

(No Model.)

W. T. ROSS.
ATTACHMENT FOR BURNERS.

No. 568,703.

Patented Sept. 29, 1896.

Fig. 1

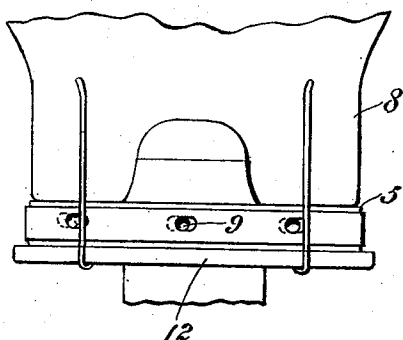


Fig. 2

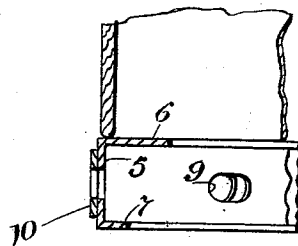


Fig. 3

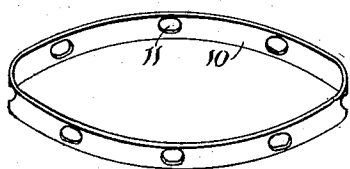
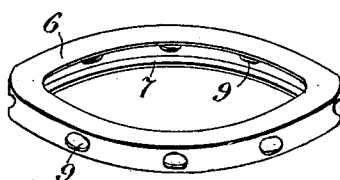


Fig. 4



Witnesses

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WALTER T. ROSS, OF MONTREAL, CANADA.

ATTACHMENT FOR BURNERS.

SPECIFICATION forming part of Letters Patent No. 568,703, dated September 29, 1896.

Application filed December 12, 1895. Serial No. 571,942. (No model.)

To all whom it may concern:

Be it known that I, WALTER TYLER ROSS, of the city of Montreal, in the district of Montreal and Province of Quebec, Canada, have invented certain new and useful Improvements in Attachments for Burners; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention has for its object to provide a simple and effective article adapted to be cheaply manufactured and sold to householders using lamps of any of the well-known description having removable glass chimneys or globes, such article intended to be set in place beneath the lamp-chimney to furnish to the flame inclosed thereby an evenly-distributed supply of pure air in addition to and at a point above the usual supply of air through the burner proper. The article is in the form of a ring provided with ventilating-openings therethrough, and this ring is, as before mentioned, adapted to be set in place beneath the chimney, and with the latter, of course, removably resting upon same. For full comprehension, however, of my invention reference must be had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a side elevation of a portion of a burner of an ordinary coal-oil lamp with my improved detachable air-supplying ring and the lower portion of an ordinary chimney resting thereon, but not in any way attached thereto; Fig. 2, an enlarged transverse vertical section thereof. Fig. 3 is a detail perspective view of the outer ring, and Fig. 4 is a detail perspective view of the ring proper removed from the lamp.

The detachable air-supplying ring, constructed in the cheap and simple fashion hereinafter described, is capable of ready application to any of the usual lamps in use, since all that is necessary in using same is to remove the chimney, place the ring in position so as to rest loosely upon ordinary chimney-gallery of the burner, and replace the chimney, which will, of course, now be loosely supported on the ring instead of on the burner, as formerly.

The ring 5 is preferably formed with inwardly-projecting flanges 6 7 at its top and bottom edges, respectively, the upper one, 6, being wider than the lower one in order to provide a surface upon which the chimney 8

may be supported, and between such edges 55 the openings 9, preferably of oval outline, are formed in the body of the ring.

If desired, an outer ring 10, having openings 11 corresponding to the opening in ring 5, may be used, as shown in Fig. 2, and is preferably 60 slightly larger than such ring 5 in order that it may be set around same and held thereon by friction only.

My detachable air-supplying ring is first set in place upon the burner 12, when the wick 65 can be ignited, the chimney set in place upon the ring, and the lamp be ready for use.

The device constitutes a cheap and simple article, which can be sold separately by lamp-dealers for detachable application to almost 70 every existing form of lamp without in any way altering their construction, and the result of its use is noticeable in a striking increase in the illuminating power of the lamp.

What I claim is as follows:

1. As a new article of manufacture, a lamp-ventilator consisting of a ring cut away in part to provide air-inlets, adapted to be detachably interposed between the burner proper of a lamp and the chimney thereof and to rest 80 loosely on the ordinary chimney-gallery of the burner, and upon the upper edge of which ring the chimney can rest loosely, for the purpose set forth.

2. As a new article of manufacture, a portable lamp-ventilator consisting of a perforated ring having a flange on its upper edge, adapted to be detachably interposed between the burner proper of a lamp and the chimney thereof and rest loosely on the ordinary chimney-gallery of the burner and to extend above the usual ventilated surface thereof and loosely support the chimney, for the purpose set forth.

3. In a lamp, the combination with the burner and the chimney or the like thereof, of a portable air-supplying device consisting of a ring provided with inwardly-projecting flanges at its upper and lower edges and such ring having openings therethrough between 100 such flanges, and the whole removably located intermediate of such burner and chimney, for the purpose set forth.

Montreal, December 9, 1895.

WALTER T. ROSS.

In presence of—

FRED. J. SEARS,
R. A. C. KIMBER.