

(No Model.)

S. SILBERSTEIN.
HANGER FOR EAVES TROUGHS.

No. 524,186.

Patented Aug. 7, 1894.

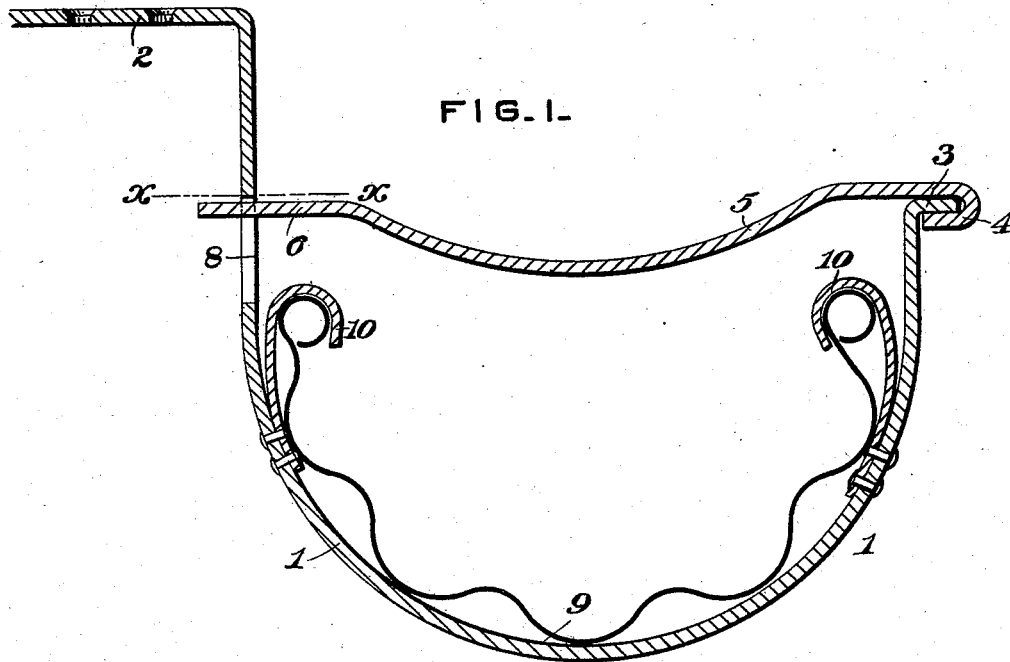
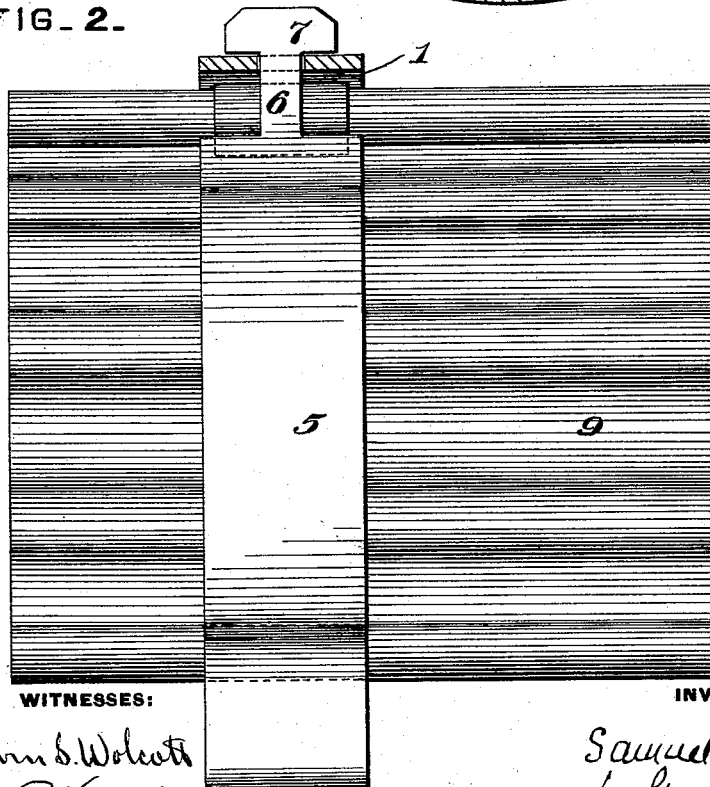


FIG. 2.



WITNESSES:

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INVENTOR,

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UNITED STATES PATENT OFFICE.

SAMUEL SILBERSTEIN, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR TO
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HANGER FOR EAVES-TROUGHS.

SPECIFICATION forming part of Letters Patent No. 524,186, dated August 7, 1894.

Application filed January 5, 1894. Serial No. 495,783. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL SILBERSTEIN, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented or discovered certain new and useful Improvements in Hangers for Eaves-Troughs, of which improvements the following is a specification.

The invention described herein relates to certain improvements in hangers for eaves troughs, and has for its object a construction of hanger which can be easily and readily applied to the roof, and which will permit of the ready arrangement of the trough in the hanger and its removal therefrom. In general terms, the invention consists in the construction and combination substantially as hereinafter described and claimed.

In the accompanying drawings forming a part of this specification, Figure 1 is a sectional elevation of my improved hanger with a trough therein, and Fig. 2 is a plan view, partly in section, the plane of section being indicated by the line *x, x*, Fig. 1.

My improved hanger consists of a metal, preferably steel, strip 1, of suitable width, bent into a U-shape, one side of the U being extended up higher than the other, and provided at the extended end with an arm 2, bent at an angle to said side and adapted to be secured to the roof. The opposite end of the hanger is provided with a lip 3, for engagement with the loop 4 formed on one end of the cross-brace 5. This cross-brace is provided at its opposite end with a stem 6, having a head 7 at its end, adapted to be passed through a slot 8 in the rear side of the hanger, and, when turned to normal position, to engage the side of the slot. The trough or gutter 9 is held within the hanger by means of clips 10, formed of flexible material and adapted to be bent over the edges of the trough, as shown in Fig. 1.

As is customary, the hanger is so secured to the roof that the edge thereof will project

slightly beyond the inner side of the hanger, so that water dripping therefrom will fall directly into the trough, and as heretofore made, the cross-brace 5 is usually straight, so that any water falling thereon will flow along said brace, and drip off of the end thereof to the ground. In order to avoid this dripping, the brace is made concavo-convex at its middle portion, the concave side being up, so that any water dripping thereon will be compelled to flow sidewise into the trough or gutter.

In using my improvement a series of hangers is secured to the roof as is customary, then the trough or gutter 9 is placed in position. The heads 7 of the cross-brace are then passed through the slot 8, the brace rotated and the lip 3 of the hanger sprung into the loop 4 of the brace, thereby affording a support for the outer side of the hanger. The clips 10 are then bent down over the edges of the trough or gutter, thereby firmly securing the same in place.

It will be readily understood from the foregoing that by bending up the clips 10 and removing the cross-brace 5, the gutter may be removed for repairs or renewal, as desired.

I claim herein as my invention—

1. A U-shaped hanger provided with a supporting arm, and having its inner side slotted, in combination with a cross-brace provided with a T-shaped head at one end and with a loop at its opposite end for engagement with a lip on the outer side of the hanger, substantially as set forth.

2. A U-shaped hanger provided with a supporting arm in combination with a removable cross-brace connecting the sides of the hanger, and flexible strips for holding the trough in position, substantially as set forth.

In testimony whereof I have hereunto set my hand.

SAMUEL SILBERSTEIN.

Witnesses:

DARWIN S. WOLCOTT,
F. E. GAITHER.