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B. C. KRIDLER ET AL

SHINGLE LOCK CLIP

Filed Sept. 25, 1922

FIG. 1.

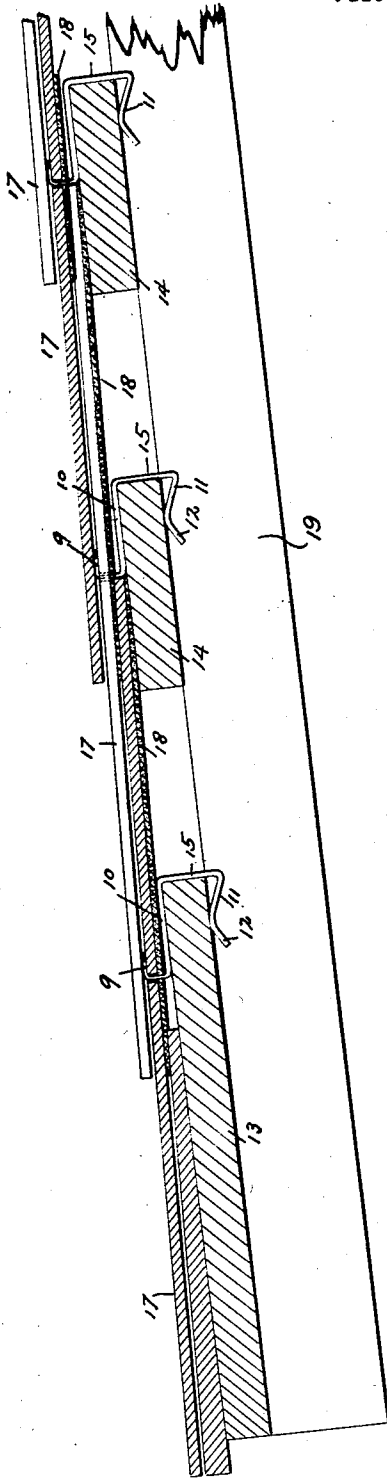


FIG. 4.

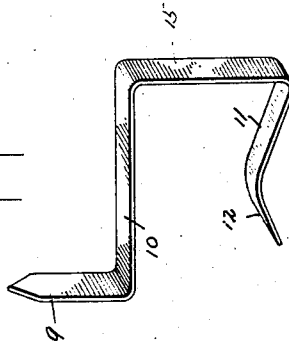


FIG. 3.

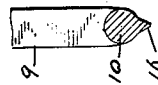
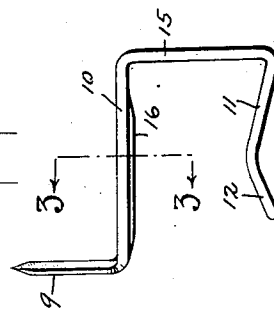


FIG. 2.



Inventor  
BERNIE C. KRIDLER.  
JAMES C. BOYLE.

By their Attorney

*Ed. Murdoch*

# UNITED STATES PATENT OFFICE.

BERNIE CHARLES KRIDLER AND JAMES C. BOYLE, OF FLINT, MICHIGAN, ASSIGNORS  
TO THE SHINGLE LOCK COMPANY, OF FLINT, MICHIGAN, A CORPORATION OF  
MICHIGAN.

## SHINGLE LOCK CLIP.

Application filed September 25, 1922. Serial No. 590,261.

*To all whom it may concern:*

Be it known that we, BERNIE C. KRIDLER and JAMES C. BOYLE, citizens of the United States, and residents of Flint, county of Genesee, State of Michigan, have invented new and useful Improvements in Shingle Lock Clips, of which the following is a specification.

Among the principal objects which the present invention has in view are: To enable the operator to place weathered paper or felt directly below the shingles with which a roof is covered while employing clips constructed and arranged in accordance with the present invention, and in a manner usual with roofing shingles; to facilitate and quicken the operation of installing shingles of the character herein described; and to cheapen the construction of the clips.

### *Drawings.*

Figure 1 is a vertical section showing a fragment of a roof equipped with shingles held by lock clips constructed and arranged in accordance with the present invention.

Figure 2 is a perspective view of one of the improved clips.

Figure 3 is a cross section on enlarged scale, the section being taken as on the line 3—3 in Fig. 2.

Figure 4 is a perspective view of a clip constructed in accordance with the modified form of the invention.

### *Description.*

As seen in the drawings, clips of the character mentioned have an upstanding piercing terminal 9, a horizontal rigid extension 10, and a resilient clip portion 11. The clip portion 11 has a downwardly turned guiding extension 12 which slips over roofing boards 13 and 14 to grip the same as shown in Fig. 1 of the drawings. The rigid body portion 10 and the resilient portion 11 are integrally constructed with the connecting portion 15.

The body portion 10 is preferably provided with a sharpened under ridge 16 which sinks into the boards 13 and 14 to prevent any dislodgment of the clips after being placed in position.

The terminals 9 pierce through such shingles as may not be provided with perforations and extend through the perforations

in such as are so provided. Whether piercing the body of the shingles or extending through perforations provided for them, the terminals 9 are bent over on to the upper surface of the shingle as shown in Figure 1 of the drawings. This is the service condition of the roof structure when using clips of the character described.

It has been found desirable when using shingles such as indicated by the numeral 17 to superpose the same in service on weather paper or felt strips 18. These strips 18 are placed over the piercing terminals 9 and pressed down thereupon prior to being passed through the perforations or body of the shingles 17. In this manner the roof covering is made weatherproof.

The clips 15 are also used as guides for the placement of the shingles 17. With this in view the furring strips or roofing boards 14 are laid crosswise of the roofing rafters 19, the upper or rear edges of the said roofing boards being spaced apart a distance equal to the exposed sections of the shingles 17. The clips are placed on the roofing boards or furring 14 immediately after same are nailed in position. The upstanding terminals 9 thereafter serve as abutments for the shingles and for the weatherproofing strips 18 which are to be placed in position.

In Figure 4 of the drawings a modified form of the clip is shown, the modification consisting in constructing the clip as a whole from ribbon-like or flat material. Clips constructed from this material have the advantage of not extending as far above the upper surface of the boards 13 and 14 but are not found to be serviceable in resisting the wind pressure tendency to lift the shingles.

### *Claims.*

1. A shingle lock clip comprising a shank adapted to lie over a roof member, an upstanding end portion on said shank adapted for piercing a shingle and being bent thereover for holding same, a depending end portion on said shank and bent upon itself to form a resilient loop for engagement under a roof member, and a roof member engaging enlargement formed on said shank for preventing lateral twisting thereof on the roof member.

2. A shingle lock clip comprising a shank adapted to lie over a roof member, an up-

- standing end portion on said shank adapted for piercing a shingle and being bent there-  
over for holding same, a depending end  
portion on said shank and bent upon itself  
5 to form a resilient loop for engagement  
under a roof member, and a spur on said  
shank for penetrating a roof member to  
anchor said shank against lateral move-  
ment.
- 10 3. A shingle lock clip comprising a shank  
adapted to lie over a roof member, an up-  
standing end portion on said shank adapted  
for piercing a shingle and being bent there-  
over for holding same, a depending end por-  
15 tion on said shank and bent upon itself to  
form a resilient loop for engagement under  
a roof member, and a longitudinal rib on  
the under face of said shank to engage a  
roof member and prevent lateral movement  
of said shank thereover. 20
4. A shingle lock clip comprising a shank  
adapted to lie over a roof member, an up-  
standing end portion on said shank adapted  
for piercing a shingle and being bent there-  
over for holding same, a depending end por-  
25 tion on said shank and bent upon itself to  
form a resilient loop for engagement under  
a roof member, a longitudinal rib on the  
under face of said shank, and sharpened  
for engagement of the rib in a roof mem-  
30 ber to prevent lateral movement of the  
shank over the roof member.

BERNIE CHARLES KRIDLER.  
JAMES C. BOYLE.