

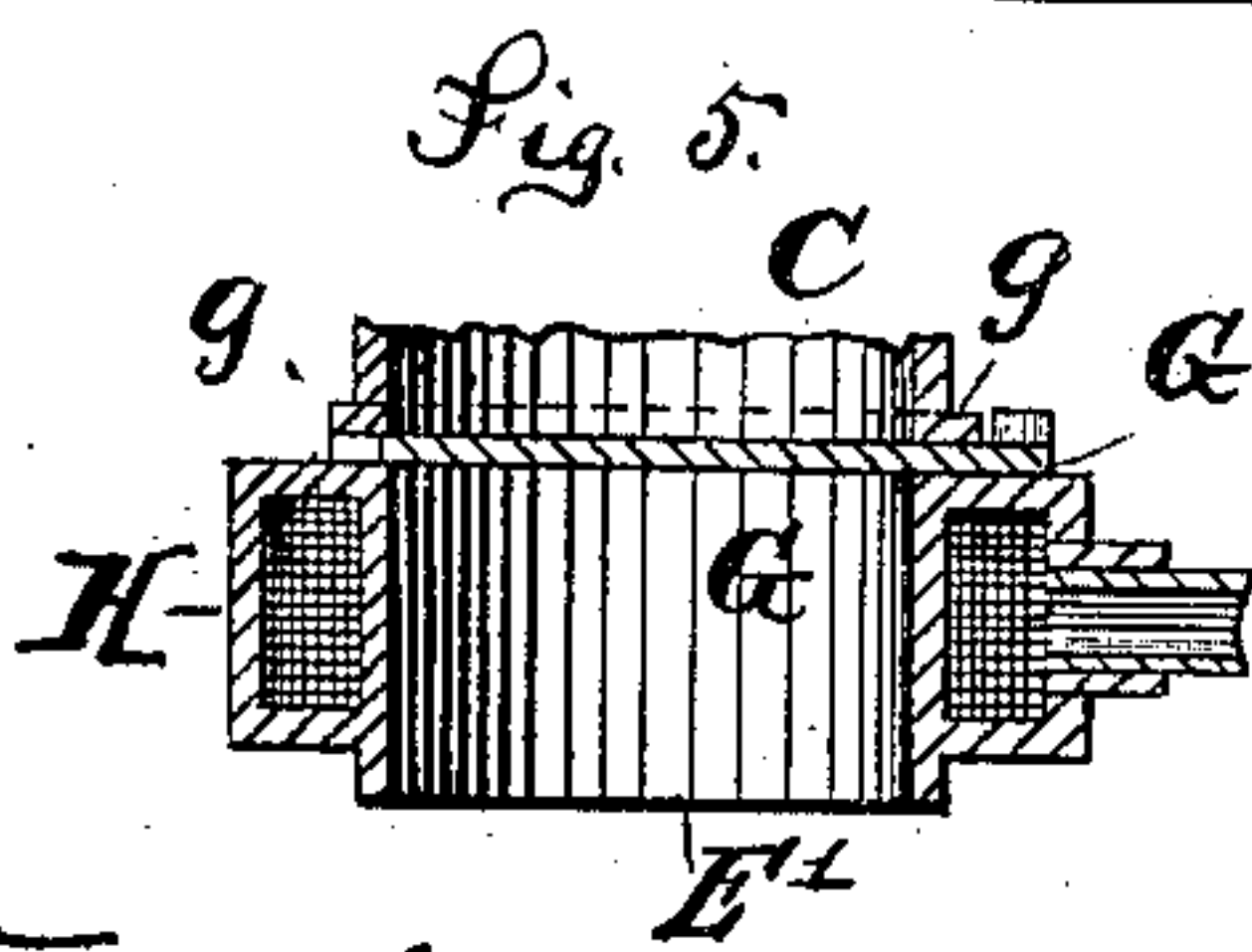
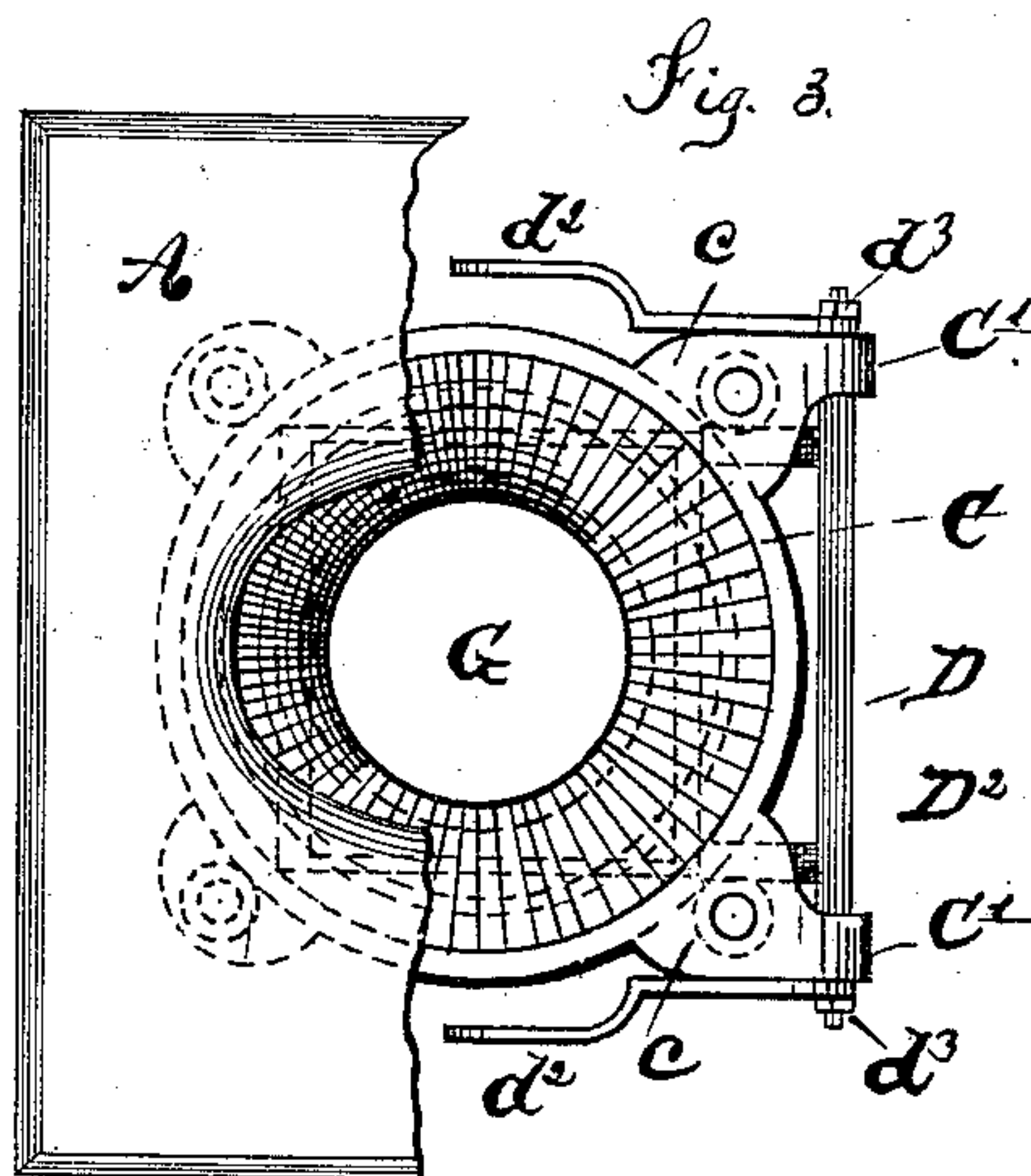
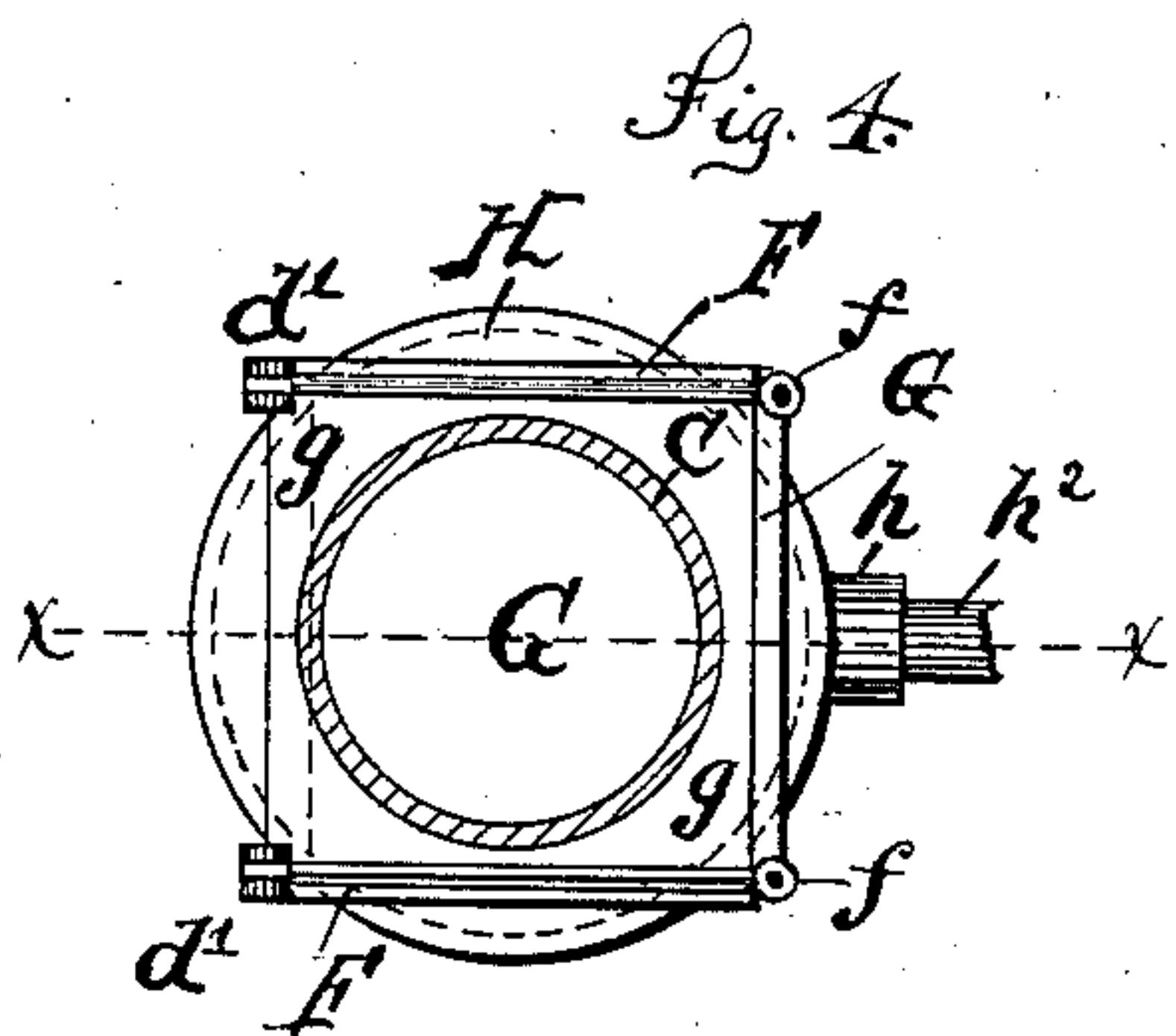
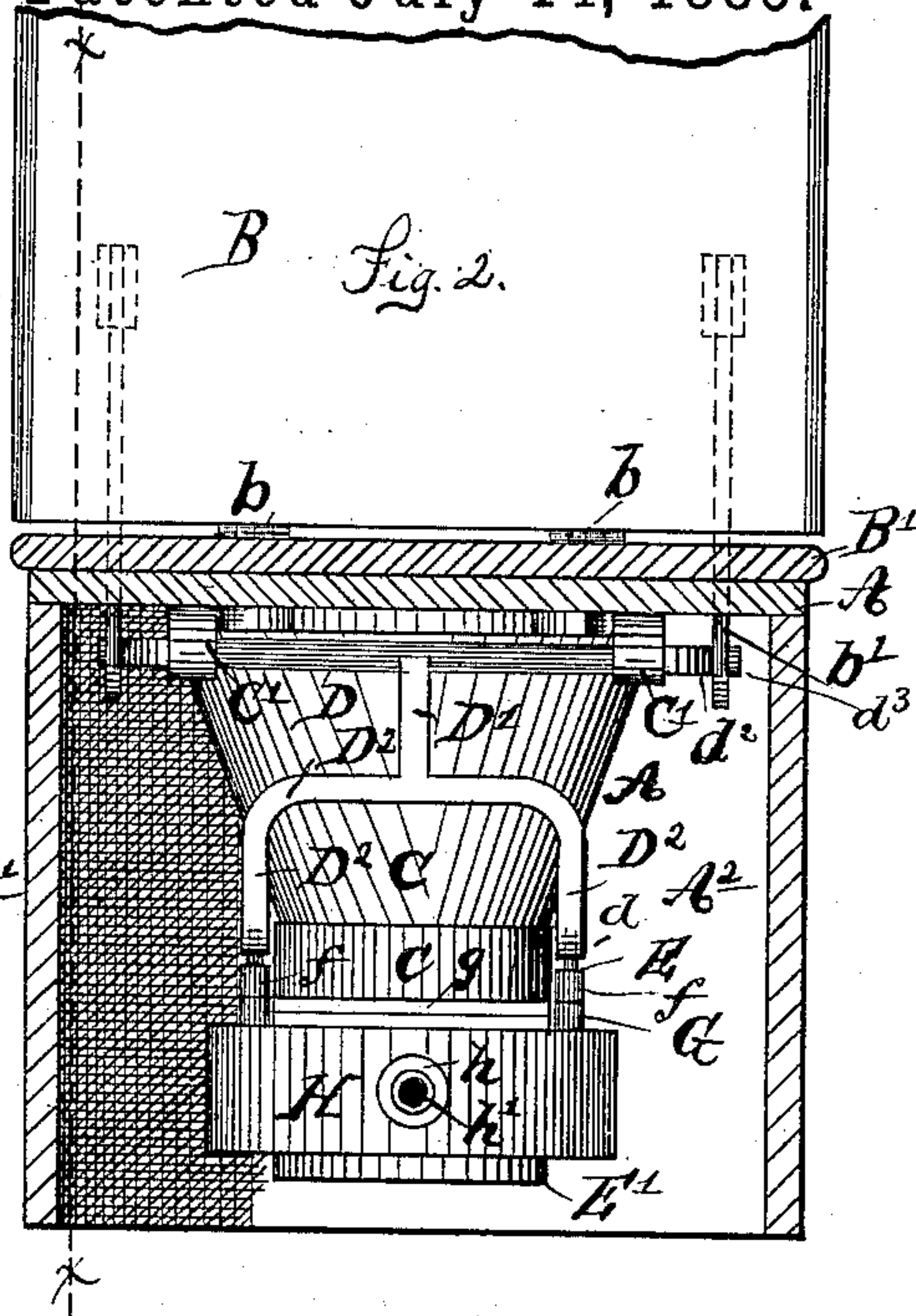
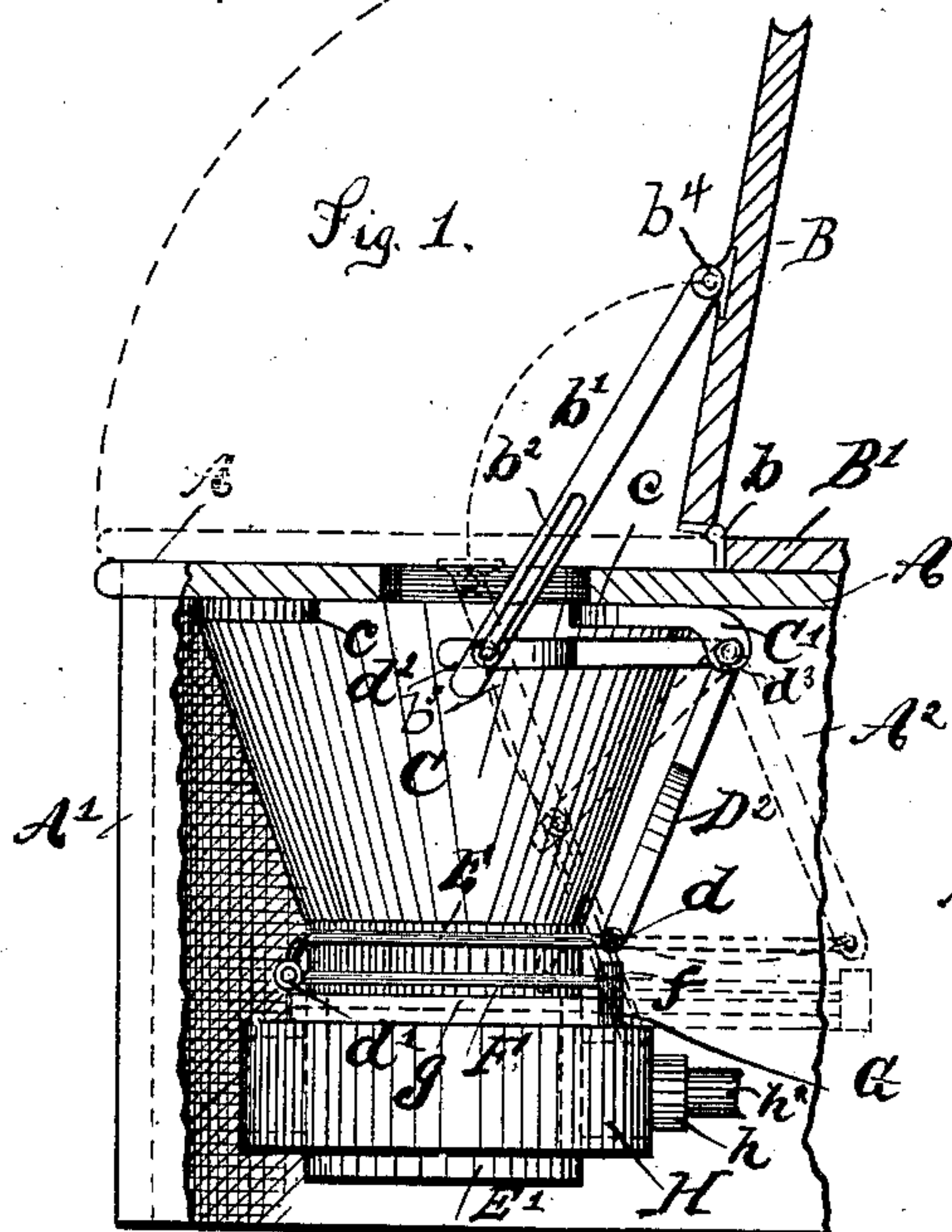
(No Model.)

J. D. EVANS & G. BOGART.

RAILWAY CAR CLOSET.

No. 321,958.

Patented July 14, 1885.



Witnesses
John C. Miller
L. W. Shaw.

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UNITED STATES PATENT OFFICE.

JAMES D. EVANS AND GARRETT BOGART, OF SCRANTON, PENNSYLVANIA.

RAILWAY-CAR CLOSET.

SPECIFICATION forming part of Letters Patent No. 321,958, dated July 14, 1885.

Application filed March 25, 1885. (No model.)

To all whom it may concern:

Be it known that we, JAMES D. EVANS and GARRETT BOGART, of Scranton, in the county of Lackawanna and State of Pennsylvania, have invented a new and useful Improvement in Railway-Car Closets; and we do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The object of this improvement is to secure greater comfort in the use of a railroad-car closet by providing the lower part of the receptacle thereof with a sliding plate, connected in such a way with a hinged cover for the closet-seat that the operation of the cover, which must be raised before the seat can be used, will cause the sliding plate to close the lower part of the receptacle, and thus exclude the cold air, and also to provide the lower part of the receptacle with a chamber to be supplied with hot air for the purpose of overcoming the great discomfort due to the extreme chilling of the seat in cold weather. These results are attained by the mechanism illustrated in the drawings herewith filed as part hereof, in which the same letters of reference denote the same parts in the different views.

Figure 1 is a side elevation, partly in section, representing a railroad-car closet embodying the features of our improvement. Fig. 2 is a sectional rear elevation of the same. Fig. 3 is a plan view with parts removed. Fig. 4 is a transverse section. Fig. 5 is a vertical section of the part shown in Fig. 4.

A is the seat, provided with the usual opening, as shown in Fig. 3. B is a cover for the seat A, connected by hinges *b* to a transverse piece, B', which, with the vertical pieces A' A'', forms an inclosure for the receptacle C, which may be constructed, in whole or in part, of sheet or cast iron, or both, or any suitable material. The receptacle C is provided with lugs *c c*, to be suitably secured thereto or made integral therewith, and provided with perforations for the purpose of securing the receptacle to the seat A.

The rearward lugs, *c*, are provided with

downwardly-curved perforated extensions or eyes C', for the reception of a lever, D D', having arms D², provided at their ends with slotted eyes *d*, for a purpose hereinafter set forth.

Pivoted to the hinged seat-cover B, as shown at *b*⁴, are arms *b*¹, provided with slots *b*², and which are connected by means of pins *b*⁵ with levers *d*², which are rigidly secured at their rear ends, as shown at *d*³, to the lever D D' D², which, by means of eyes *d*, are pivotally connected to rods E, which are pivotally connected at their opposite ends to rods F, which are provided at their opposite ends with vertical eyes *f*, by means of which they are rigidly secured to a plate, G, which fits within a recess formed by a rectangular extension, *g*, of the receptacle C, whereby the latter may be secured in any suitable manner to a cylinder, E', having an annular recess, H, provided with an opening, *h*, and pipe *h*', for the introduction of hot air into the recess H.

When the cover B is raised, as shown, which must be done before the seat can be used, the arms *b*, pivoted to the cover B, will engage with the levers *d*², which will operate the lever D D' D², and move the sliding plate G inward, as shown in Figs. 1 and 2, and close the receptacle, as more fully shown in Figs. 3, 4, and 5.

When the seat is closed by lowering the cover B, the pivoted arms *b*¹ will, after traveling the distance of their slots *b*², engage with the levers *d*², and by moving the plate G and intermediate connections outward, as indicated by the dotted profile lines in Fig. 1, the plate G will be discharged and cleaned of the deposit by such operation.

By the introduction of hot air into the chamber H heat will be communicated through the receptacle C to the seat A, and the chilling sensation otherwise inseparable from the use of the closet will thus be precluded.

Having explained the construction and operation of our improvement, what we claim as new, and desire to secure by Letters Patent, is as follows:

1. The combination of the receptacle C, sliding plate G, rods E F, levers D D' D² d³ d³, arms b' b', and seat-cover B, all arranged to operate as and for the purpose set forth.
- 5 2. The cylinder E', provided with an annular recess, H, and opening h, in combination with the receptacle C, for the purpose of warming the seat A, as specified.

In testimony whereof we affix our signatures in presence of two witnesses.

JAMES D. EVANS.
GARRETT BOGART.

Witnesses:

J. A. MERRILL,
MELVIN I. CORBETT.