

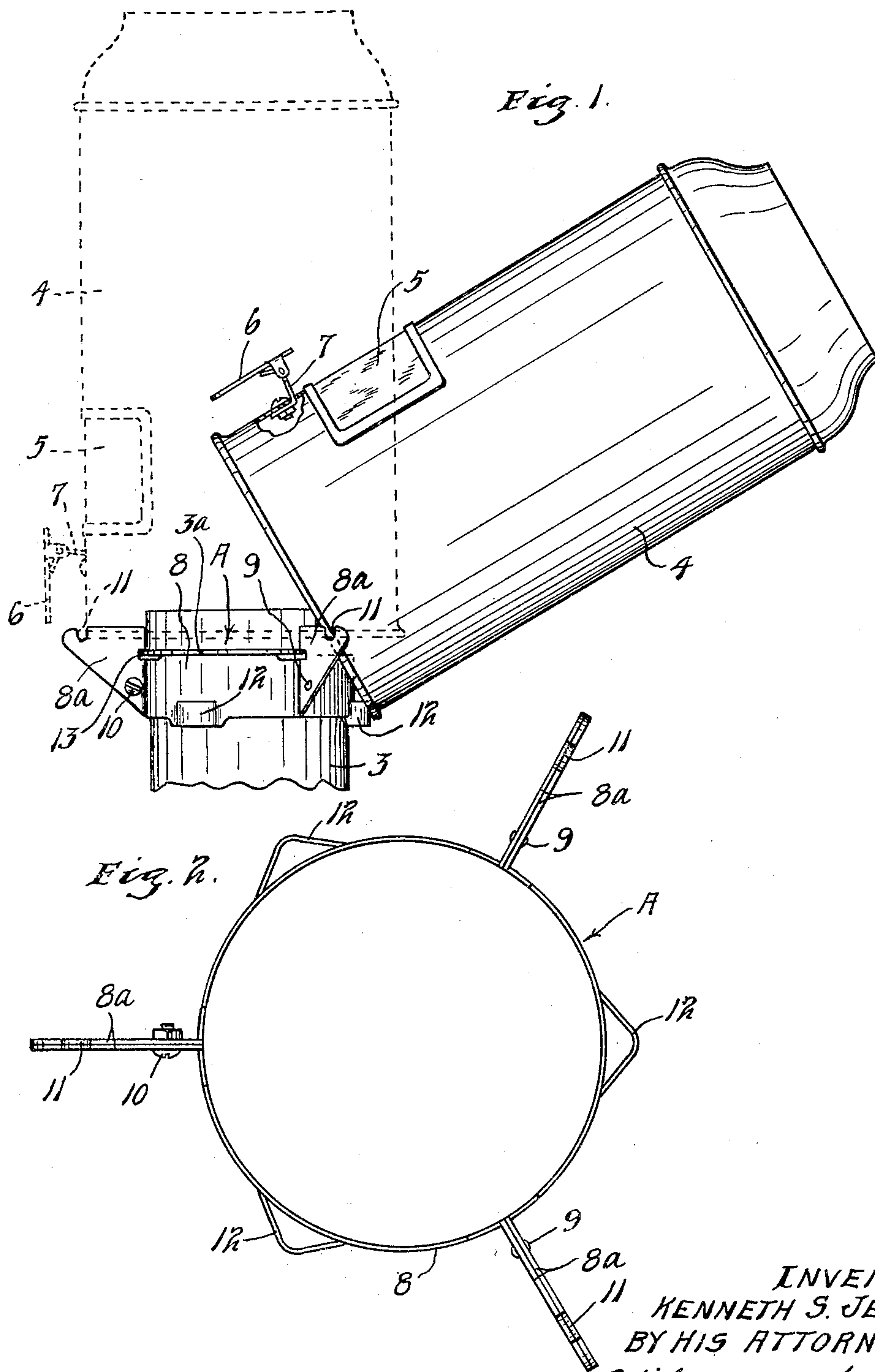
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CHIMNEY HANGER FOR BURNERS

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CHIMNEY HANGER FOR BURNERS

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This invention relates to chimney hangers for use in connection with the burners of kerosene stoves and the like.

It is the main object of this invention to provide a novel and improved chimney hanger of cheap and simple construction which may be used to support a chimney for a kerosene burner over the burner and at the same time it will permit the chimney to be tipped to such a position that access may be had to the burner as for lighting or for trimming of a wick, without removal of the chimney from the hanger.

To this end, generally stated, the invention consists in the novel parts and novel combinations of parts hereinafter defined in the claims and described in the following specification, made in connection with the accompanying drawing, wherein like reference characters refer to the same or similar parts throughout the various views, and, in which,

Fig. 1 is a view in side elevation of a hanger, showing the same applied to the burner of a kerosene stove and illustrating by full and dotted lines respectively a chimney supported by the hanger in two different positions; and

Fig. 2 is a plan view of the hanger detached.

Referring to the drawing there is illustrated the upper cylindrical portion of a kerosene burner 3, such as is used in connection with a kerosene stove. This burner 3 has a rib 3a adjacent its upper end and may include the usual annular wick (not illustrated) and means for raising and lowering the wick (also not illustrated). For use with the burner 3 there is provided a hollow cylindrical chimney 4 which may be of any suitable construction, but which preferably will be provided with a window 5 and a handle 6 which may be pivoted to a bracket 7 secured to the chimney, so that the chimney may be readily tipped.

The chimney hanger of the present invention consists of an annular band or ring A which will be preferably constructed from three sections 8. Each section 8 includes an arcuate intermediate portion and two out-

wardly projecting ends 8a which are respectively brought into abutment with adjoining ends 8a of adjacent sections to form arms which project radially outwardly relative to the center of the clamping band at circumferentially spaced points from the annulus formed by the intermediate portions of the different sections. The ends 8a forming two of the arms may be conveniently secured together as by rivets 9 while the ends 8a forming the remaining arm may be releasably secured together as by means of a nutted bolt 10. Notches 11 are cut in the upper surfaces of the arms formed by the ends 8a to receive the lower beaded end of the chimney 4 for which the hanger is adapted. The intermediate portions of the sections 8 are pressed outwardly at their lower edges midway between the ends 8a to form stops 12 of angular shape in horizontal cross section and these stops are so located that they will be disposed in the path of swinging movement of the chimney 4 as it is tipped downwardly about lines taken through any two notches 11 as axes.

To apply the hanger A to a burner such as the burner 3, the nutted bolt 10 is loosened slightly whereupon the ring will be slipped over the upper end of the burner to permit reception of the rib 3a within inner notches 13 formed in the ends 8a and the nutted bolt will then be tightened to firmly clamp the hanger in position on the burner. The chimney 4 may then be placed on the hanger so that the lower edge of the chimney is received at spaced points within the notches 11 and the chimney rests on the arms formed by the ends 8a. The chimney will then be disposed as shown in dotted lines Fig. 1, in operative position for use with the burner. When it is desired to gain access to the interior of the burner as for lighting the wick or for trimming the same, it is only necessary that the handle 6 be grasped and that the chimney 4 be tipped downwardly about a line taken through any two of the notches 11 as an axis. As this is done, the lower edge of the chimney 4 will strike one of the stops 12 and the stop will act to limit the downward tipping movement and at the same

time it will act as a third point support for the chimney to retain the same in tipped relation as shown in full lines Fig. 1. It will be seen that access may be readily had to the interior of the burner without necessitating removal of the chimney from the hanger or without necessitating the use of means for vertically raising the chimney from the hanger.

The hanger of the present invention has been successfully demonstrated in actual practice.

It will, of course, be understood that various changes may be made in the form, details, arrangement and proportions of the various parts without departing from the scope of the present invention. It will be seen that it would be a simple matter within the scope of the invention to form the ring A from a single strip of material instead of making the same in three sections.

What is claimed is:—

1. The combination with a kerosene burner and a chimney therefor, of a chimney hanger comprising a band encircling the burner adjacent its upper end, three arms attached to and projecting outwardly from said band at circumferentially spaced points, said arms having notches cut therein on their upper surfaces within which the lower edge of the chimney may be received and to permit tipping movement of the chimney on a line taken through any two notches as an axis, and stops secured to said band between said arms for limiting the tipping movement of the chimney and acting as third point supports for the chimney when tipped.

2. The combination with a burner and a chimney therefor, of a chimney hanger comprising a member encircling the chimney, arms projecting outwardly from said member at circumferentially spaced points, said arms having notches cut in their upper surfaces and normally receiving the lower edge of said chimney and stops projecting outwardly from said member intermediate said arms and against which the portion of the chimney intermediate points on the chimney resting against said notches may strike to limit tipping movement of the chimney about an axis taken through two of said notches.

3. The combination with a burner and a chimney therefor, of a chimney hanger comprising a member encircling said burner, three radial arms projecting outwardly from said member at spaced circumferential points, said arms having notches cut in their upper surfaces within which the lower edge of said chimney normally rests and about an axis taken through any two of which notches the chimney may be tipped, and members disposed below said notches between said arms and in position to be struck

by the chimney as it is tipped to limit the tipping movement and to serve as third point supports for the chimney when in tipped relation.

4. The combination with a burner and a chimney therefor, of a chimney hanger comprising a clamping band applied to said burner, said band being made of three sections having outwardly projecting arms secured thereto, the arms forming the ends of the several sections, said arms having notches cut in their upper surfaces and normally receiving the lower end of said chimney to permit tipping movement of the same about a line taken through two of said notches as an axis, said band having an outwardly projecting stop portion between a pair of said arms, so located as to be disposed in the path of tipping movement of the chimney and acting as a third point support for the chimney when in tipped relation.

5. The combination with a burner and a chimney therefor, of a chimney hanger comprising an encircling member applied about the burner, arms projecting outwardly from said member at circumferentially spaced points, said arms having notches cut at their upper surfaces within which the lower edge of the chimney is normally received and a stop projecting outwardly between two of said arms to stand in the path of tipping movement of the chimney as it is tipped on an axis running between two of said notches and also acting as a third point support for the chimney when in tipped relation.

In testimony whereof I affix by signature.
KENNETH S. JENSON.

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