A. E. TEBBETTS.

ROOF BRACKET.

APPLICATION FILED JUNE 1, 1912.

1,047,332. Patented Dec. 17, 1912.

Fig. 1.

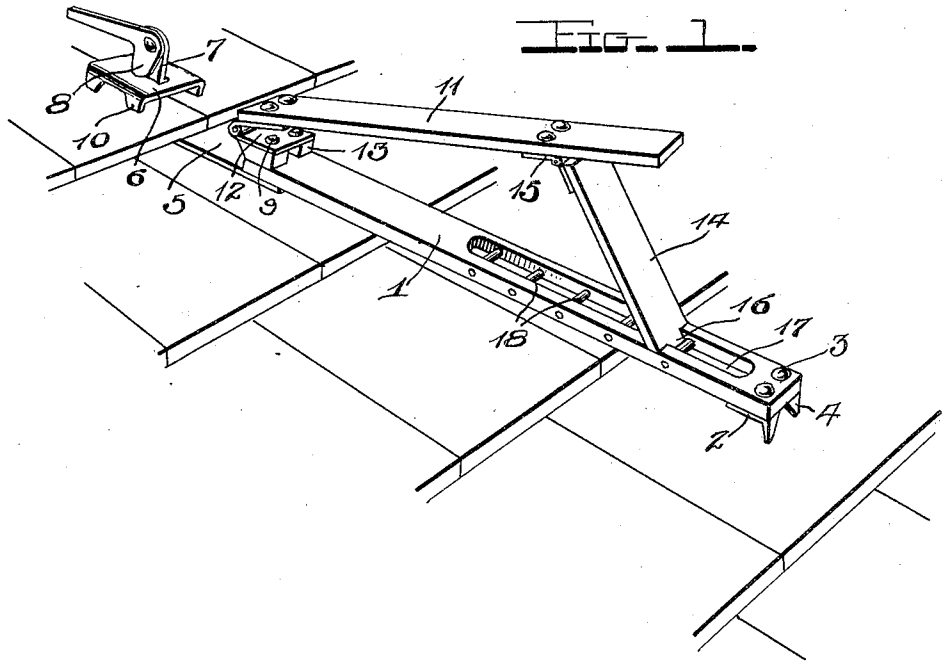
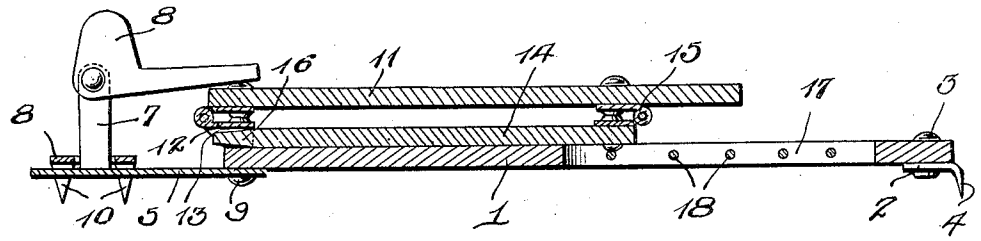


Fig. 2.



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UNITED STATES PATENT OFFICE.

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ROOF-BRACKET.

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To all whom it may concern:

Be it known that I, ARTHUR E. TEBBETTS, a citizen of the United States, residing at East Rochester, in the county of Strafford and State of New Hampshire, have invented certain new and useful Improvements in Roof-Brackets, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to certain new and useful improvements in roof brackets and has for its object to provide a bracket of this nature which may be secured to the roof without the use of bolts and which may be folded when not in use into compact form.

Another object of the invention is to provide a roof bracket which shall be simple in structure, cheap to manufacture and provided with a plurality of reinforcing members.

The invention also aims to generally improve devices of this nature and to render them more useful and commercially desirable.

With these and other objects in view as shall become apparent as the description proceeds, the invention consists in novel construction and arrangement of parts as I shall hereinafter fully describe and claim.

For a complete understanding of my invention reference is to be had to the following description and accompanying drawing, in which—

Figure 1 is a perspective view of my device applied to a shingle roof, and Fig. 2 is a longitudinal sectional view showing the bracket in its folded position.

Referring to the drawing by numerals 1 designates the base made preferably of wood and provided at one end with the transverse plate 2 secured in position by the stud bolts 3 and having downwardly extending spurs 4. Additional securing means are provided at the other end of the bar 1 comprising the longitudinally extending plate 5, the clamping plate 6, standard 7 and cam locking lever 8. The longitudinal plate 5 is secured to the base by the stud bolts 9 and is adapted to project under the shingles. The standard 7 is secured centrally and longitudinally of the plate 5 and is adapted to extend between the shingles and support the clamping plate 6 which is provided with the downwardly extending spurs 10. The cam lever 8 is pivotally secured to the upper end of the standard 7 and serves to force the locking plate 6 into engagement with the aforementioned shingles.

A supporting arm 11 is secured by the hinge 12 to the end of the base 1 and is spaced therefrom by the spaced blocks 13. The stud bolts 9 which secure the longitudinal plate 5 to the base 1 also serve to secure the blocks 13 and hinge 12 in position. A strut 14 is connected to the arm 11 by the hinge 15, said hinge permitting the strut to fold inwardly parallel to the arm. A tongue 16 is formed centrally of the free end of the strut 14 and is adapted to fit within the longitudinal slot 17 in the base 1. This slot is interrupted at intervals by the cross bars 18, said cross bars forming stops for the tongue 16 and also acting as bracing members for the weakened portion of the base 1. The plurality of cross bars 18 render it possible to support the arm 11 in a horizontal position irrespective of the inclination of the roof. When not in use the strut 7 is swung inwardly parallel to the base 1 and has its tongue 16 disposed between the spaced blocks 13, whereby the supporting arm 11 is held against lateral movement relative to the base 1, thus protecting the hinge 12 against strains due to rough handling.

From the foregoing description it will be seen that I have provided an extremely simple roof bracket which is braced at its weakened points by the stop rods 18. It will also be apparent that the transverse plate 2 and the longitudinally extending plate 5 aid in preventing the base 1 splitting as would be its tendency due to the longitudinal slot therein.

While I have shown the preferred embodiment of my invention it is to be understood that minor changes in construction and arrangement of parts may be made without departing from the scope of the invention as defined by the appended claim.

Having thus described the invention, what is claimed is:

A roof bracket, comprising a base bar, means carried upon each end of said bar whereby the same may be attached to a roof, spaced blocks positioned upon the upper face of the base bar adjacent one end thereof, a supporting arm, a hinge securing one end of said supporting arm to the tops of the spaced blocks, a strut hinged adjacent the free end of the supporting arm and provided at one end with a tongue adapted to work within a slot formed in the base bar,

said slot being interrupted at intervals whereby the supporting arm may be held at any angle to said base bar, said tongue being adapted to wedge between said spaced blocks and lock the supporting arm and strut in their folded positions parallel to the base bar.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

ARTHUR E. TEBBETTS.

Witnesses:
FRED B. PARSONS,
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