Aug. 9, 1932. W. W. BURK 1,871,154

ROOFING BRACKET

Original Filed Jan. 14, 1931 2 Sheets-Sheet 1

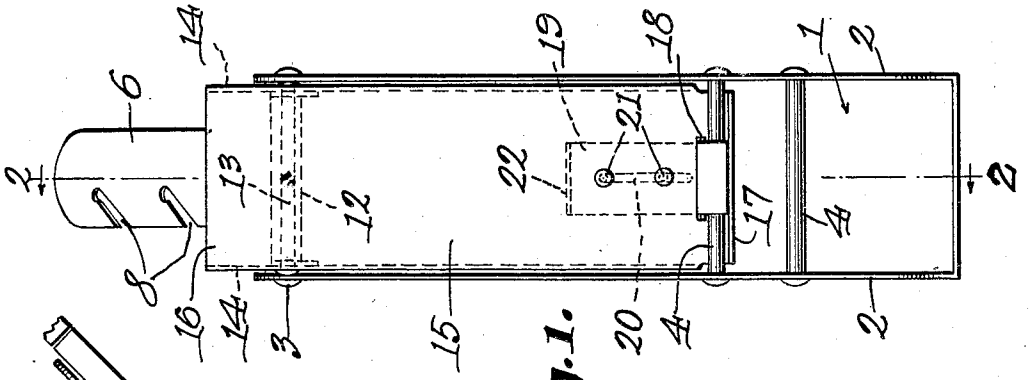


Fig. 1.

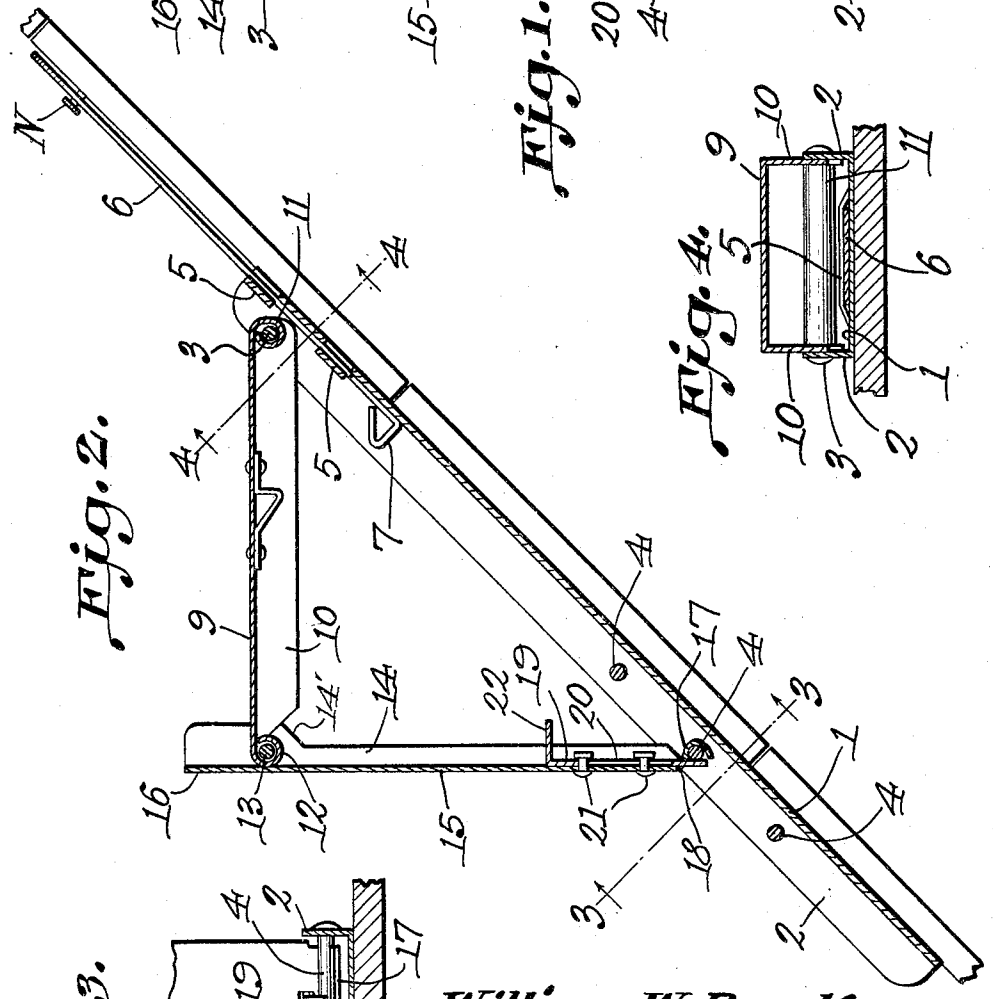


Fig. 2.



Fig. 4.

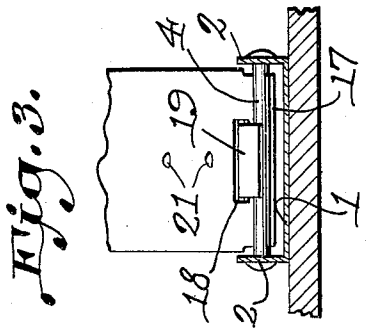


Fig. 3.

William W. Burk Inventor

By Cachow & Co.
Attorneys.

Aug. 9, 1932. W. W. BURK 1,871,154

ROOFING BRACKET

Original Filed Jan. 14, 1931 2 Sheets-Sheet 2

Fig. 5.

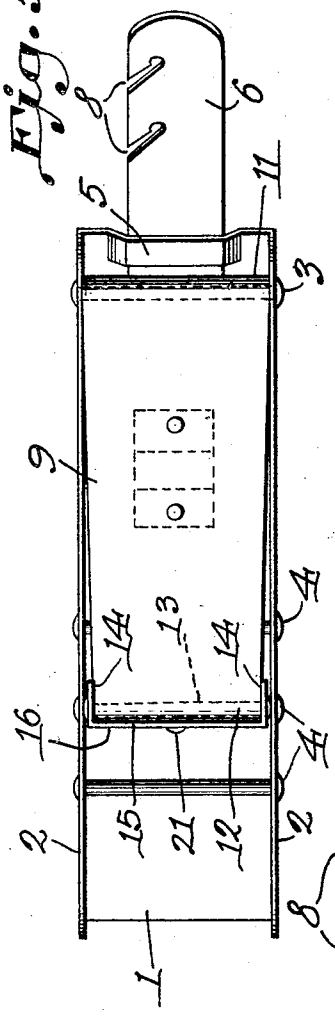


Fig. 6.

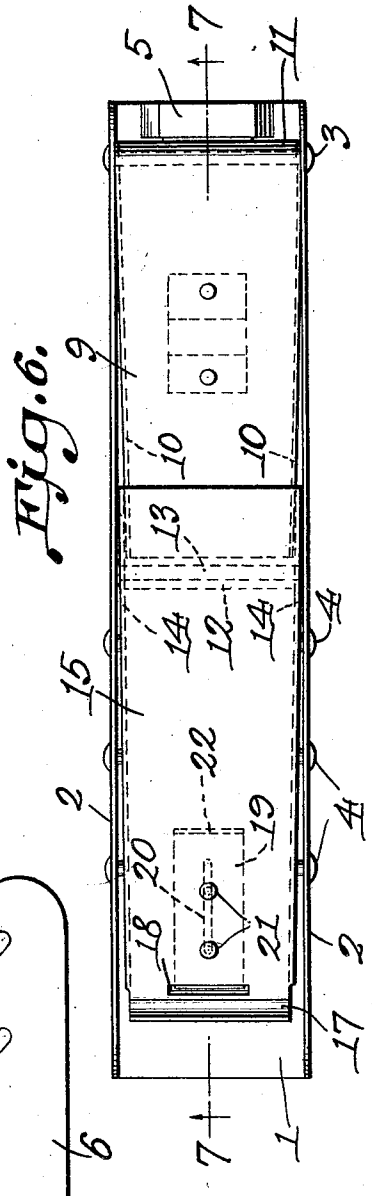


Fig. 7.

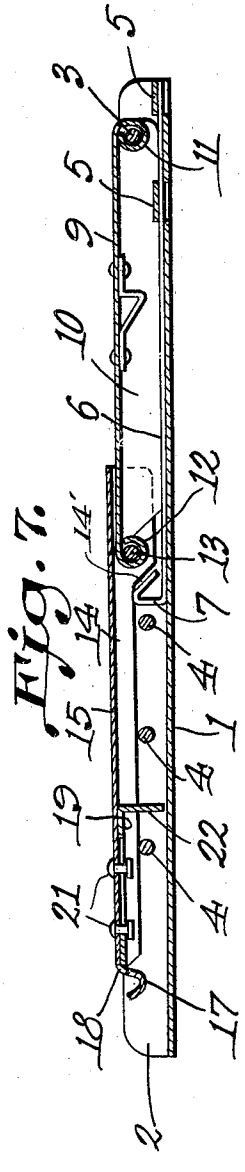
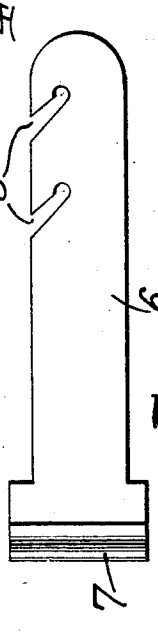


Fig. 8.



William W. Burk Inventor

By C. A. Snow & Co.

Attorneys.

Patented Aug. 9, 1932 1,871,154

# UNITED STATES PATENT OFFICE

WILLIAM W. BURK, OF FOREST, OHIO, ASSIGNOR TO JACOB F. KEMMERLING, OF CLEVELAND, OHIO

## ROOFING BRACKET

Application filed January 14, 1931, Serial No. 508,789. Renewed May 24, 1932.

This invention relates to a roofing bracket and is more especially an improvement on the structure disclosed in Patent 1,127,173 issued to W. H. Boyd on February 2, 1915.

It is an object of the invention to improve upon the means whereby the bracket is supported adjustably at a predetermined angle so that it will be capable of supporting a heavier load than has been possible heretofore.

It is also an object of the invention to provide novel means for locking the bracket in any position to which it may be adjusted, said locking means being substantially concealed and acting to hold the bracket securely in adjusted position without danger of accidental displacement.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawings, the preferred form of the invention has been shown.

In said drawings:

Figure 1 is a front elevation of the bracket set up for use.

Figure 2 is a section on line 2—2, Figure 1, the attaching slide being shown in elevation.

Figure 3 is a section on line 3—3, Figure 2.

Figure 4 is a section on line 4—4, Figure 2.

Figure 5 is a top plan view of the bracket.

Figure 6 is a plan view of the bracket folded or collapsed.

Figure 7 is a section on line 7—7, Figure 6.

Figure 8 is a detailed view of the attaching slide.

Referring to the figures by characters of reference, 1 designates the base of the bracket which consists of an elongated piece of sheet metal having longitudinal side flanges 2 forming a channel therebetween. These flanges are connected adjacent one end by a pivot pin 3 while at other points the flanges are connected by transverse supporting pins 4. These pins can be held in place by upsetting their ends or in any other manner desired.

Transverse straps 5 are struck from the base 1 adjacent to pivot pin 3 and constitute guides for an attaching or nail strip 6 formed of heavy sheet metal which is slidable along the base. Withdrawal of this strip from the guides is prevented by an offset end 7 constituting a handle by means of which the strip can be slid longitudinally relative to the base. This offset portion is adapted to engage one of the pins 4 to limit sliding movement in one direction while it engages one of the guides 5 to limit sliding movement in the opposite direction. That end of the strip 6 remote from the handle 7 has obliquely disposed slots 8 extending thereinto from one edge any one of which is adapted to engage a nail N or the like after it has been driven into a roof structure.

Pivotally mounted on the pin 3 is a plank support or platform member 9 formed of heavy sheet metal reinforced along its side edges by depending flanges 10. One end of this member is bent to provide a sleeve 11 through which pin 3 extends while the other end is bent to form a sleeve 12 through which is extended a pivot pin 13. This pivot connects side flanges 14 which extend from a support 15 formed of heavy sheet metal. Each flange 14 has an enlarged end forming a shoulder 14′ adapted to lie in the path of handle 7 when the device is collapsed, thereby to hold strip 6 against outward movement from the base 1. A portion of support 15 projects upwardly beyond the platform member 9 when the device is set up for use so as to constitute a stop 16 for preventing a plank from slipping off of the member 9.

The other end of the support 15 is offset to provide a lip 17 adapted to extend back of and embrace any one of the pins 4. A slot 18 is formed in support 15 close to the lip and has a locking plate 19 slidable in it. This locking plate is formed with a longitudinal slot 20 through which are extended guide studs 21. One end of the locking plate forms a handle 22 while the other end is

adapted to extend from slot 18 and across the pin 4 which is embraced by lip 17.

When the device is not in use the strip 6 is retracted to position between the flanges 2 and against one of the pins 4. Support 15 as well as the member 9 are extended longitudinally between said flanges so that a compact structure is thus provided as shown in Figures 6 and 7.

When it is desired to use the bracket the strip 6 is attached to a supporting surface by means of a nail extending through one of the slots 8. The members 15 and 9 are then shifted relative to each other and to the base 1 until the platform member is brought substantially to a horizontal position. The lip 17 is then locked back of and upon the adjacent pin 4 after which the locking plate 19 is allowed to gravitate to position across the pin. This will result in fastening the support 15 securely to the pin 4 so that it can not become dislodged unless plate 19 is first raised out of engagement with the pin and the support 15 subsequently moved upwardly and backwardly relative to the engaged pin 4.

Attention is directed to the fact that the lip 17 extends throughout the width of the sheet metal support 15 and bears along its full length upon the pin 4. Thus weight of the load is distributed throughout the width and not at one or two points as in structures heretofore produced. Consequently the device is rendered more durable and efficient.

As the locking plate works back of the support 15 it is practically concealed from view and there is no danger of its being accidentally struck and shifted so as to unlock the support.

What is claimed is:

1. A roofing bracket including a channeled base, cross pins connecting the sides of the base between its ends, a platform member pivotally connected to the base at one end, a support pivotally connected to the other end of the platform member, a channeled lip extending throughout the width of the support at one end and extending back of and embracing any one of the pins on the base, and means carried by the support and movable to position across the engaged pin to lock the lip in engagement with the pin.

2. A roofing bracket including a channeled base, cross pins connecting the sides of the base between its ends, a platform member pivotally connected to the base at one end, a support pivotally connected to the other end of the platform member, a channeled lip extending throughout the width of the support at one end and extending back of and embracing any one of the pins so as to bear thereon substantially throughout the length of the pin, and means carried by the support and movable across the engaged pin for locking the lip thereto.

3. A roofing bracket including a channeled base, cross pins connecting the sides of the base between its ends, a platform member pivotally connected to the base at one end, a support pivotally connected to the other end of the platform member, a channeled lip extending throughout the width of the support at one end and extending back of and embracing any one of the pins so as to bear thereon substantially throughout the length of the pin, and means carried by the support and movable across the engaged pin for locking the lip thereto, said means including a plate slidably mounted upon and substantially concealed by the support, there being a slot in the support through which the pin engaging portion of the locking plate projects.

4. The combination with a channeled base, and a nail strip slidably connected thereto and provided with a handle at one end, of a platform member pivotally connected to the base, a supporting member pivotally connected to the platform member, means for adjustably connecting the supporting member to the base, said supporting and platform members being foldable into position within and substantially parallel with the base, thereby to house the nail strip, and means carried by the support for lapping the handle portion of the nail strip to hold said strip against movement outwardly from the base when the device is collapsed.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

WILLIAM W. BURK.