(No Model.)

A. SAHLSTROM.

CAP FOR CLOSING STOVEPIPE FLUES.

No. 598,161. Patented Feb. 1, 1898.

Fig. 1.

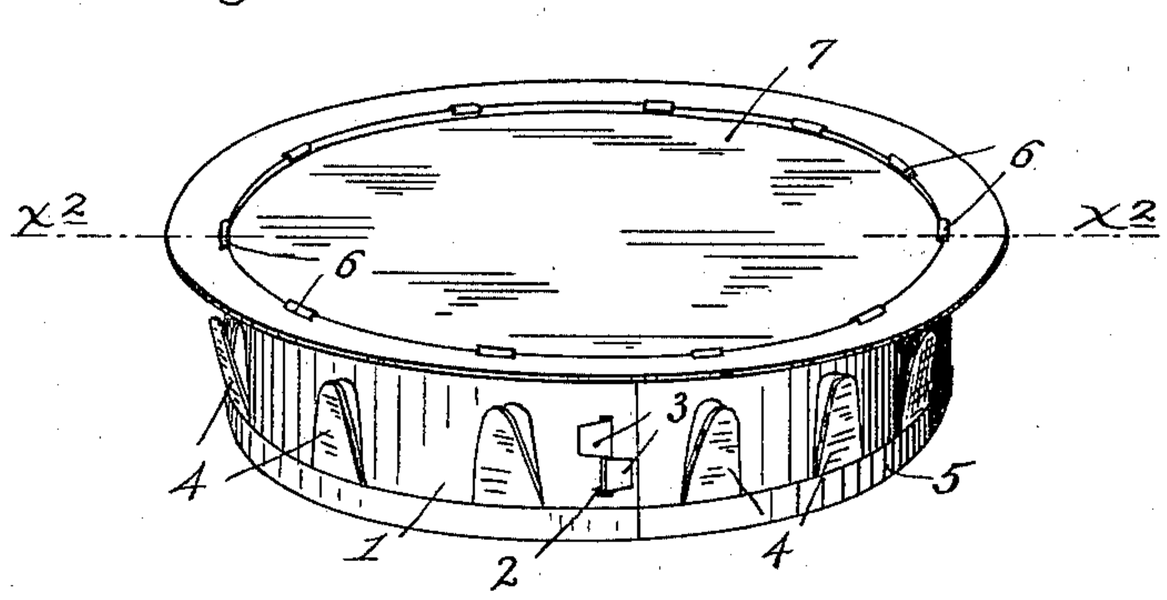


Fig. 2.

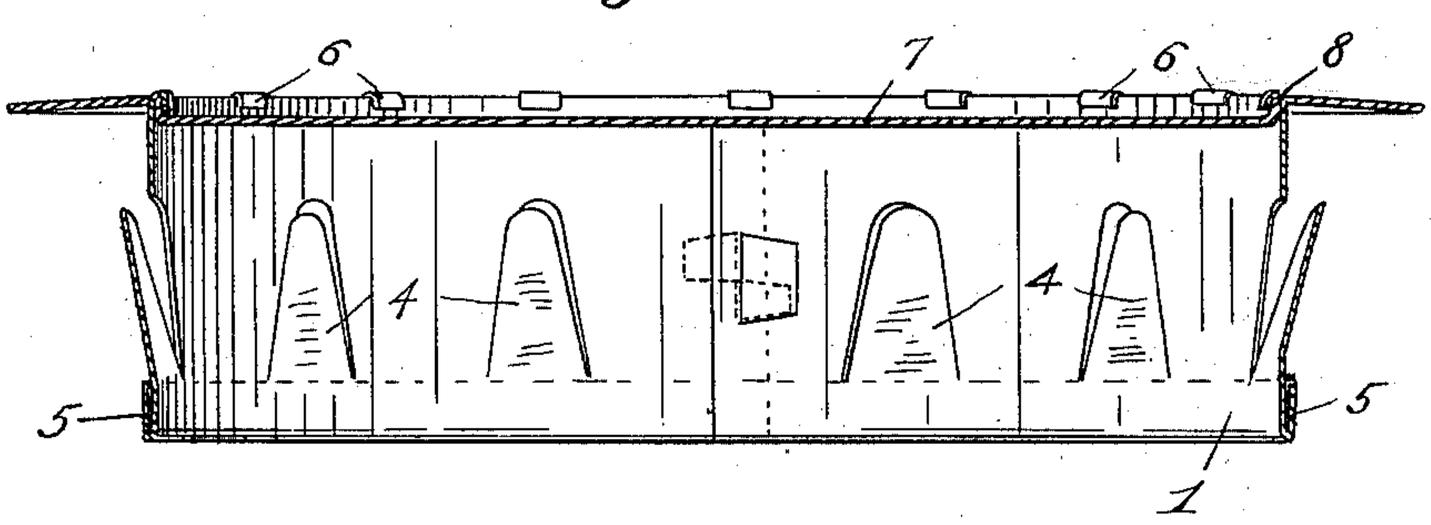
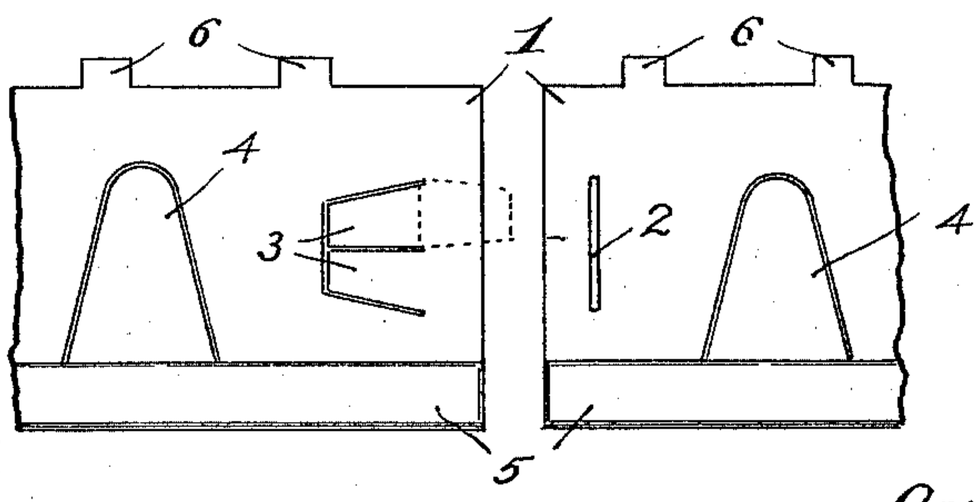


Fig. 3.



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UNITED STATES PATENT OFFICE.

AUGUST SAHLSTROM, OF MINNEAPOLIS, MINNESOTA.

CAP FOR CLOSING STOVEPIPE-FLUES.

SPECIFICATION forming part of Letters Patent No. 598,161, dated February 1, 1898.

Application filed July 23, 1897. Serial No. 645,657. (No model.)

To all whom it may concern:

Be it known that I, AUGUST SAHLSTROM, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Caps for Closing Stovepipe-Flues; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has for its especial object to provide an improved cap for closing stovepipe-flues, which cap may be put together or set up without the use of rivets or solder.

To the ends above noted my invention consists of the novel devices and combinations of devices hereinafter described, and defined in the claim.

The preferred form of my invention is illustrated in the accompanying drawings, wherein, like numerals indicating like parts throughout the several views—

Figure 1 is a perspective view of my improved flue-cap. Fig. 2 is a vertical section of the same, taken on the line X^2 X^2 of Fig. 1; and Fig. 3 is a detail view with some parts broken away, showing the end portions of the cylindrical section or flue-engaging portions of the cap.

The cylindrical body or flue-engaging portion of the flue-cap is formed by a metallic band 1, which is bent into the form of a cylinder and has its ends secured together, preferably by a slot 2, cut in one end of said band 1, and a pair of ears 3, stamped out of the other end of said band. The ears 3 when passed through the slot 2 should be bent, one in one direction and the other in the opposite direction, so as to securely hold the ends of the band together and prevent the same from being either contracted or expanded. The cylindrical section or band 1 is formed with a series of circumferentially-spaced spring-tongues 4, which, as shown, are constructed by being stamped or cut from the body of said band. These tongues 4 project outward from the cylindrical face of the band 1 and extend in such a direction that while they would permit the cap to be freely placed in working position within a stovepipe-flue they will offer a considerable resistance to the removal of the same, and hence afford ample means for holding the cap in working position. As shown, the inner end of the band 1 is turned backward on itself to form a narrow fold 5. The outer edge of the cylindrical strip 1 is provided with a series of projecting tongues or lugs 6. The outer end of the cylinder formed by said band 1 is adapted to be closed by means of a disk 7, which is provided with a circularly-arranged series of slits or perforations 8, through each of which one of the tongues 6 of the band 1 is adapted to be passed. As shown and preferred, the disk 7 is shouldered on the circular line of the perforations 8, so that that portion of the disk which is within the circle or shoulder will be offset from the outer portion of the same and within the cylindrical section 1. By thus offsetting the central portion of the disk 7 an annular shoulder is formed, against which the tongues or lugs 6 may be bent, thus giving a hook-like form to the same, which hook portions engage the cylindrical flange or portion formed on the said disk. When the tongues or projections 6 are passed through the slits or perforations 8 and then bent over, as indicated in the drawings, the cylindrical and disk-like portions of the flue-cap are securely fastened together.

From the above it will be seen that I have provided a very cheap, simple, and efficient device for the purpose had in view. The parts of the same may be stamped from blank sheets of metal. The parts may be shipped in knockdown form—that is, separated and flattened out—and when it is desired to use the parts they may be readily interlocked together to form a flue-cap ready for use in the manner above described and without the use of solder or rivets.

It is of course evident that, if desired, the flue-cap may be manufactured and supplied

to the trade set up or ready for use. In this case the parts may, if desired, be soldered together to give them additional rigidity.

What I claim, and desire to secure by Letters Patent of the United States, is as follows:

A flue-cap, involving the annular band 1, provided with the series of tongues or ears 6, and the disk 7 with the coöperating series of tongues or ear-receiving slits 8, which disk 7 is shouldered approximately in line with said slits 8 to throw the central portion thereof inward and afford a cylindrical flange or rim with which said ear or tongue 6 may engage when bent, substantially as described.

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

AUGUST SAHLSTROM.

Witnesses:

LILLIAN C. ELMORE,

F. D. MERCHANT.