

(No Model.)

M. M. JOSLYN.

SOOT COLLECTOR FOR GASOLINE STOVES.

No. 378,508.

Patented Feb. 28, 1888.

Fig. 1.

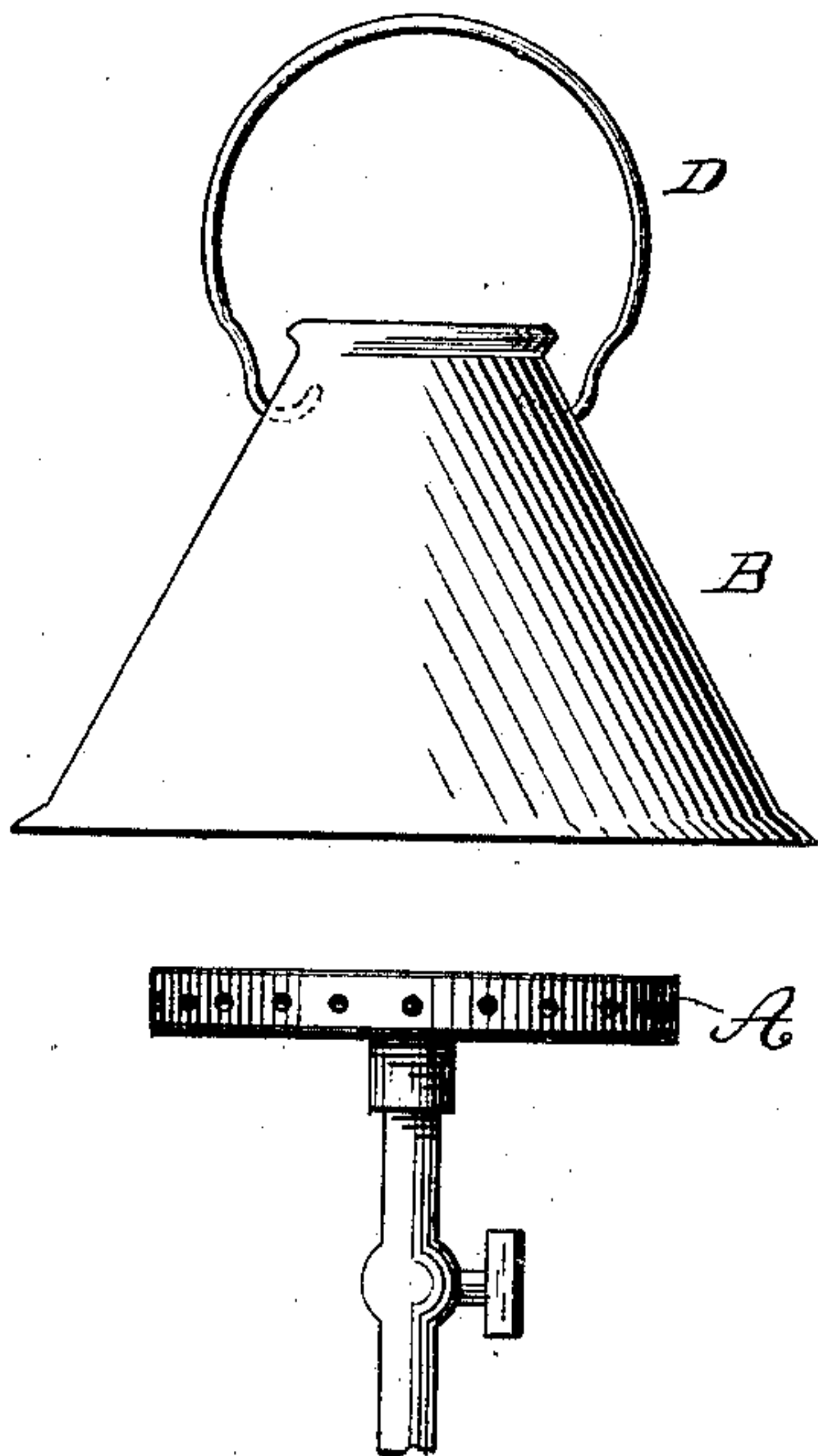
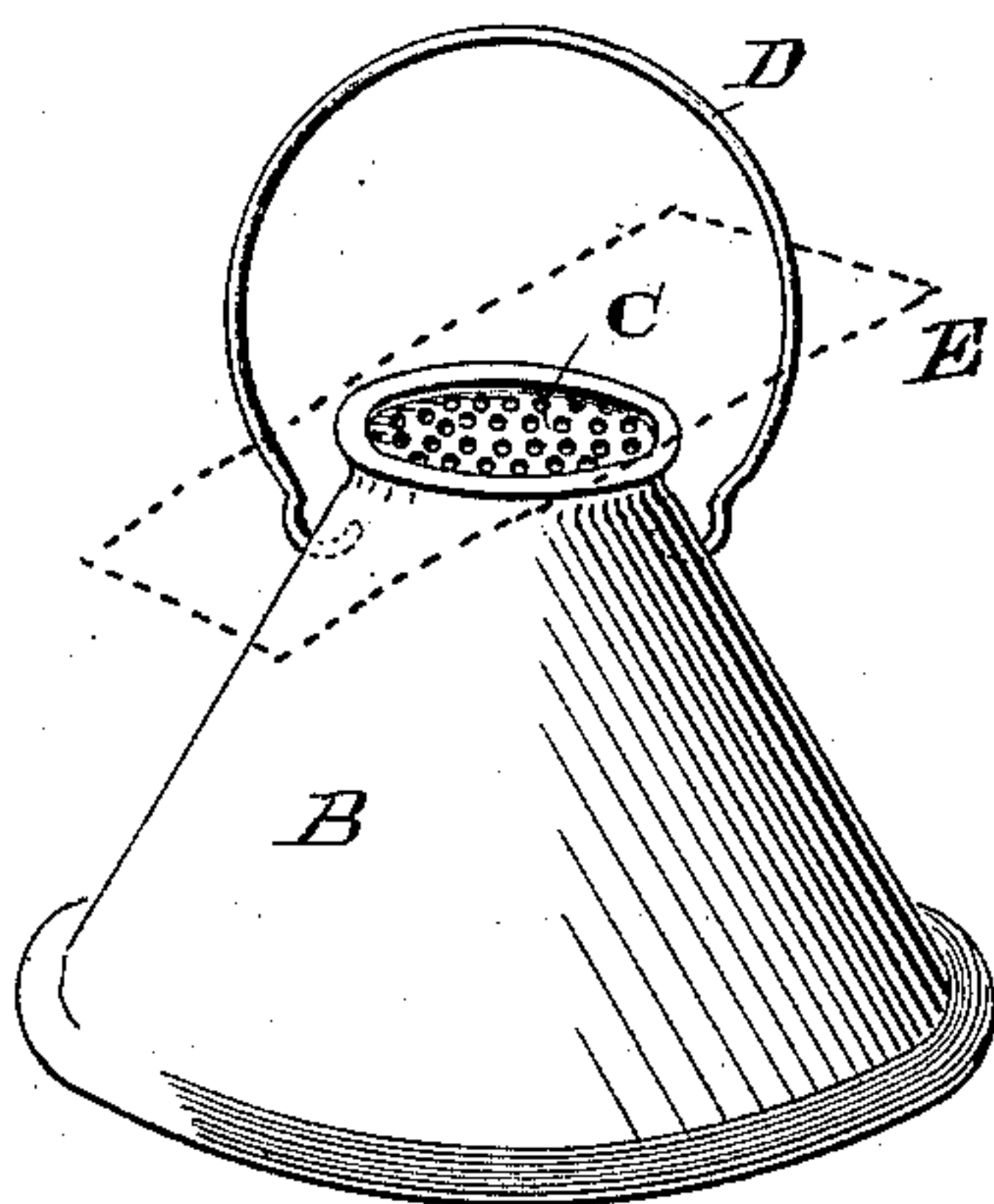


Fig. 2.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

MARGARET M. JOSLYN, OF GRAND MEADOW, MINNESOTA.

## SOOT-COLLECTOR FOR GASOLINE-STOVES.

SPECIFICATION forming part of Letters Patent No. 378,508, dated February 28, 1888.

Application filed December 6, 1886. Serial No. 220,840. (No model.)

*To all whom it may concern:*

Be it known that I, MARGARET M. JOSLYN, of Grand Meadow, in the county of Mower and State of Minnesota, have invented a new and  
5 Improved Soot-Collector for Gasoline-Stoves, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a side elevation of a gasoline-stove burner to which my improvement has been applied, and Fig. 2 is a perspective view of my improved soot-collector.

Similar letters of reference indicate corresponding parts in both views.

15 The object of my invention is to provide an attachment for a gasoline-stove for collecting the soot and smoke and preventing it from being spread in the apartment in which the stove is used.

20 My invention consists of an inverted funnel placed over the burner while the gasoline is being burned to generate the gas, with its wider end opening downward and its narrower end closed by a perforated sheet-metal disk.

25 The burner A is of the kind usually employed in gasoline-stoves, consisting of a hollow circular head provided with holes in its periphery for the escape of vapors to be burned.

30 Over the burner A is placed an inverted funnel, B, with its wider end over the burner A. The upper and narrower end of the funnel is

closed by a perforated disk, C. The funnel is provided with a bail or handle, D, by means of which it is placed over the burner or removed. Most of the soot and smoke resulting  
35 from the combustion of the liquid gasoline is collected upon the inner surface of the funnel B, and may be removed by scraping the inner surface of the funnel from time to time. Some of the smoke passes through the apertures of  
40 the disk C, and is received on a moistened cloth, E, thrown over the funnel.

By means of the funnel and the moistened cloth the greater part of the smoke and soot formed by the combustion of the gasoline is  
45 collected and prevented from accumulating on the ceiling and on surrounding objects.

Having thus fully described my invention, I claim as new and desire to secure by Letters  
50 Patent—

As a new article of manufacture, a soot-collector for gasoline-stoves, comprising the inverted funnel B, having imperforate sides and a perforated disk, C, secured permanently in  
55 its contracted end, and the bail D, having its ends connected to opposite sides of the funnel at or near its upper end, substantially as set forth.

MARGARET M. JOSLYN.

Witnesses:

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