Oct. 31, 1933. R. R. FISHBACK 1,933,475

STOVE FOR CURING TOBACCO

Filed Jan. 7, 1933 2 Sheets-Sheet 1

Fig. 1.

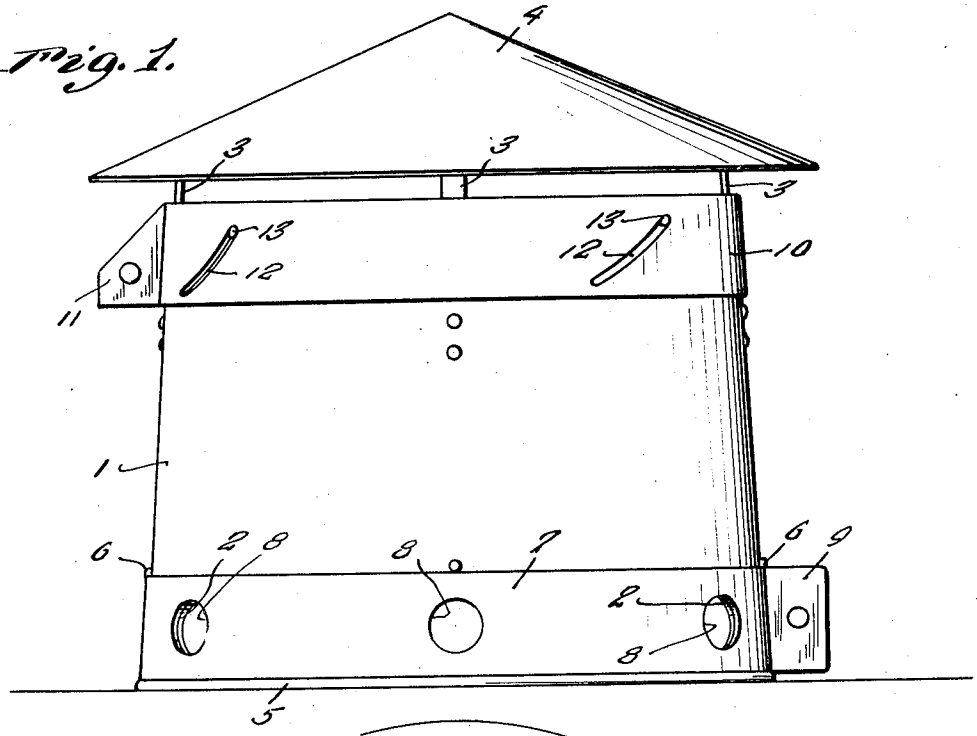
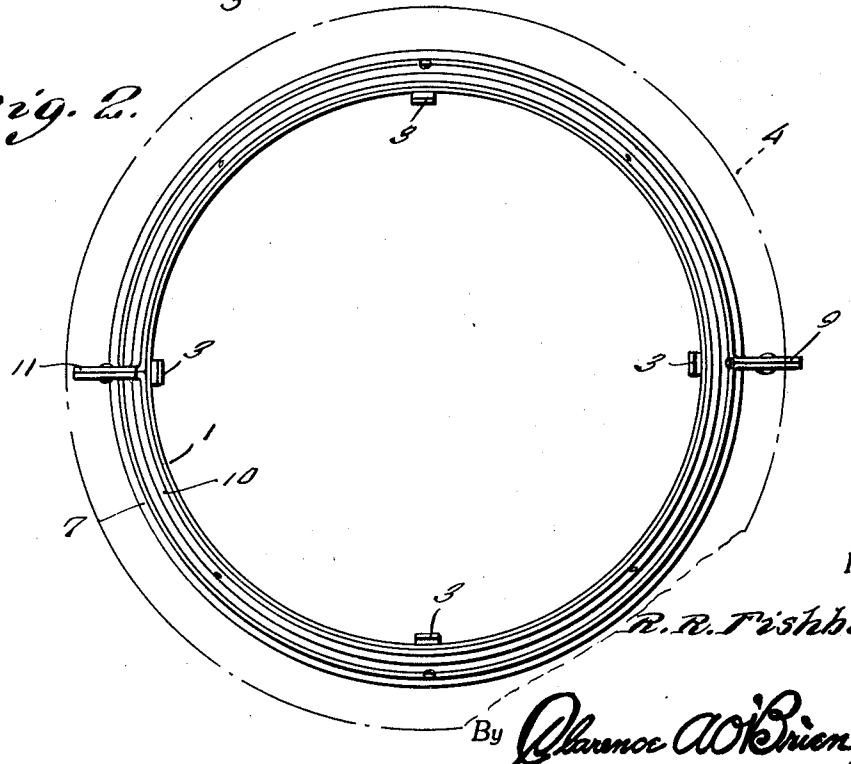


Fig. 2.



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Filed Jan. 7, 1933 2 Sheets-Sheet 2

Fig. 3.

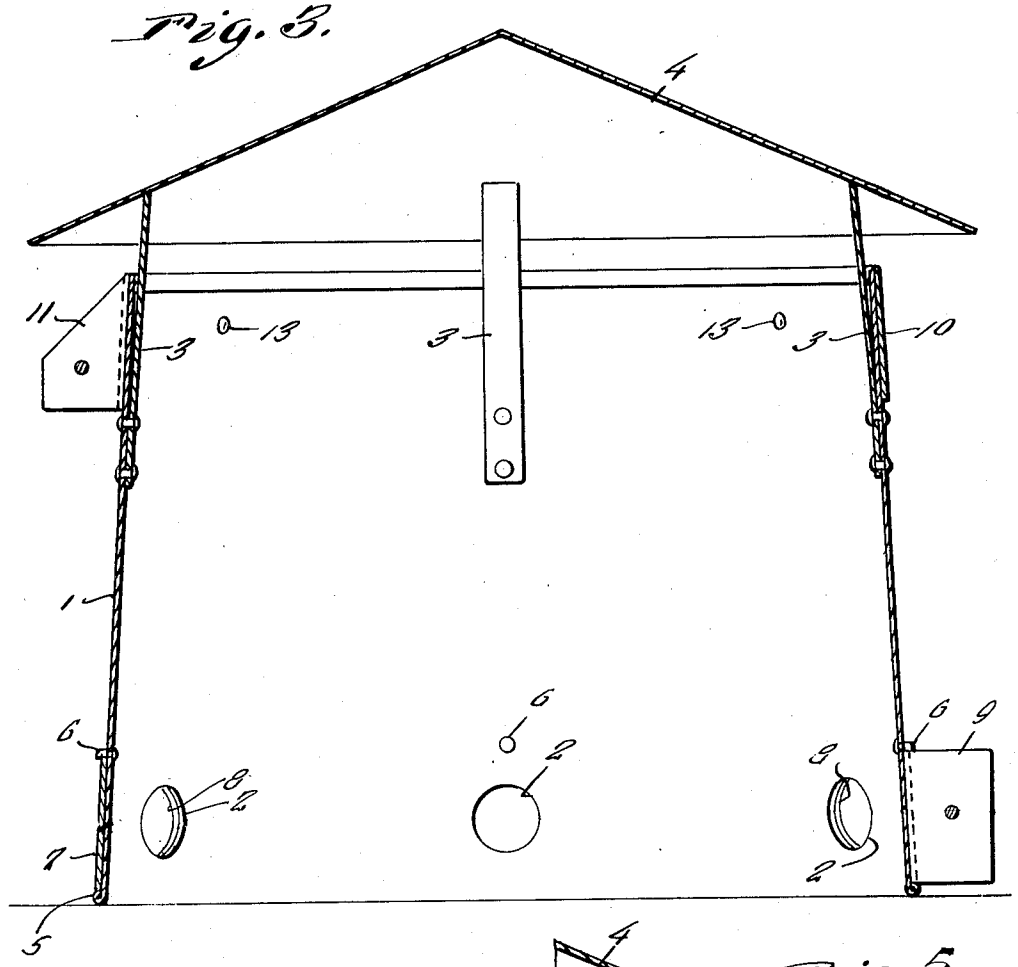


Fig. 4.

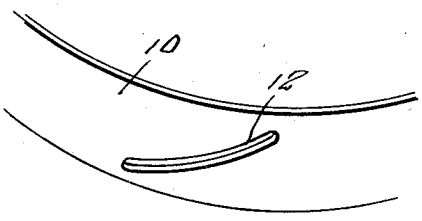
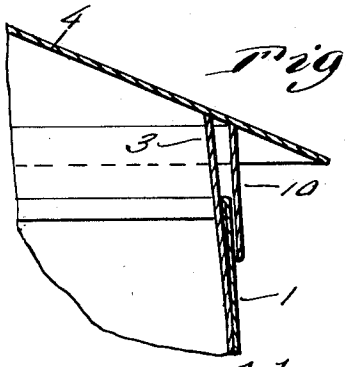


Fig. 5.



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UNITED STATES PATENT OFFICE

1,933,475

STOVE FOR CURING TOBACCO

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Application January 7, 1933. Serial No. 650,725

6 Claims. (Cl. 126—59.5)

The present invention relates to new and useful improvements in coke burning stoves for use particularly in curing tobacco in barns, etc., and has for one of its important objects to provide, in a manner as hereinafter set forth, a stove of this character embodying novel draft regulating means through the medium of which the heat which is radiated may be controlled and an even temperature maintained.

Other objects of the invention are to provide a stove of the aforementioned character which will be simple in construction, strong, durable, light in weight, compact, attractive in appearance and which may be manufactured and operated at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawings wherein like characters of reference designate corresponding parts throughout the several views, and wherein:—

Figure 1 is a view in side elevation of a stove constructed in accordance with the present invention.

Fig. 2 is a view in top plan thereof with the top of the stove removed.

Fig. 3 is a vertical sectional view through the stove.

Fig. 4 is a fragmentary view in perspective, showing a portion of the upper damper.

Fig. 5 is a fragmentary view in vertical section through an upper portion of the stove, showing the upper damper in raised or closed position.

Referring now to the drawings in detail, it will be seen that the embodiment of the invention which has been illustrated comprises a substantially frusto-conical casing 1 of any suitable material, preferably sheet metal, said casing being open at its top and bottom and having a series of circumferentially spaced air inlet openings 2 in its lower portion. Mounted on the inner side of the casing 1 and rising thereabove is a plurality of posts 3 of metal which function to support a substantially conical metallic cover 4 in spaced relation above said casing 1. The cover 4 is removable and said cover projects outwardly beyond the casing 1, as illustrated to advantage in Fig. 3 of the drawings.

At its lower end, the casing 1 terminates in an external bead or flange 5 in spaced relation above which a plurality of circumferentially spaced pins 6 project. Mounted for rotary adjustment on the casing 1 between the bead or flange 5 and the pins 6 is a lower damper 7 having a plurality of openings 8 therein to be brought into registry with the openings 2 in the casing 1. The damper 7 is of sheet metal and comprises a split band which terminates, at its ends, in outturned, abutting ears which are secured together in a manner to provide an operating handle 9.

Mounted for rotary and vertical movement on the upper portion of the casing 1 is an upper damper 10 which controls the space between the upper end of said casing 1 and the removable cover 4. The upper damper 10 is also of any suitable material, preferably sheet metal, and comprises a split band terminating in out-turned, abutting end portions which are secured together in a manner to provide an operating handle 11. The upper damper 10 has formed therein, at spaced points, a plurality of cam slots 12 in which pins 13 which project from the upper portion of the casing 1 are engaged.

It will thus be seen that by manually rotating the upper damper 10, the escape of heated air between the casing 1 and the removable cover 4 may be controlled as desired, the pins 13 which are engaged in the cam slots 12 causing said damper to be raised or lowered on the casing as it is rotated. As will be apparent, the draft to the fire in the stove may be regulated as desired through the medium of the lower damper 7.

It is believed that the many advantages of a stove for curing tobacco constructed in accordance with the present invention will be readily understood, and although the preferred embodiment of the invention is as illustrated and described, it is to be understood that changes in the details of construction and in the combination and arrangement of parts may be resorted to which will fall within the scope of the invention as claimed. For example, the casing 1 may, if desired, be cylindrical.

Having thus described my invention, what I claim as new is:—

1. A stove comprising a casing open at its top, a cover mounted on the casing in vertically spaced relation thereto, and a damper mounted on the casing for controlling the opening between said casing and the cover.

2. A stove comprising a casing open at its top, a cover mounted on the casing in vertically spaced relation thereto, and a manually operable damper mounted for rotary and vertical movement on the casing for controlling the opening between said casing and the cover.

3. A stove comprising a casing open at its top, a cover mounted on the casing in vertically

spaced relation thereto, a damper rotatably mounted on the upper portion of the casing, said damper having cam slots therein, and pins projecting from the casing and engaged in the slots for imparting vertical movement to said damper for controlling the opening between the casing and the cover.

4. A stove comprising a casing open at its top, a cover mounted on the casing in vertically spaced relation thereto, and a damper mounted on the casing for controlling the opening between said casing and the cover, said damper comprising a split band including out-turned, abutting and portions secured together, said end portions constituting a handle for manually actuating the damper.

5. A stove comprising a substantially frusto-conical metallic casing open at its top and bottom, posts mounted in the casing and projecting thereabove, a substantially conical cover removably mounted on the posts, a damper mounted on the upper portion of the casing for controlling the opening between said casing and the cover, the damper comprising a split band including out-turned, abutting end portions secured together, said end portions constituting a handle for manually actuating the damper, the split band having a plurality of cam slots therein, and pins projecting from the casing and engaged in the cam slots for imparting vertical movement to the damper upon rotation of said damper.

6. A stove comprising, in combination, a casing open at its top and bottom, said casing having draft openings in its lower portion, a cover mounted on the casing in vertically spaced relation thereto, a damper for controlling the opening between the casing and the cover, and a damper for controlling the draft openings.

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