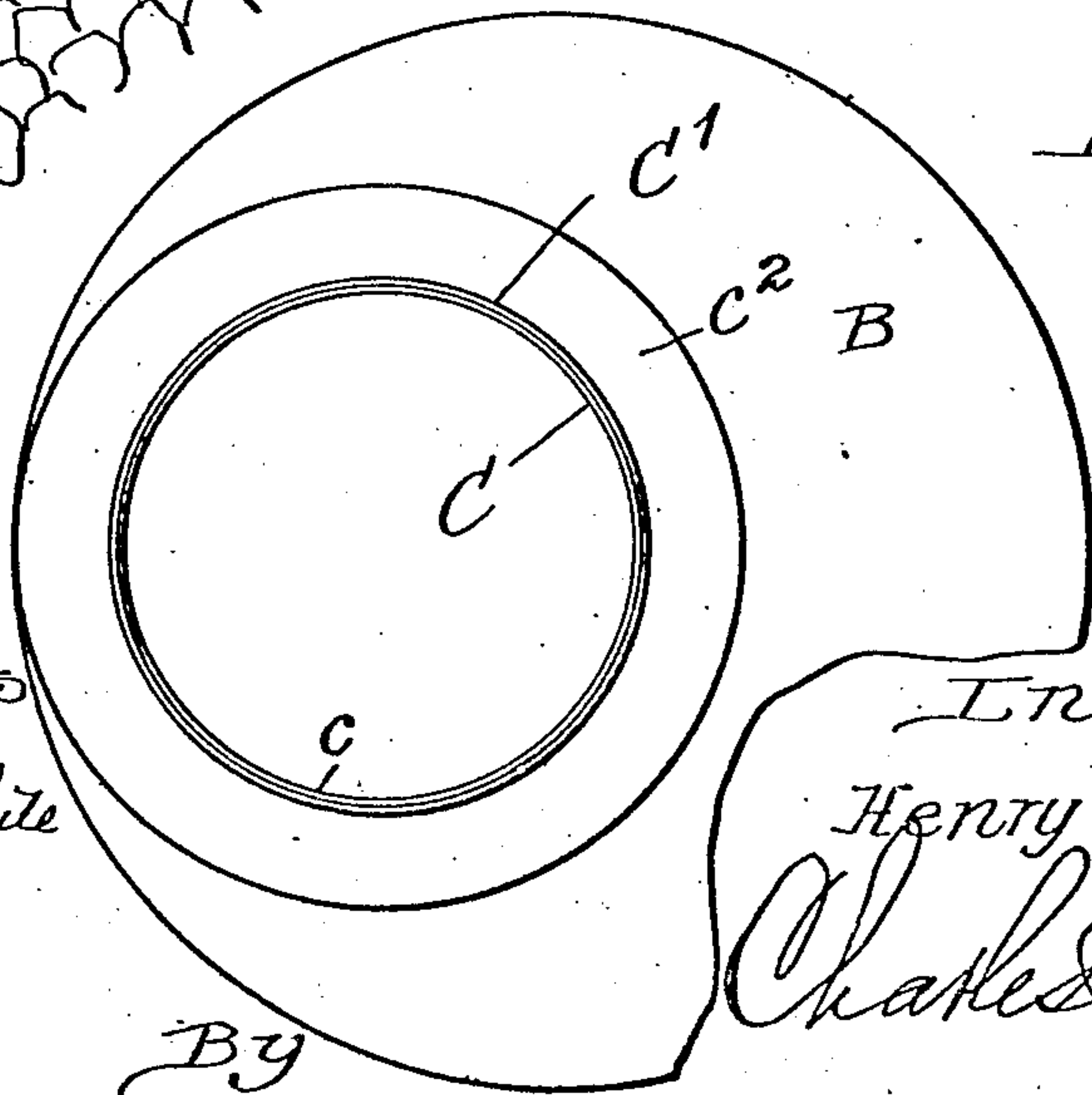
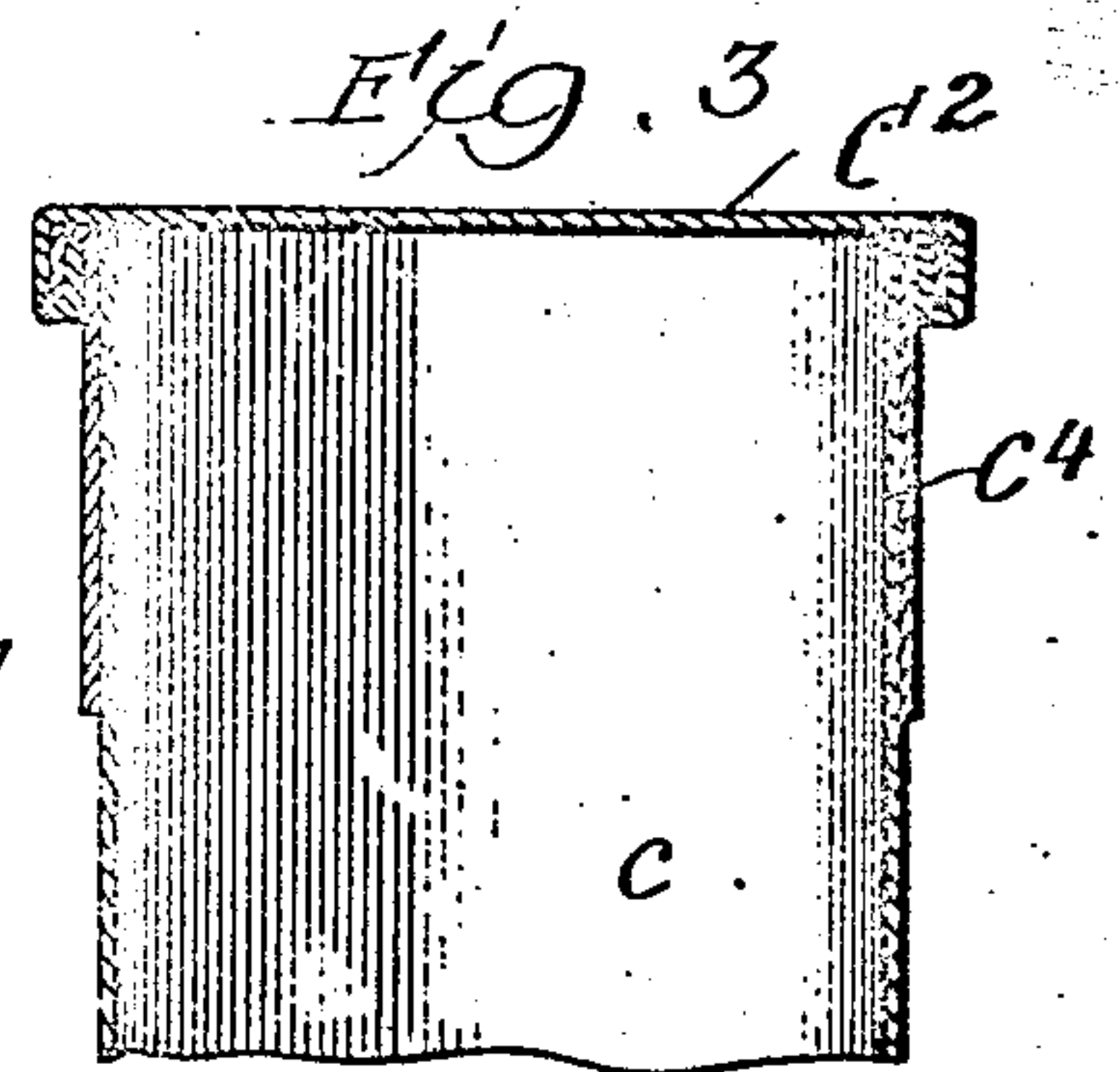
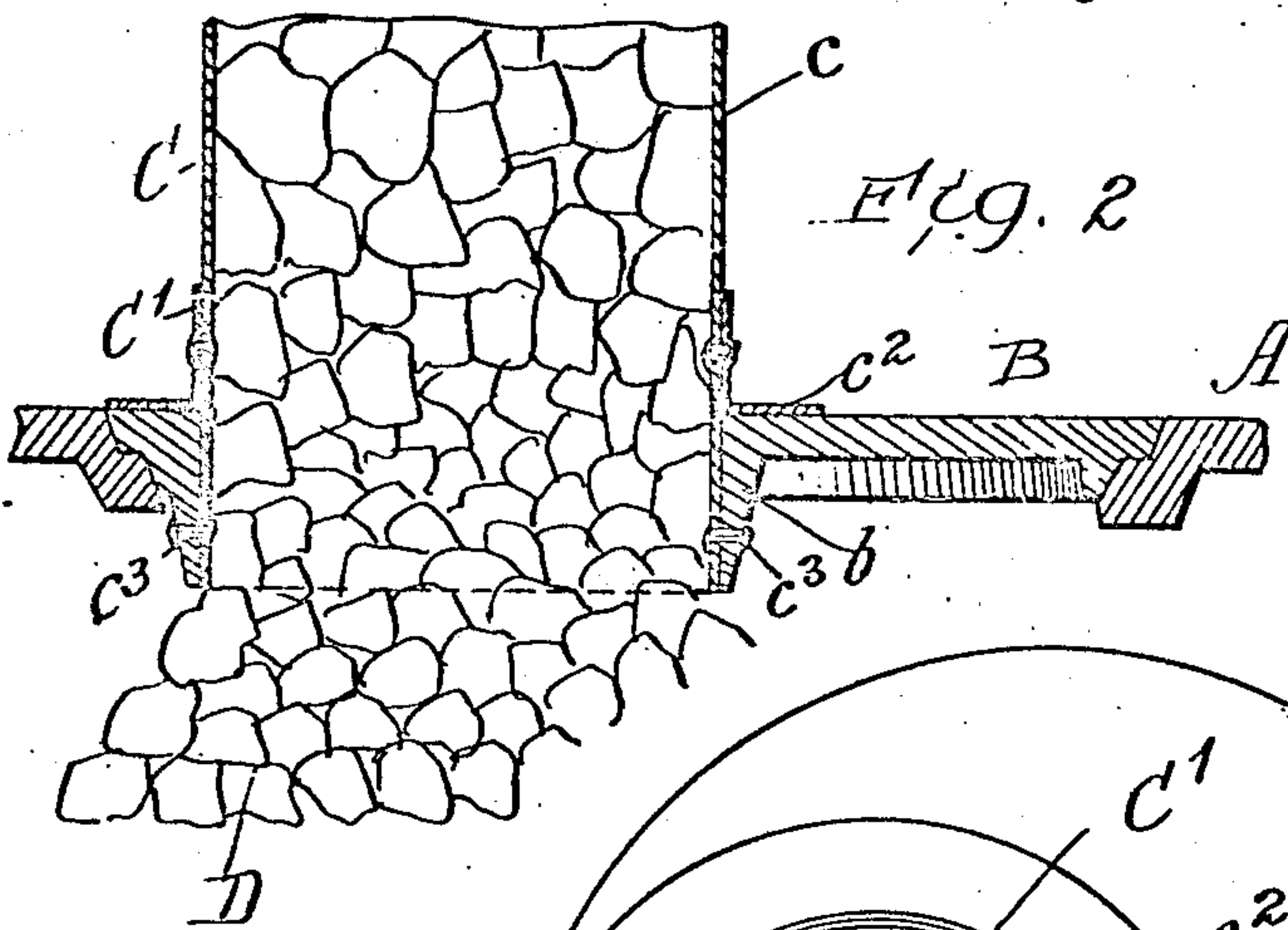
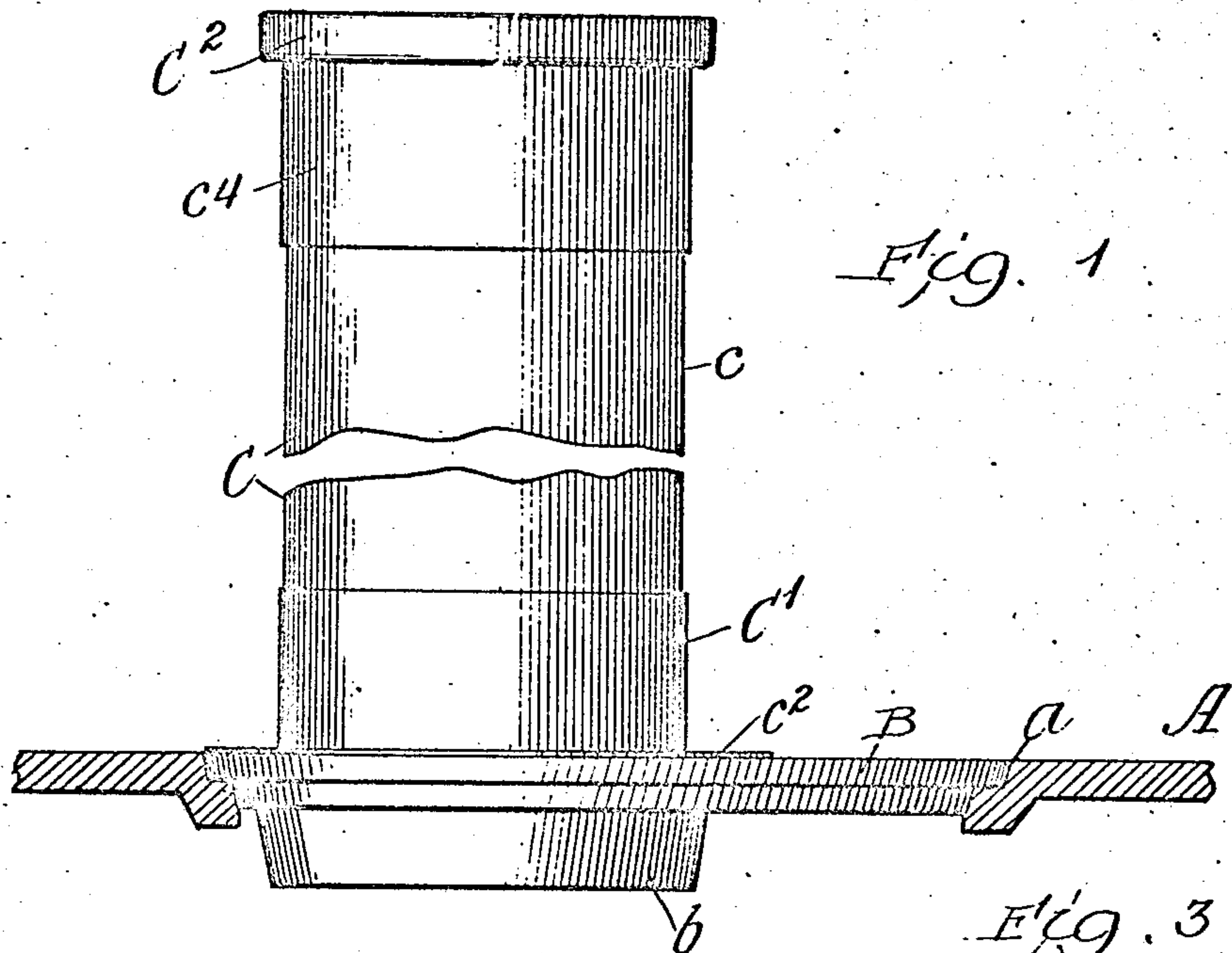


No. 895,540.

PATENTED AUG. 11, 1908.

H. CULL.
MAGAZINE FEEDER FOR RANGES OR THE LIKE.
APPLICATION FILED DEC. 15, 1906.



Witnesses
Harry R. White
Ray White.

By

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UNITED STATES PATENT OFFICE.

HENRY CULL, OF CHICAGO, ILLINOIS.

MAGAZINE-FEEDER FOR RANGES OR THE LIKE.

No. 895,540.

Specification of Letters Patent.

Patented Aug. 11, 1908.

Application filed December 15, 1906. Serial No. 347,947.

To all whom it may concern:

Be it known that I, HENRY CULL, a citizen of the United States, and a resident of the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Magazine-Feeders for Ranges or the Like; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of the specification.

This invention relates to a magazine feeder for ranges or the like and more particularly to a removable feeder adapted to be attached to the ordinary kitchen range.

The object of this invention is to provide a magazine feeder adapted more particularly for kitchen ranges and which may be quickly removed from or attached to the range and when in use is adapted to continuously feed coal thereto as fast as the coal on the grate is consumed thereby maintaining a steady even heat and saving considerable labor and attention.

A further object of the invention is to afford a feeder of light weight and simple construction adapted to be carried in one of the griddle holes of the range when it is desired to maintain a steady, even heat for a considerable period.

It is also an object of this invention to provide a magazine feeder by rotation of which the fuel is spread over a large area of the grate surface.

The invention consists in the matters hereinafter described and more fully pointed out and defined in the appended claims.

In the drawings: Figure 1 is a fragmentary side elevation of a device embodying my invention. Fig. 2 is a fragmentary central section of the same showing the magazine filled and feeding to the stove. Fig. 3 is a central vertical section of the upper end of the magazine. Fig. 4 is a fragmentary top plan view of the same with the cone removed.

As shown in said drawings: A indicates the top of a range of any usual or preferred construction and which is provided with an opening *a* adapted to be closed by a griddle or lid as is usual in such devices.

B indicates a substitute griddle or lid adapted to replace that ordinarily used and which as shown more clearly in Fig. 2 constitutes the base of the feeder and is provided therethrough with a concentric ap-

erture or opening beneath which is a downwardly directed peripheral flange *b* having parallel inner sides. Fitting closely in the opening in said griddle B is the magazine C which may be constructed of any desired material but as shown comprises a cylindric sleeve or shell *c* of sheet metal which may extend any preferred distance through the griddle but as shown is flush with the lower margin of the flange *b*. A collar C' is rigidly engaged upon the cylinder *c* by means of rivets or in any preferred manner and is provided with an outwardly directed flange *c*³ adapted to rest upon said griddle. The lower end of said cylinder as shown is secured to the flange *b* by means of rivets *c*³ or by any preferred means.

A cover C² having a relatively broad downwardly directed flange *c*⁴ fits closely over the upper end of the cylinder and prevents the escaping of gases or dust from the stove when in use.

The operation is as follows: Inasmuch as the feeder is carried upon a griddle all that is necessary when it is desired to use the same is to remove the usual griddle or lid and place the feeder over the opening in the top of the range. Coal D is then poured into the top of the cylinder filling the same to the desired height and the cover is secured in place. As the coal in the range burns that in the cylinder moves downwardly thereby furnishing a continuous and even feed for the fire. By mounting the magazine eccentrically the same when rotated acts to spread the fuel over a large grate area insuring a uniform bed and maximum efficiency. This is of great importance in quickly and easily starting the fire after standing for a considerable period and obviates the use of a poker or spreading iron.

While I have shown the magazine cylinder as constructed of sheet metal it is obvious that it may be constructed of any desired material and that it may extend any desired distance both above and below the griddle B and various other details of construction may be varied without departing from the principles of my invention.

I claim as my invention:

1. In a device of the class described a lid and a magazine eccentrically secured thereto and opening through the same.

2. In a device of the class described a lid having an eccentric aperture therein, an eccentric flange integral with the lid around

the aperture and depending below the same, a cylindric magazine extending through the eccentric flange having its lower end approximately flush with the lower end of the flange and means rigidly securing the cylindric magazine to the flange.

3. In a device of the class described the combination with a lid having an eccentric aperture therein, a flange integral with the lid and directed downwardly, a magazine eccentrically secured in said lid and rigidly secured to the flange, a collar rigidly secured to the magazine above the lid and a flange extending outwardly from the magazine resting on the lid and limiting the distance

that the magazine can extend through the lid.

4. In a device of the class described a removable base, a magazine feeder rigidly secured eccentrically to the base and extending therethrough and a cover for said magazine feeder.

In testimony whereof I have hereunto subscribed my name in the presence of two subscribing witnesses.

HENRY CULL

Witnesses:

K. E. HANNAH,
G. W. DANZ.