and prevent slipping and displacement thereof on the arms of the bracket. The weight of the workman standing thereon forces the spur-points into the roof and platform, and not only those of the supports F F′, but also those of the bearing-shoe A, thereby confirming the stability of the staging.

This light portable folding bracket for supporting a roof-stage for the purpose of shingling, painting, or repairing the roof or doing any other kind of work on a building which requires a temporary staging upon the roof has been practically proved to be exceedingly convenient and desirable and safe in use. The supports F F′ being independently pivoted on bolt E afford an adjustment of the lower ends of the supports to adapt the bracket to slight inequalities in the surface of the roof and to thus maintain a practically level platform above the same.

I claim—

1. A folding roof-bracket, comprising the combination of the following parts, constructed, arranged and operated as described, namely: a bearing-shoe formed of sheet metal with integral penetrating points bent downward, and perforated lugs bent upward therefrom; a pair of platform-arms pivoted to said lugs, and connected by a bolt at their opposite ends; and a pair of supports for said arms arranged between, and jointed to them by said bolt, and on their ends formed with penetrating points arranged to enter, when in practical use, the roof and supported platform, all as specified.

2. A folding roof-bracket, embodying the

combination of a bearing-shoe A, provided with downward penetrating points B, B′, and perforated lugs C, C′, extending upward; a pair of arms D, D′, pivoted to said lugs and bent inwardly and connected by a bolt E; and a pair of supports F, F′, jointed to said arms by bolt E, and provided with penetrating points G, G′, G^2, G^3; all formed and arranged to fold compactly upon the shoe with the supports within the arms, as shown and described.

THOMAS HAVLOCK KINGSTON.

Witnesses:
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