(No Model.)

C. E. DURYEA.

VESSEL HOLDER OR SUPPORT FOR LAMP STOVES.

No. 452,897. Patented May 26, 1891.

Fig. 1.

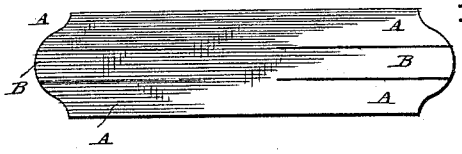


Fig. 2.

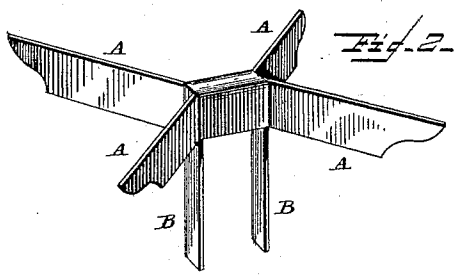
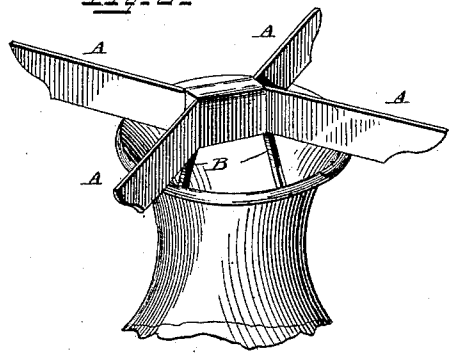


Fig. 3.



WITNESSES

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CHARLES E. DURYEA, OF WASHINGTON, DISTRICT OF COLUMBIA.

VESSEL HOLDER OR SUPPORT FOR LAMP-STOVES.

SPECIFICATION forming part of Letters Patent No. 452,897, dated May 26, 1891.

Application filed April 9, 1887. Serial No. 234,321. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. DURYEA, of Washington, in the District of Columbia, have invented certain new and useful Improvements in Vessel Holders or Supports for Lamp-Stoves, of which the following is a full description.

The object of my invention is to provide a simple, portable, and cheap stove for use in the sick-room, the nursery, and the kitchen for preparing drinks, gruels, and other light work, and in the shop for warming glue or any work requiring a small steady heat. I attain this object by providing a device for supporting the vessels or other articles to be heated upon the top of the globe or chimney of any ordinary kerosene-lamp or gas-burner.

In the accompanying drawings, Figure 1 is a plan of the holder as cut from the sheet metal. Fig. 2 is a perspective of the holder when completed. Fig. 3 shows Fig. 2 as applied to the top of a chimney such as is usually used on kerosene-lamps.

The holder is a piece of sheet-tin, brass, iron, or other metal that will not easily be affected by heat, so cut as to have four arms, two at each end, and two legs, one at each end between the arms, all being joined together by a part of the metal remaining uncut at the center. The arms are of such length that they will support vessels of reasonable size, and of such width that a vessel placed upon them will not be close enough to the chimney to seriously affect the draft.

In Fig. 1 the arms are shown at A A A A, the legs at B B. The legs are placed between the arms for convenience in bending and to prevent waste of metal in cutting. Otherwise they could be placed on the sides in a position either parallel or perpendicular to their present position. More than two legs could be provided and arranged to grip the chimney by passing outside of it; but two are sufficient if arranged for use, as shown. Having the sheet metal cut, as shown in Fig. 1, the holder is finished by bending as follows: Hold it horizontal and bend the arms up to half a right angle, bend the legs down to a right angle, and finish by bending the sides down to a right angle, or until they are stopped by the legs. This latter movement causes the ends of the arms to describe a quadrant and brings all their inner and outer edges into the same upper and lower planes respectively. The holder is then finished and has the shape shown in Fig. 2. When wanted for use, it is placed on the upper end of the chimney with its legs extending downward inside the chimney. Should the internal diameter of the chimney be greater than the distance between the legs, I spread the legs apart until their ends bear against opposite sides of the chimney, as shown in Fig. 3. This will cause the holder to rest firmly upon the top of the chimney. Should the chimney have serrated or rose top, I bend the arms one way or the other till they all drop into the depressions, where they will rest as firmly as upon a smooth-top chimney. The arms should be of such width that when resting in the depressions they will support the article high enough above the chimney to not affect the draft. The lower outer corners of the arms are trimmed off, as shown, for the purpose of improving the appearance. This makes the lower edges of the arms shorter than the upper edges; but if the globe be of such size that the lower edges will not rest upon it the legs of the holder may be bent upward instead of downward and the holder then used bottom side up.

If very thin metal is used, the arms and legs may be corrugated lengthwise, which will improve their appearance and tend to prevent accidental bending.

I claim—

An attachment for lamps, made of a single piece of metal comprising a central body portion, two or more legs extending therefrom and adapted to be inserted into the top of the lamp-chimney and press against the sides thereof, and three or more arms extending from the central portion in a plane substantially perpendicular to the plane of the legs and adapted to rest upon the top of the chimney and support a vessel slightly above the top of the said chimney, substantially as shown and described.

Witness my hand.

CHARLES E. DURYEA.

Witnesses:
GEO. A. MCLAUGHLIN,
W. H. FISKE.