To whom it may concern:

Be it known that I, Charles Peterson, citizen of the United States, residing at Lincoln, in the county of Lincoln and State of Kansas, have invented certain new and useful Improvements in Eaves-Trough Braces, of which the following is a specification.

This invention relates to improvements in devices for bracing and supporting sheet metal gutters upon roofs, and has for one of its objects to produce a simply constructed device which may be readily applied and which securely supports and holds the gutter and without structural change in the gutter or in the construction of the roof to which it is applied.

Another object of the invention is to produce a device which may be readily adjusted to fit gutters of various sizes and heights without structural change in the device or in the gutter.

With these and other objects in view the invention consists in certain novel features of construction as hereinafter shown and described and then specifically pointed out in the claims, and in the drawings illustrative of the preferred embodiment of the invention.

Figure 1 is a perspective view of a portion of a roof including a portion of a conventional gutter with the improvement applied. Fig. 2 is a section on the line 2--2 of Fig. 1. Fig. 3 is a view of the blank from which the improved brace is constructed. Fig. 4 is a view similar to Fig. 2 illustrating a modification in the construction. Fig. 5 represents another modification in the construction with the device constructed of a single length of wire. Figs. 6 and 7 represent modified forms of gutters to which the improved device is applicable.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The improved device may be readily attached without material structural change to gutters of various forms and sizes, and is constructed in the form shown in Fig. 3 and comprises an intermediate portion 10, side portions 11, and nail receiving flanges 12. The blank is formed relatively long and pointed and with the intermediate portion 10 V-shaped and produced by bending the plate along the lines 14, the outer or pointed portion of the blank is folded upon the body of the plate along the line 16 and the folded over portion again bent to form an outwardly directed rib 17.

For the purpose of illustration a portion of the roof boarding is represented conventionally at 18, the shingles at 19, the gutter as a whole at 20 and formed with a rolled over upper edge 21, these parts being of the ordinary construction. The gutter is formed L-shaped transversely with one of the webs inserted beneath the shingles 19. The brace device is located upon the roof externally of the gutter with the rib 17 inserted within the rolled over edge 21, as shown in Fig. 2. By this arrangement the nail receiving flanges 12 bear flatly upon the roof, and by adjusting the flanges toward or away from each other the rib portion 17 may be adjusted toward and away from the roof to correspond to the height of the outer web of the gutter, and after being properly adjusted and located is secured in position by nails driven through the flanges. As many of the brace devices may be employed as required, depending somewhat upon the construction of the roof and the size of the gutter. The parts 10—11 being inclined, freely shed rain and snow and require no other fastening than the nails through the flanges. The outer pointed portion of the blank lies flat upon the intermediate portion 10 when the rolled over rim of the gutter is in the form shown in Figs. 1 and 2, but when the rolled over portion of the gutter is in the form shown in Fig. 4 the rib portion 17 of the brace is disposed against the outer lower side of the turned over portion of the gutter, and the part of the blank which extends beyond the rib is bent upwardly over the rib 17 and likewise over the outer face of the roll of the gutter.

In Figs. 6 and 7 other forms of gutter are shown with different shapes of the rolled over portion, and it is obvious that the improved device is readily adapted to all of the various forms of gutter in use by merely bending the points of the brace device to correspond thereto.

The improved device is simple in construction, can be constructed of any suitable material, but will preferably be constructed...
from the same material as the gutter, but may be of heavier material, if preferred.

In Fig. 5 the improved device is shown constructed of a single piece of wire, but including the same general construction as the form shown in Figs. 1 to 4, and producing precisely the same results.

Having thus described the invention, what I claim is:

1. A device of the class described comprising an intermediate body rolled upon itself at one end and adapted to engage an eaves trough by the overturned portions, lateral members extending from said intermediate body and adjustable laterally at their free ends to vertically adjust the intermediate body, and means adapted to connect said lateral members to a roof.

2. A device of the class described formed from a single member and including an intermediate portion having means at one end adapted to be engaged with an eaves trough, lateral portions extending from said intermediate portion and adjustable laterally at their free ends to vertically adjust the eaves trough engaging portion vertically, and means adapted to connect said lateral portions to a roof.

3. The combination with an eaves trough of a brace comprising an intermediate body having means at one end to engage said eaves trough, lateral portions extending from said intermediate body and adjustable laterally at their free ends to vertically adjust the intermediate body relative to the eaves trough, and means for connecting said lateral portions to a roof.

4. A device of the class described comprising an intermediate body having means at one end adapted to engage an eaves trough, lateral members extending from said intermediate body and adjustable laterally at their free ends to vertically adjust the intermediate body, and means adapted to connect said lateral members to a roof.

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

CHARLES PETERSON. [L. S.]

Witnesses:
ALPHA D. COLLIER,
HENRY D. GRAVES.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."