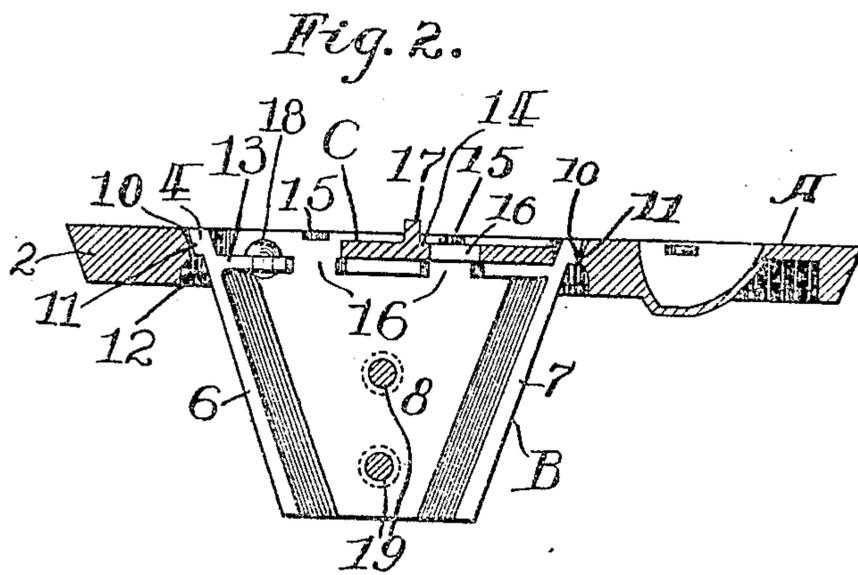
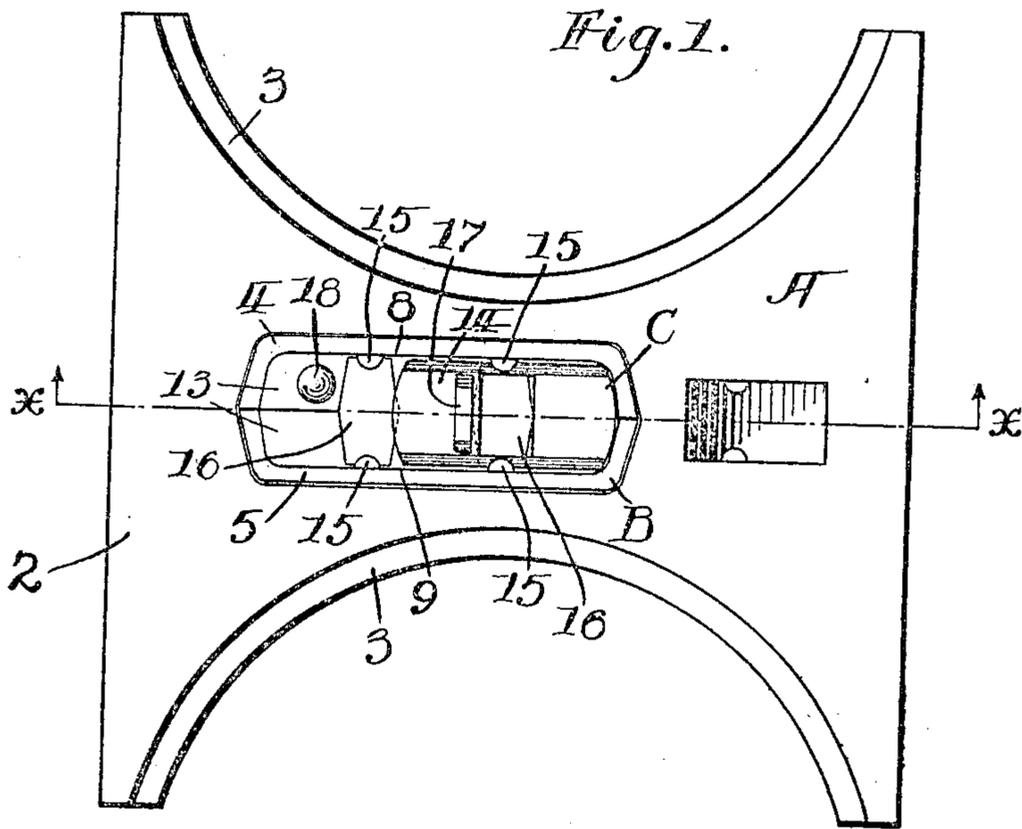


H. C. GOELTZ.
 SHORT CENTER LID.
 APPLICATION FILED SEPT. 2, 1908.

927,649.

Patented July 13, 1909.



Witnesses:
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UNITED STATES PATENT OFFICE.

HENRY C. GOELTZ, OF ST. PAUL, MINNESOTA.

SHORT CENTER LID.

No. 927,649.

Specification of Letters Patent.

Patented July 13, 1909.

Application filed September 2, 1908. Serial No. 451,333.

To all whom it may concern:

Be it known that I, HENRY C. GOELTZ, a citizen of the United States, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented a new and useful Improvement in Short Center Lids, of which the following is a specification.

My invention relates to improvements in short center lids for stoves and has for its object a device of its kind which is adapted to produce a down draft in stoves for burning lignite and soft coal.

Heretofore it has been common practice to provide down draft flues in stoves and more particularly my invention relates to a simple and inexpensive device which can be attached to or detached from a short center lid enabling the parts to be separated for cleaning purposes and also providing means by which what I have chosen to term the insert, will admit air in to the stove without permanently clogging. In addition to these features of construction, my invention provides means by which a passageway through the insert can be modified to vary the draft in the stove.

In the accompanying drawings, forming part of the specification, Figure 1 is a plan view of my invention; Fig. 2 is a cross section of Fig. 1 taken on the line X—X.

In the drawings A represents a short center lid such as is commonly employed in cooking stoves. This lid has the usual body portion 2 provided with the regular curved ledges 3 upon which the edges of the round lids (not shown) are adapted to rest.

B represents what I have chosen to term an insert which is made in two longitudinal hollow sections 4 and 5 having downwardly and inwardly inclined end walls 6 and 7 and vertical side walls 8 and 9. The upper portion of the walls is formed with an outwardly inclined outer shoulder 10 which rests upon a ledge 11 surrounding an opening 12 in the body of the short center lid. Near the upper portion of the insert is a damper C which is formed by a horizontal partition 13 across the passageway in the insert and a slide 14 upon said partition and held in place by detents 15 which are cast integral with the insert. The partition 13 and slide 14 have openings 16 which are adapted to coincide when the slide is in open position and to be closed when the slide is reversed. A thumb piece 17 is cast integral with the slide so that it can be moved forward or backward and a

stop 18 is cast integral with the partition to limit the closing movement of the slide. The two sections of the insert are shown secured together by means of a pair of transverse tie bolts 19.

In use, the insert is placed in the opening in the body of the center lid and the damper regulated to admit the proper amount of air down upon the fire in the stove upon which the center lid is used.

In accordance with the patent statutes I have described the principles of operation of my invention together with apparatus which I now consider to represent the best embodiment thereof but I desire to have it understood that the construction shown is only illustrative and that the invention can be carried out by other means and applied to uses other than those above set forth within the scope of the following claims.

Having described my invention, what I claim as new and desire to protect by Letters Patent is:

1. A device of the class set forth, comprising, in combination, a short center lid having a perforation in its body and an insert depending from said lid through said perforation, said insert comprising a pair of hollow upright sections having a pair of inwardly and downwardly inclined walls and a pair of substantially vertical walls, a damper plate near the upper end of said insert and means for securing said sections together, said sections being formed with a substantially horizontal inner partition having ventilating openings and with means slidably holding said damper plate upon said partition, said damper plate being adapted to move on said partition and open or close said ventilating openings, for the purposes specified.

2. A device of the class set forth, comprising, in combination, a short center lid having a perforation in its body and an insert through said perforation and resting upon said lid, said insert comprising a pair of hollow upright sections having a pair of inwardly and downwardly inclined walls and a pair of substantially vertical walls forming a down draft flue, a damper plate near the upper end of said insert and a transverse tie bolt securing said sections together, said sections being formed with a substantially horizontal inner partition having ventilating openings, a stop for limiting the closing movement of said damper plate and detents slidably holding said damper plate upon said par-

tion, and said damper plate having, a venti-
lating passageway which is adapted to regis-
ter with one of the ventilating passageways
in said partition when said damper plate is in
5 open position and a thumb piece by which
said damper plate can be moved forward and
backward to modify the ventilating passage-
ways in said partition.

In testimony whereof, I have signed my
name to this specification, in the presence of 10
two subscribing witnesses.

HENRY C. GOELTZ.

Witnesses:

H. L. FISCHER,
F. G. BRADBURY.