

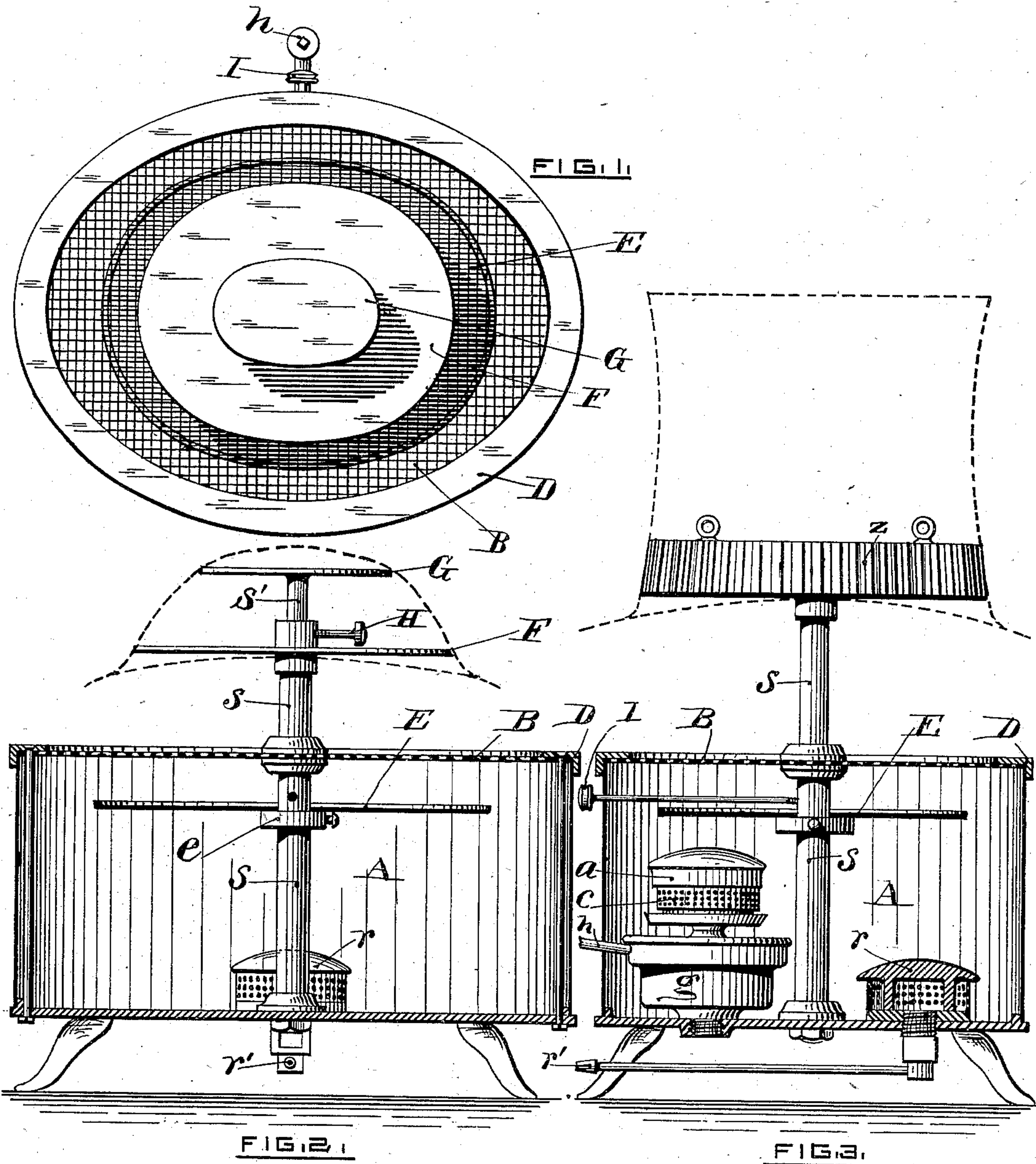
(No Model.)

H. H. SHELDON.

HAT BRIM HEATER.

No. 254,710.

Patented Mar. 7, 1882.



WITNESSES,

Charles Hannigan
Geo. H. Remington

INVENTOR,

Henry H. Sheldon

UNITED STATES PATENT OFFICE.

HENRY H. SHELDON, OF PAWTUCKET, RHODE ISLAND.

HAT-BRIM HEATER.

SPECIFICATION forming part of Letters Patent No. 254,710, dated March 7, 1882.

Application filed January 13, 1882. (No model.)

To all whom it may concern:

Be it known that I, HENRY H. SHELDON, a citizen of the United States, residing at Pawtucket, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Hat-Brim Heaters; 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to an improved portable apparatus for heating hat-brims preparatory to being shaped; and it consists of a stove in which vapor-retort burners or gas-burners may be employed for heating the same.

My invention further consists in using a series of adjustable plates or gages arranged over said burners, which serve to heat the brim of the hat when placed in connection therewith.

In the accompanying drawings, Figure 1 represents a top view of my stove or heater. Fig. 2 is a vertical longitudinal section through the center of same, (central stems not sectional,) showing the manner of adjusting the hat-support and applying the size-gage when used for heating oval low-crowned hats. Fig. 3 is a vertical transverse section through the center, (central stems not sectional,) showing a vapor-retort burner and also a gas-burner, the central stem or tube surmounted with a "conformator-block," which is used for heating silk hats. Fig. 4 is a partial vertical section, showing the manner of using the sizers or gages.

A is the stove, which is preferably of oval form and covered with wire-gauze, B.

To the bottom of and near each side of the stove is secured vapor-retort or gas burners,

and to the bottom center of the stove is secured the tubular standard s.

E is a metallic plate or heat-deflector, of oval form, and considerably smaller than the stove. This deflector is loosely mounted upon the stem s, and rests upon the collar e, the latter being vertically adjustable upon the said stem s. The object of this plate E is to deflect the heat from the burners toward the sides of the stove, whence the heated air escapes over the edge of said plate and upward through the gauze B, and heats the brim of the hat, while the center of the hat remains comparatively cool.

The size-gage, which is also vertically adjustable upon the stem s, is composed of a head-shaped disk, F, and one or more detachable rings, F' F², whereby different sizes of hats may be shaped.

The hat-support G, provided with a downwardly-projecting stem, s', is vertically adjustable by telescoping the tubular stem s, and retained in position by the screw H, thereby gaging the height of the hat, so as to present the size-gage to the proper portion of the hat-brim.

I claim as my invention—

1. The improved hat-brim heater herein described, consisting of the stove A, heated with vapor-retort or gas burners, deflector E, size-gage F, and support G, constructed and arranged as and for the purpose specified.

2. In combination with a hat-brim heater, the gage F, provided with one or more size-rings, F' F², substantially as shown and described.

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

HENRY H. SHELDON.

Witnesses:

CHAS. HANNIGAN,
GEO. H. REMINGTON.