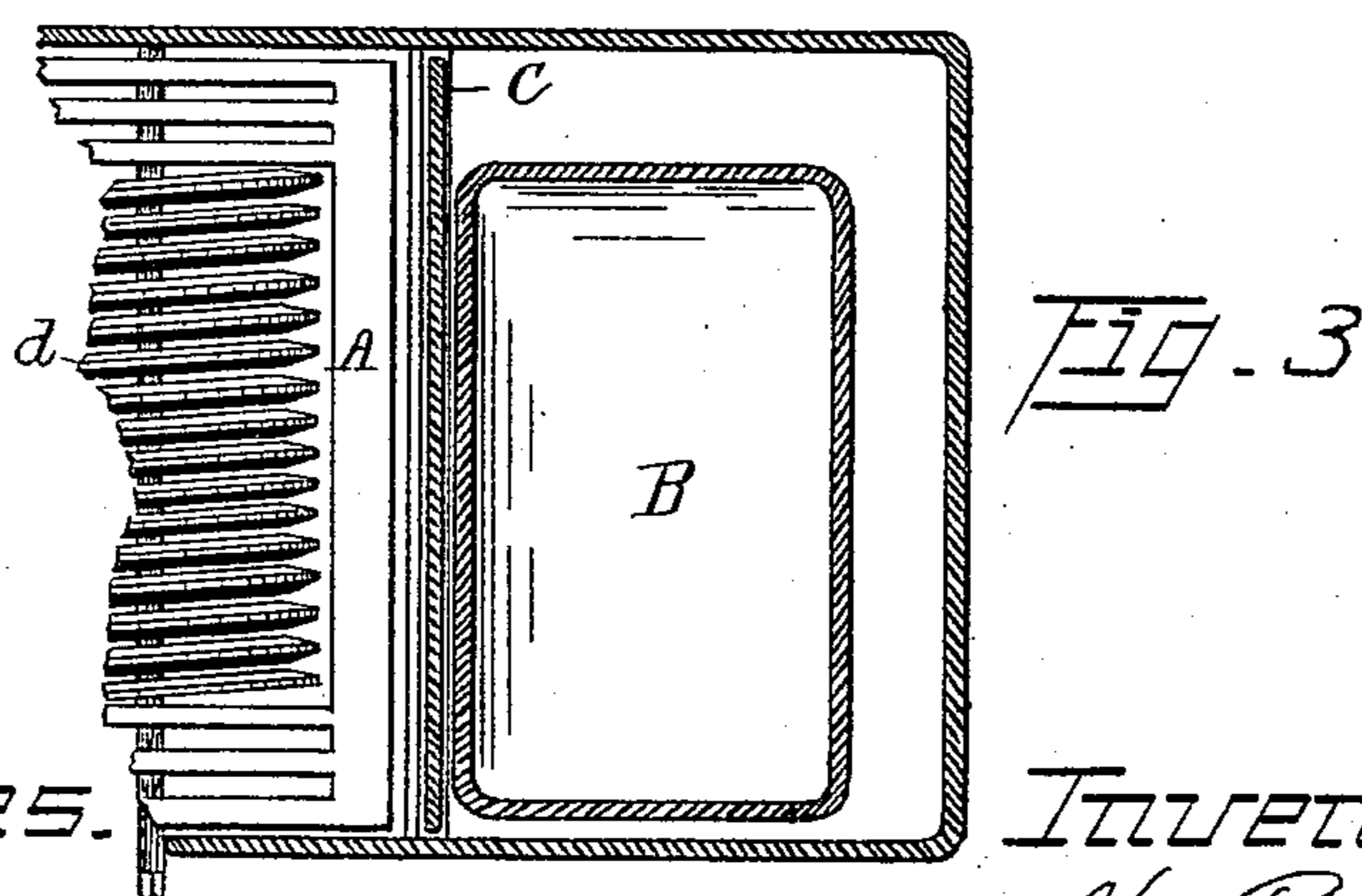
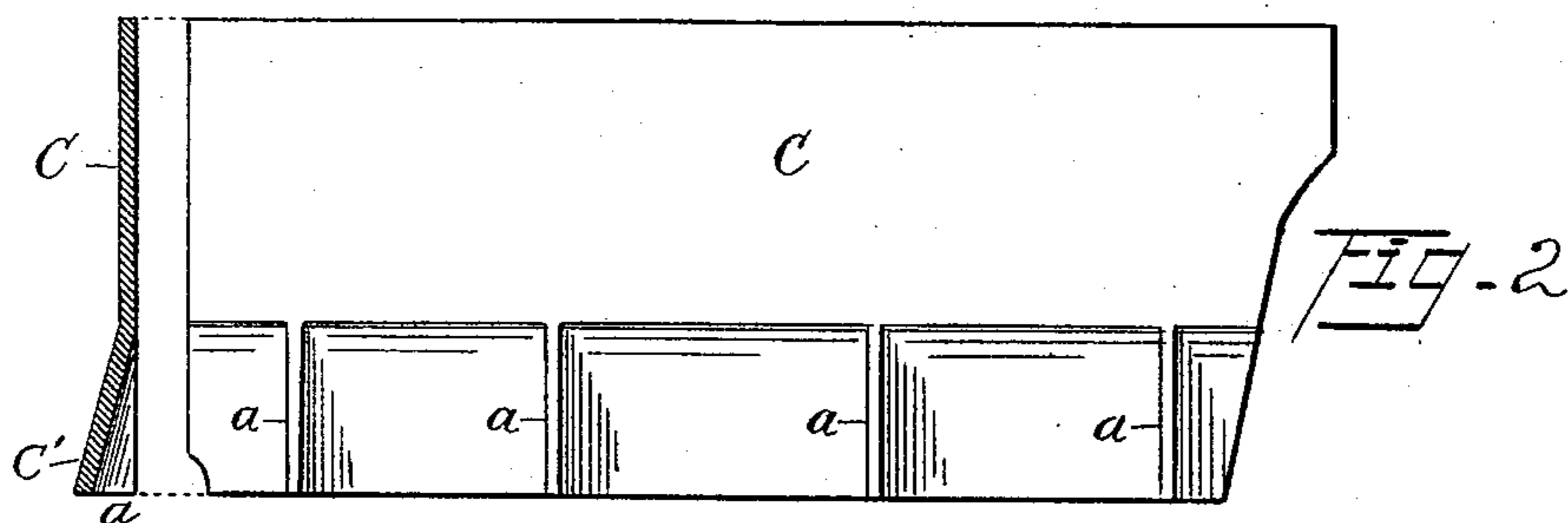
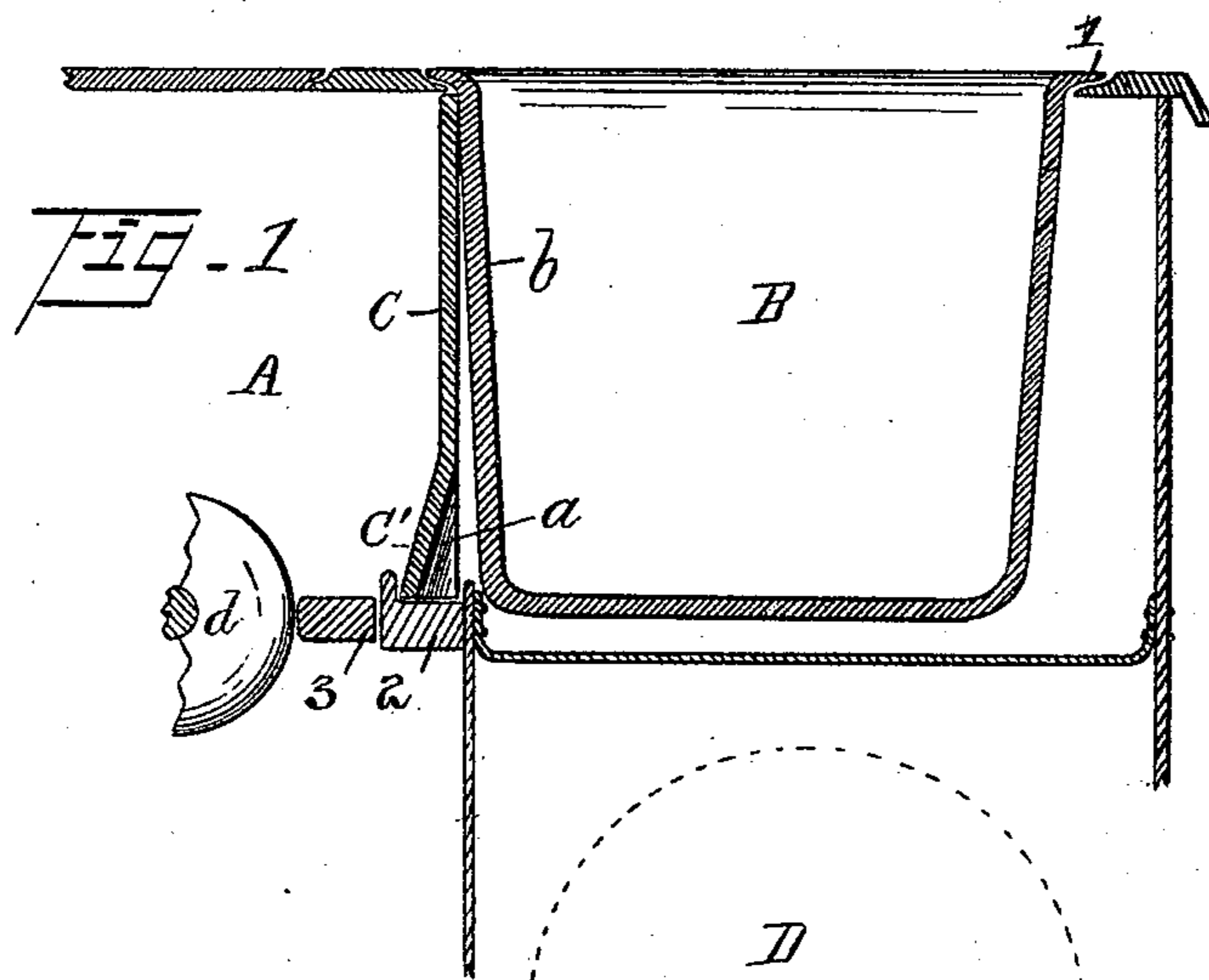


(No Model.)

H. BORN.
RANGE OR STOVE.

No. 459,436.

Patented Sept. 15, 1891.



Witnesses.

W. A. Biddle
H. Clark Ford

Inventor.

H. Born
W. H. Burridge
att.

UNITED STATES PATENT OFFICE.

HENRY BORN, OF CLEVELAND, OHIO.

RANGE OR STOVE.

SPECIFICATION forming part of Letters Patent No. 459,436, dated September 15, 1891.

Application filed December 30, 1890. Serial No. 376,300. (No model.)

To all whom it may concern:

Be it known that I, HENRY BORN, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Ranges or Stoves, of which the following is a specification.

My invention relates, particularly, to the fire-box of the stove, and includes a specially-constructed wall therefor, and it includes, also, the combination of said wall with a removable reservoir, which serves to hold the wall in place and permits its ready removal when it is desired to renew the wall or change it for a different one.

In the drawings, Figure 1 is a sectional view through a portion of the fire-box of the stove with the reservoir in place and the interposed wall. Fig. 2 includes a sectional view of the wall and a rear view. Fig. 3 is a sectional plan view of Fig. 1.

In the drawings, A is the fire-box, having the usual grate *d*, and to one side of said fire-box is the reservoir-chamber, in which is removably held the reservoir B. This is supported by its horizontal flanges 1 bearing upon the edges of the chamber-opening. A wall C is interposed between the reservoir and the fire-box, and this has a vertical upper portion, the end of which bears upon the reservoir just below the flange thereof. At its lower portion C' it is inclined inwardly, and this lower end rests upon a cross-bar 2, which has a vertical rib 3, against which the in-

clined end bears. On the rear side of the wall a series of ribs *a* are formed extending vertically of the inclined portion C'. From this construction it will be seen that the reservoir B is protected from the direct action of the heated fuel by the wall C, and thus it is prevented from being burned out or injured as the coals are in contact with the interposed wall C only, while, however, the wall of the reservoir is close enough to the fire-box to secure, practically, the full action of the fuel. The ribs *a*, besides strengthening the wall C, also increases the heating-surface. The inclined portion C' at the bottom of the plate serves to direct the refuse and ashes to the grate *d* for discharging the same from the fire-box. By reason of the fact that the upper end of the plate C merely rests upon the reservoir side it will be clear that the plate may be readily removed and replaced by removing the reservoir, and then the plate is left exposed for removal. Any suitable cover can be used for the reservoir.

I claim as my invention—

In a stove or range, a fire-box having a wall C with an inclined lower end and a series of ribs *a* in rear thereof, substantially as described.

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

HENRY BORN.

Witnesses:

WALTER A. BIDDLE,
L. F. GRISWOLD.