

A. KAISER.
EAVES TROUGH CLAMP.
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1,119,516.

Patented Dec. 1, 1914.

Fig. 1.

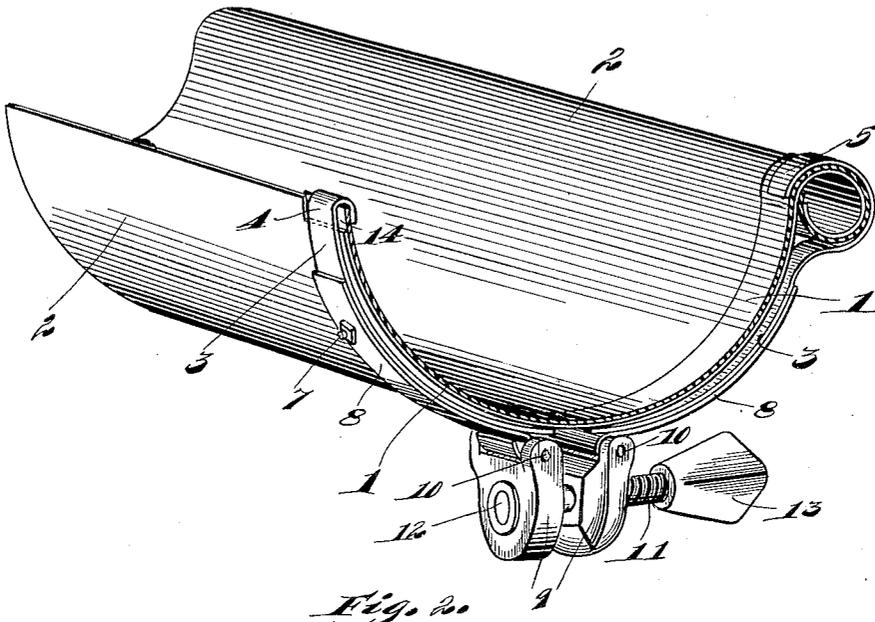
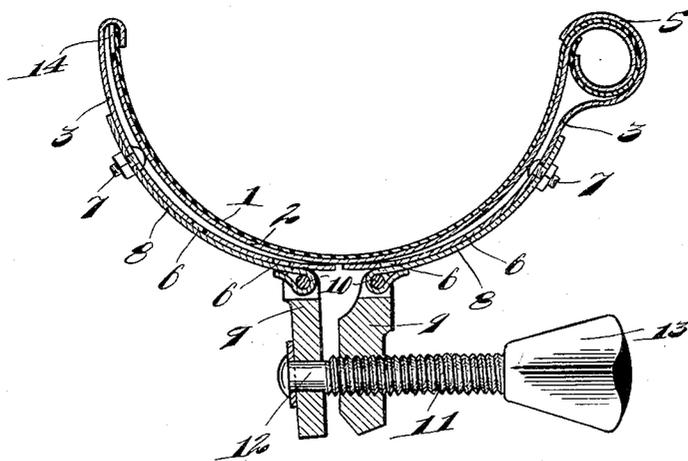


Fig. 2.



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UNITED STATES PATENT OFFICE.

ANDREW KAISER, OF DE KALB, ILLINOIS.

EAVES-TROUGH CLAMP.

1,119,516.

Specification of Letters Patent.

Patented Dec. 1, 1914.

Application filed October 4, 1913. Serial No. 793,330.

To all whom it may concern:

Be it known that I, ANDREW KAISER, a citizen of the United States, and a resident of the city of De Kalb, county of Dekalb and State of Illinois, have invented certain new and useful Improvements in Eaves-Trough Clamps, of which the following is a specification.

My invention relates to eaves trough clamps and the object of this improvement is to provide a simple and effective device for holding adjacent ends of two sections of an eaves-trough together during the process of soldering or otherwise securing said sections together.

Other objects will appear hereinafter.

The invention consists in the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawing forming a part of this specification, and in which—

Figure 1 is a view, in perspective, of two portions of an eaves-trough secured together by means of my improved clamp, and Fig. 2 is a transverse section of the same.

The preferred form of construction as illustrated in the drawing comprises an extensible clamp for securely holding the overlapping ends of two sections of an eaves-trough during the process of soldering or otherwise securing them together. This operation is usually accomplished on a building where it is difficult to hold the sections together and in order to secure these adjacent ends snugly together during the process of soldering or otherwise securing them my improved clamp holds them in contact throughout their overlapping portions.

The clamp comprises two members, each made up of a clamping jaw 3 and a supplemental jaw 8 secured together by a bolt 7 passing through registering perforations 6 therein. The jaws 3 are each provided with a plurality of perforations 6, see Fig. 2, in order to permit of adjusting each jaw 3 on its corresponding jaw 8 to adapt the clamp to be fitted on eaves-troughs of different sizes.

The adjacent ends of supplemental jaws 8 are bent forming loop eyes, and lugs are formed on ears 9 provided with perforations alining with said loop eyes. Pins 10 are secured in said lugs and loop eyes forming pivotal joints between said ears and said supplemental jaws. An adjusting screw 11 is swiveled to one of the ears 9, as at 12 substantially as indicated. The other ear 9 is threaded on the screw 11 and the screw 11 is provided with a manually operable head 13 by which said screw is operated.

When the two sections of eaves-trough and 2 have their straight edges substantially parallel or where the section 2 extends slightly beyond section 1 I find it necessary to cut a small recess in section 2 in order to permit the jaws 3 to draw the overlapping ends in close contact. This recess in section 2 is indicated at 14 in both figures.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claim.

Having described my invention what I claim as new and desire to secure by Letters Patent is:

A device of the kind described comprising two cooperating eaves-trough clamping jaws disposed in the same circle and having a space between their adjacent ends, said adjacent ends being bent forming loop eyes; two parallel ears, having two spaced perforated lugs thereon; a pin through the perforated lugs of each ear and one of said loop eyes forming a pivotal joint between such ear and such loop eye; and a screw threaded in one ear and rotatably mounted in said other ear, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ANDREW KAISER.

Witnesses:

A. G. KENNEDY,
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