

L. W. CRAMER.
FLASHING.
APPLICATION FILED JULY 23, 1920.

1,396,732.

Patented Nov. 15, 1921.
2 SHEETS—SHEET 1.

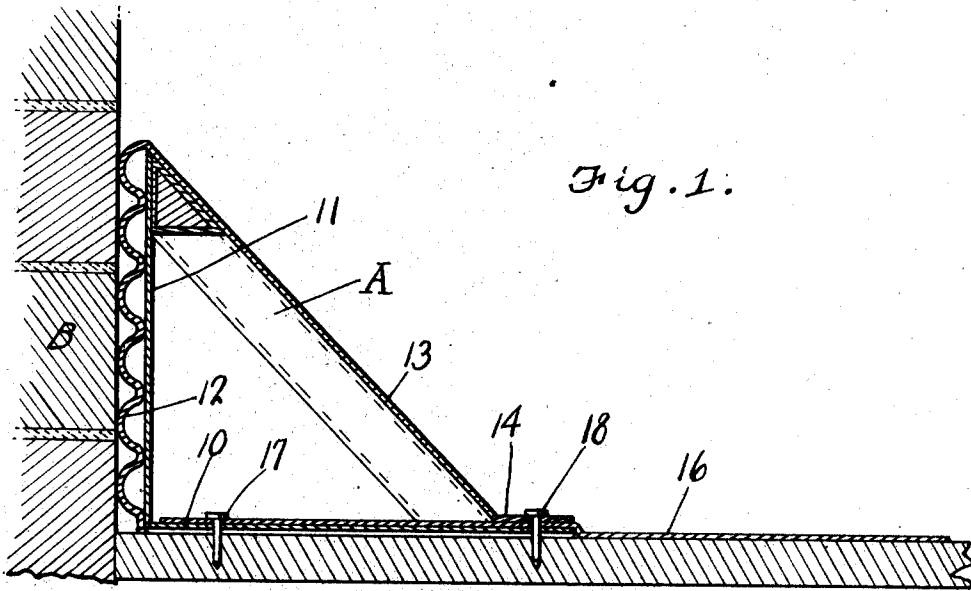


Fig. 1.

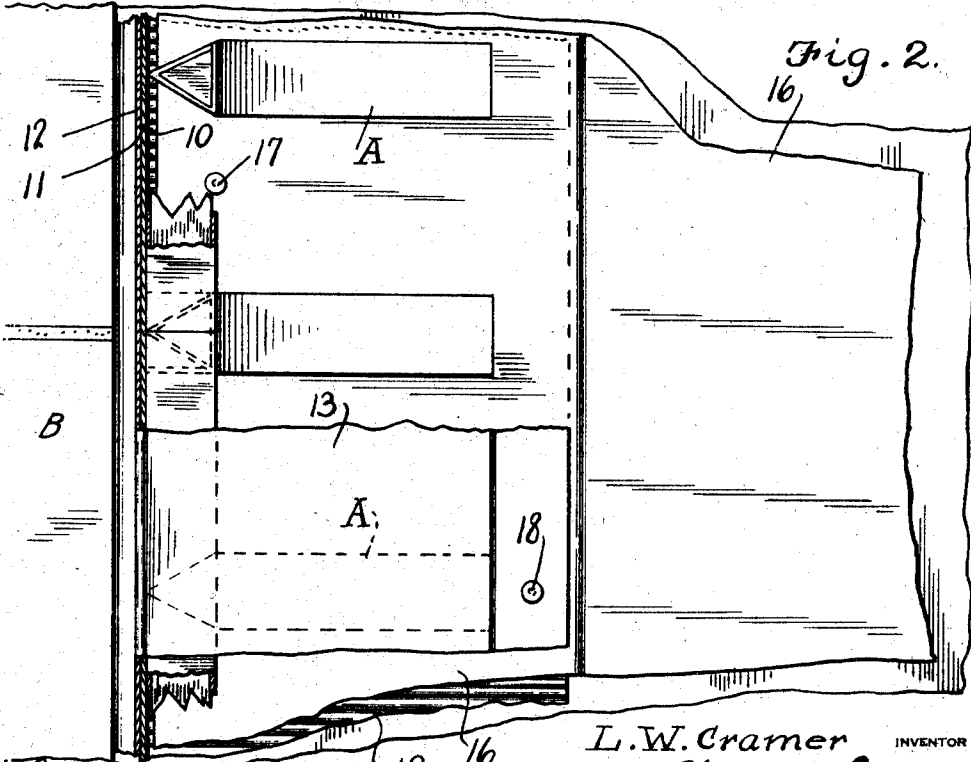


Fig. 2.

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1 2 SHEETS—SHEET 2.

Fig. 3.

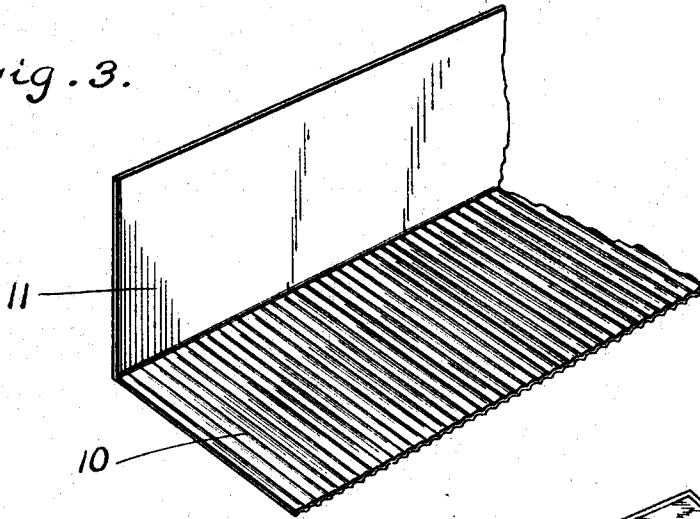


Fig. 5.

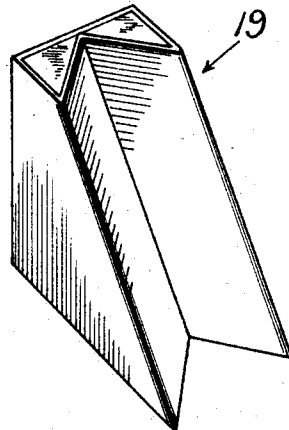


Fig. 4.

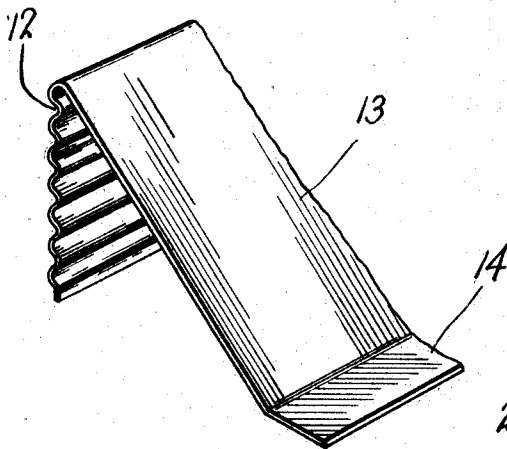
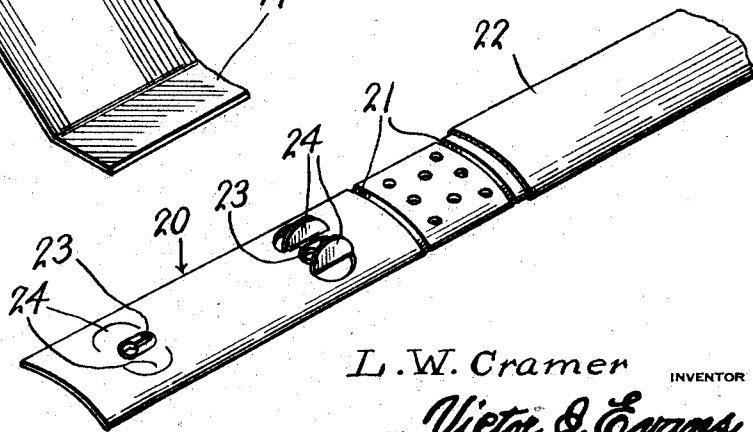


Fig. 6.



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UNITED STATES PATENT OFFICE.

LOUIS W. CRAMER, OF ST. JOSEPH, MISSOURI.

FLASHING.

1,396,732.

Specification of Letters Patent.

Patented Nov. 15, 1921.

Application filed July 23, 1920. Serial No. 398,347.

To all whom it may concern:

Be it known that I, LOUIS W. CRAMER, a citizen of the United States, residing at St. Joseph, in the county of Buchanan and State of Missouri, have invented new and useful Improvements in Flashings, of which the following is a specification.

This invention relates to flashings, and comprehends a construction designed to be effectively maintained in engagement with its support, the invention residing in the construction, combination and arrangement of parts as claimed.

One of the chief objects of the invention resides in the provision of a flashing having the vertical wall thereof roughened or corrugated to effectively adhere to the roughened wall or other support with which the flashing is associated, and also designed to provide a water-proof connection with the roofing material.

In carrying out the invention, I afford the flashing a substantially hollow triangular formation in cross section, the respective sides of the triangle being reinforced by means wholly disposed within the flashing.

Other objects of the invention will appear when the following detailed description is read in connection with the accompanying drawings, wherein like numerals of reference indicate similar parts in the several views, and wherein:

Figure 1 is a vertical sectional view taken through the flashing and showing the same in position for use.

Fig. 2 is a fragmentary top plan view of a roof showing the flashing positioned thereon.

Fig. 3 is fragmentary perspective view of one part of the flashing.

Fig. 4 is a similar view of another part of the flashing.

Fig. 5 is a detail view of one of the joint blocks.

Fig. 6 is a detail view of one of the seam coverings.

The flashing forming the subject matter of my invention in its entirety is hollow and of substantially triangular formation in cross section. While the flashing is primarily designed for use on felt, or paper prepared roofing, its general application is contemplated by the claims. The flashing may be constructed from any suitable material, but is preferably made of water proof felt of any desired thickness. The flashing

as a unit may vary in size and embodies a substantially L-shaped element as illustrated in Fig. 3, including a base 10 which is corrugated to afford this element the proper strength and rigidity, and a vertical wall 11. The flashing also embodies an element of the construction shown in Fig. 4, the element including a vertically disposed wall 12 and a downwardly inclined wall 13, the element shown in Fig. 4 receiving the L-shaped element in the manner illustrated in Fig. 1, with the lower edge of the downwardly inclined wall 13 terminating to provide a horizontally disposed portion 14 lying in the plane parallel with the base 10 and the first mentioned element. When the respective elements of the flashing are associated the wall 12 of the element shown in Fig. 4 is interposed between the support B and the wall 11 of the element shown in Fig. 3, the vertical wall 12 being corrugated to adhere to the roughened wall of the support B with which the flashing is associated. The downwardly inclined wall 13 constitutes a counter-flashing which is as a unit afforded the desired rigidity by being reinforced in any suitable manner, and as shown in this instance, reinforcing bars or elements A of substantially V-shaped formation in cross section are employed and wholly disposed within the flashing as shown. One of these bars is arranged in the angle between the vertical wall 11 and the counter-flashing 13 extends along the entire length of the flashing. These reinforcing elements or bars are arranged in the manner illustrated in Figs. 1 and 2. These bars not only tend to reinforce the flashing, but also serve to exert a pressure against the rear wall 11 and the vertical wall 12 when the flashing is associated with the support B to hold the flashing in effective engagement with the support. The reinforcing bar is arranged in the angle between the rear wall 11 and the counter-flashing 13 and is maintained in operative position within the flashing by means of a number of similarly constructed reinforcing bars which are arranged in parallelism with the counter-flashing and immediately beneath the latter as clearly shown in Fig. 2. The joint of the roofing is covered by the flashing, the roofing material overlying the base 10 of the elements shown in Fig. 3, and positioned between this base and the counter-flashing 13. The marginal edge of the roofing material 16 is secured to

the base 10 by means of fastening elements 17, and also held positioned between the parts mentioned by means of the fastening elements 18 which are driven through the lower edge of the counter-flashing, the roofing material and also through the base 10 of the elements shown in Fig. 3, joint blocks 19 of the construction illustrated in Fig. 5 may also be employed, the inside and outside angle blocks being of the same construction, and shaped to the proper angle.

In Fig. 6 I have illustrated what I term a seam covering for all kinds of felt and composition roofing which may be used if desired, this covering including a core 20 which is preferably made of perforated galvanized iron or the like with stiffening grooves 21. The element is covered with hard felt or other suitable material at 22. The key hole slots 23 are counter-sunk to receive the heads of the fastening elements, while on each side of each slot the material is cut in half circles to provide flaps 24 for covering the heads of the fastening elements, these flaps being doubled over and leaving room for the nail heads which will prevent the head from pushing through the felt when driven down.

While it is believed that from the foregoing description the nature and advantages of the invention will be readily apparent, I desire to have it understood that I do not limit myself to what is herein shown and described and that such changes may be resorted to when desired as fall within the scope of what is claimed.

What is claimed is:—

1. A flashing comprising a hollow substantially triangular construction in cross section, a reinforcing bar extended longitudinally of the flashing and arranged in the angle between the two sides thereof, and a plurality of spaced reinforcing bars ar-

ranged in parallelism with one of the sides and bearing upon the base of the flashing and against the first mentioned bar.

2. A flashing comprising a hollow substantially triangular construction in cross section and a plurality of substantially V-shaped reinforcing bars arranged longitudinally and transversely within the flashing as and for the purpose specified.

3. A flashing comprising a hollow substantially triangular construction in cross section, one wall of the flashing being corrugated, and a plurality of substantially V-shaped reinforcing bars arranged within the flashing and angularly disposed relatively for the purpose mentioned.

4. A flashing comprising a substantially L-shaped member, and a member including a vertically disposed corrugated wall arranged parallel with the upright portion of the L-shaped member, and a downwardly inclined wall constituting a counter-flashing, the roofing material being interposed between the base of the L-shaped member and the counter-flashing and secured to said parts and reinforcing elements arranged within the flashing and angularly disposed relatively for the purpose specified.

5. A flashing including interfitted angular shaped elements defining a hollow substantially triangular construction in cross section, and receiving the roofing material between the sections, and reinforcing bars arranged within the flashing and angularly disposed relatively.

6. A flashing comprising a base, a vertical wall and an inclined wall connecting the base and vertical wall to provide a substantially triangular construction in cross section, and reinforcing elements secured to the inner face of said inclined wall.

In testimony whereof I affix my signature.
LOUIS W. CRAMER.