

No. 614,118.

Patented Nov. 15, 1898.

A. LUNDSTROM.
TAILOR'S STOVE.

(Application filed Apr. 23, 1898.)

(No Model.)

Fig. 3.

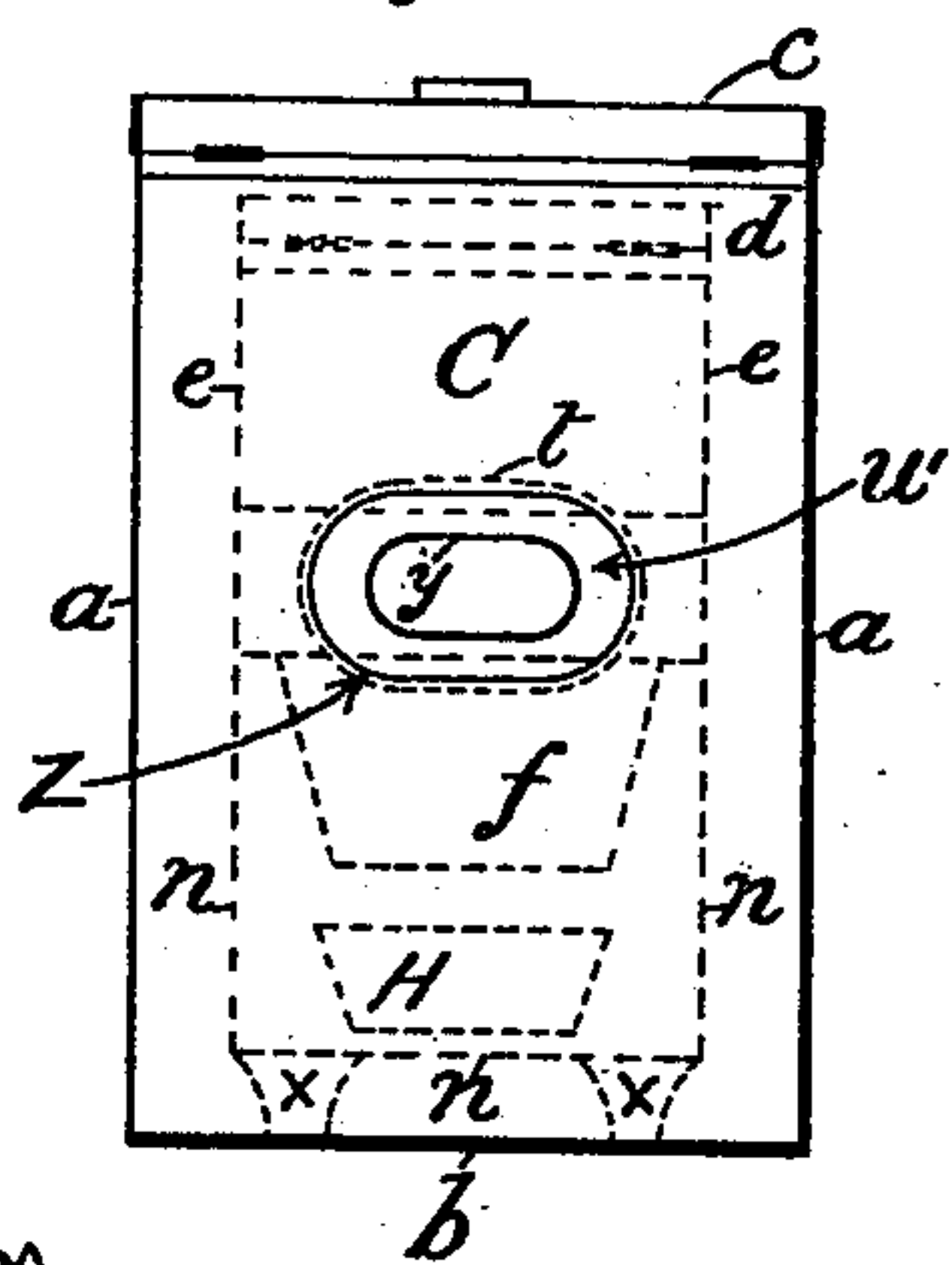


Fig. 6.

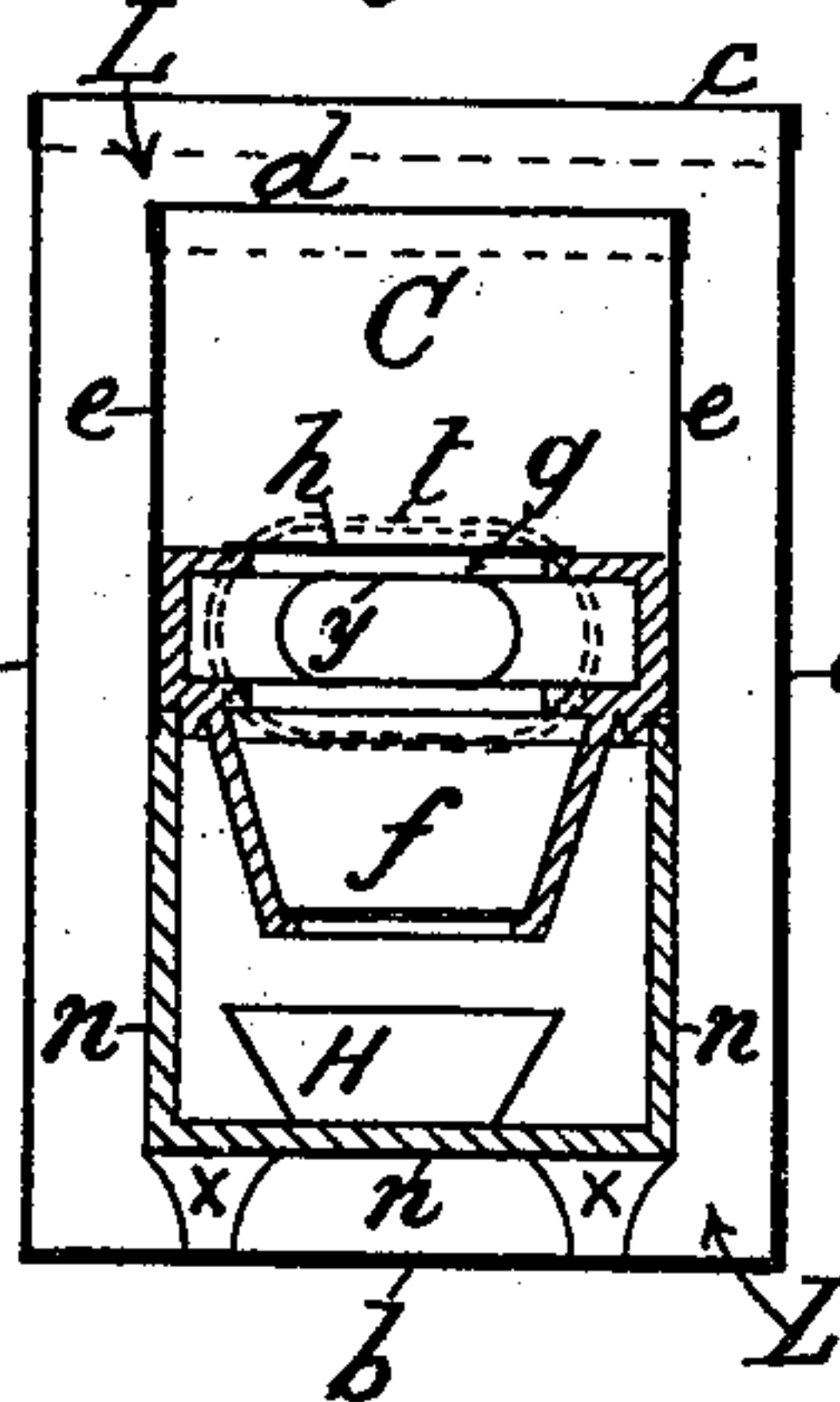


Fig. 2.

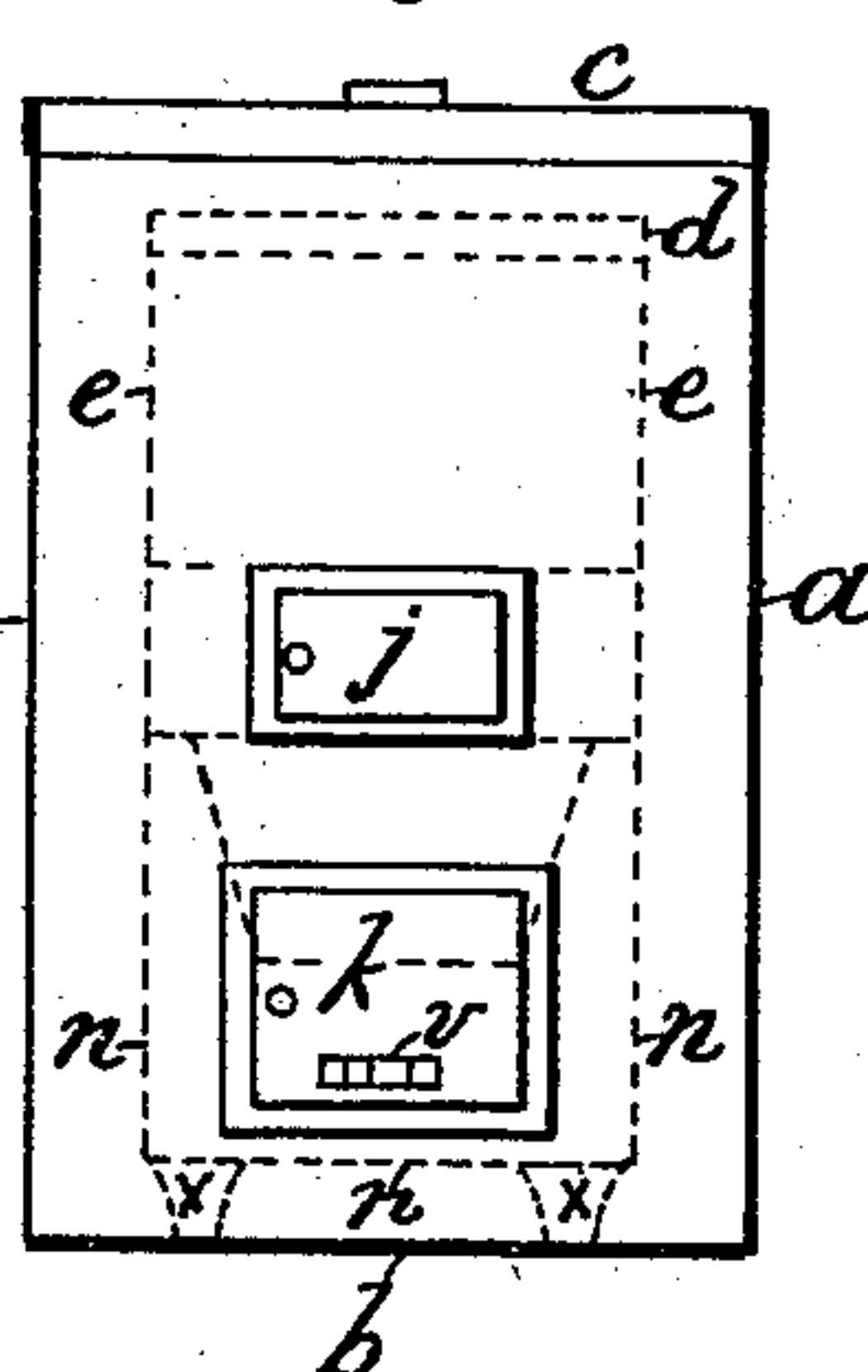


Fig. 5.

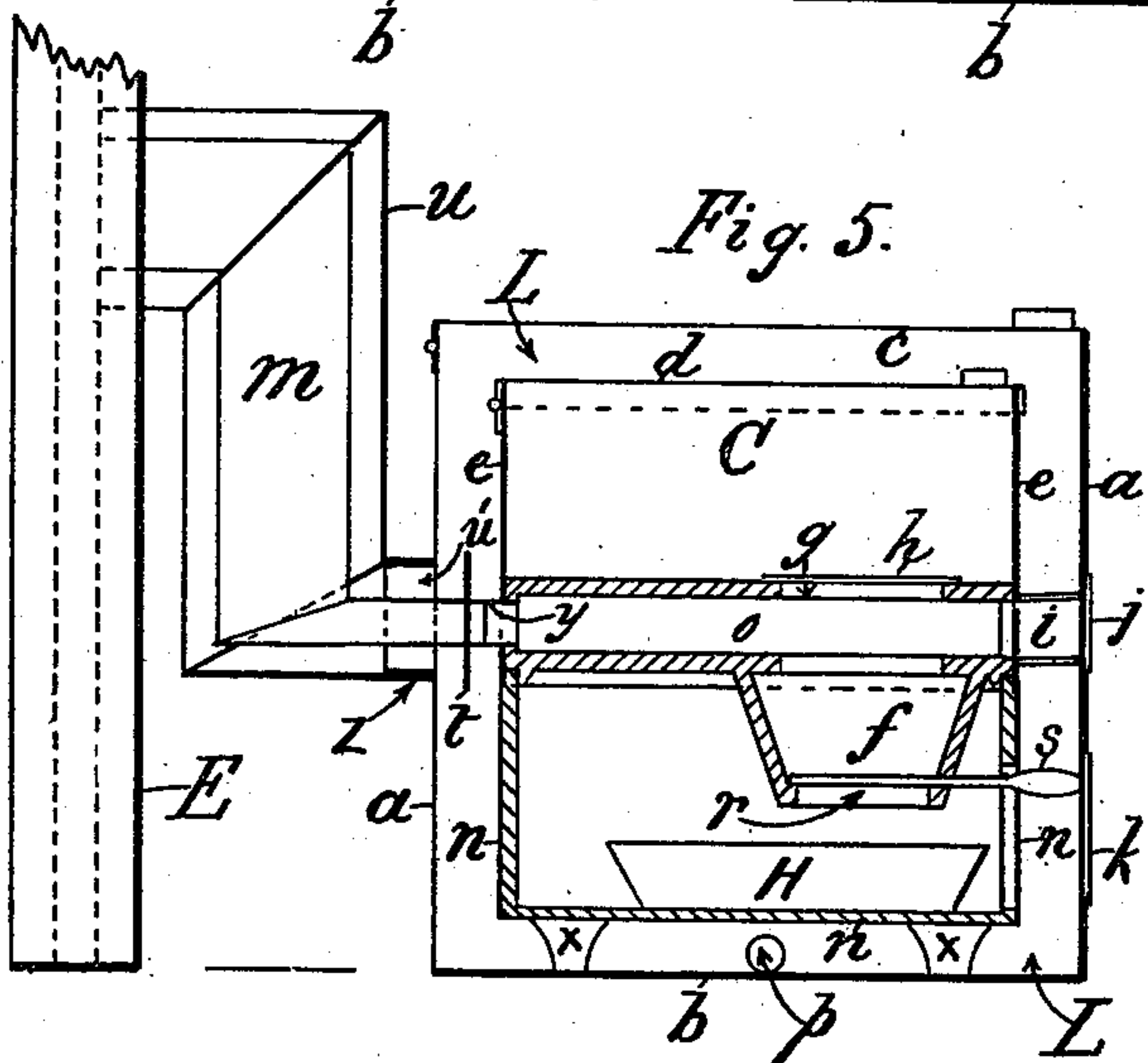


Fig. 4.

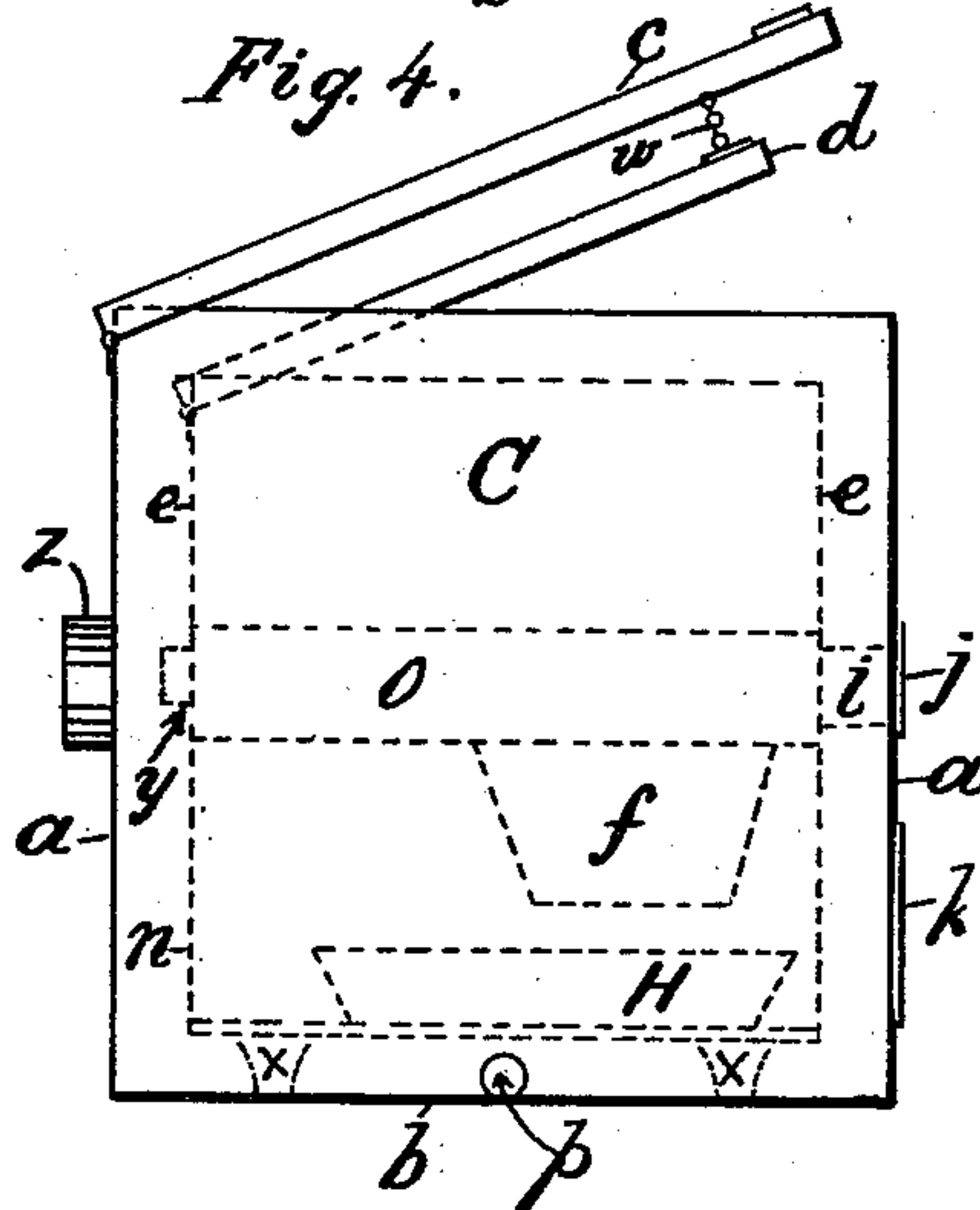
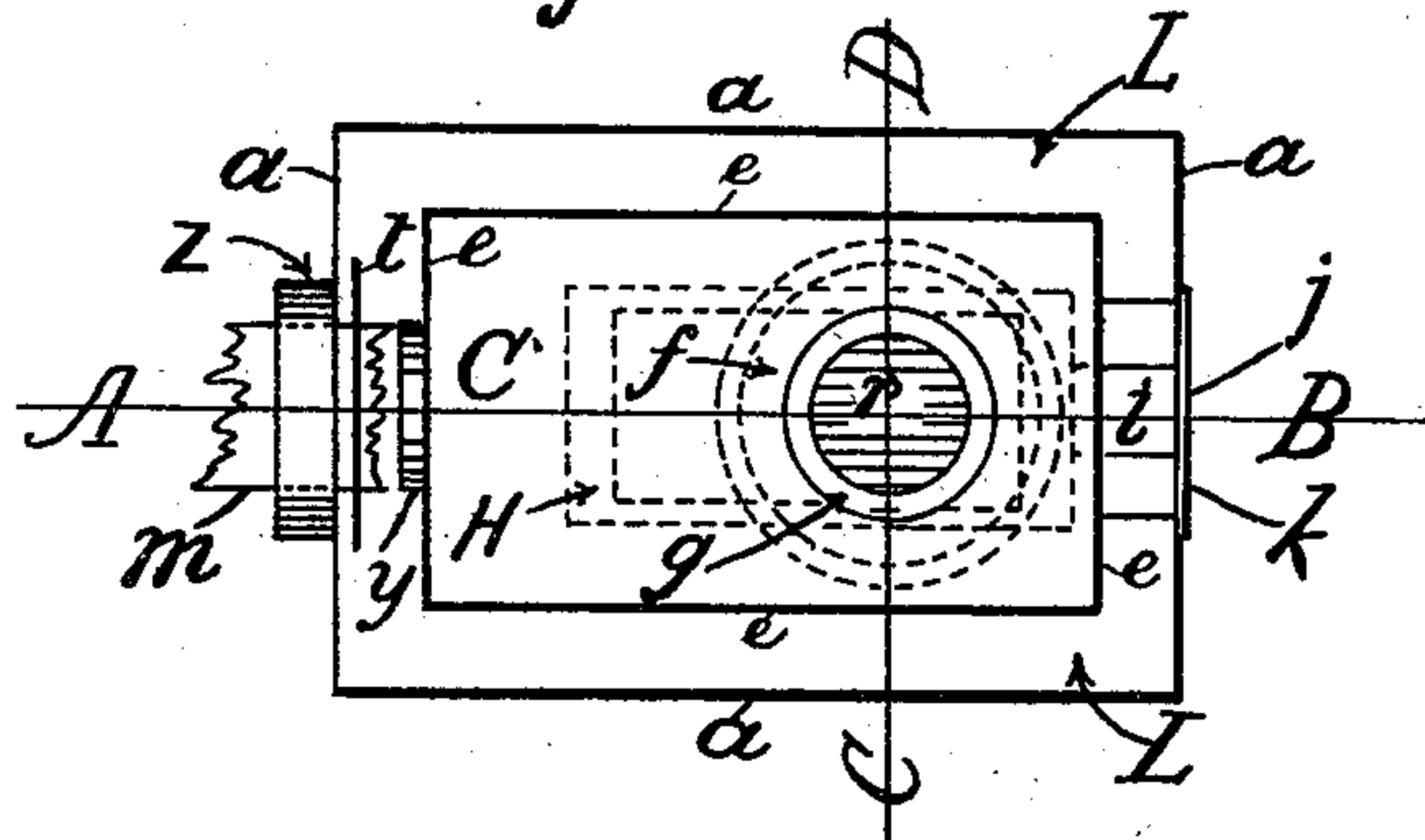


Fig. 1.



Witnesses
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UNITED STATES PATENT OFFICE.

ALBERT LUNDSTROM, OF TRURO, CANADA.

TAILOR'S STOVE.

SPECIFICATION forming part of Letters Patent No. 614,118, dated November 15, 1898.

Application filed April 23, 1898. Serial No. 678,594. (No model.)

To all whom it may concern:

Be it known that I, ALBERT LUNDSTROM, a British subject, residing at Truro, in the county of Colchester, in the Province of Nova Scotia and Dominion of Canada, have invented new and useful Improvements in Tailors' Stoves, of which the following is a specification.

My invention relates to improvements in the tailor's stove patented by me in the United States May 9, 1893, No. 497,029; and the objects of my invention are, first, to provide for conducting the surplus hot air generated in the stove to the chimney-flue, and, second, to obviate the necessity for the use of bricks in any position. I attain the first object by means of a hot-air-outflow pipe, preferably as illustrated and as stated below, and the second object also by means of the mechanism illustrated in the accompanying drawings, according to the accompanying description.

Figure 1 is a plan of a stove, with the covers removed, embodying my invention. Fig. 2 is a front elevation of a stove embodying my invention. Fig. 3 is a back elevation of the same. Fig. 4 is a side elevation of the same with the covers partially open. Fig. 5 is a vertical section on line A B of Fig. 1. Fig. 6 is a cross-section on line C D of Fig. 1.

Similar letters refer to similar parts throughout the several views.

In the drawings, *a a a a* is the exterior casing, which is made of tin or other sheet metal.

n n n n is the lower part of the interior casing, which is preferably of cast-iron.

e e e e is the upper part of the interior casing, which is made of sheet metal and rests on the lower part of the interior casing *n n*.

x x x x are the feet which support the interior casing.

b is the base, which is of sheet metal, resting on the floor and on which both the exterior and interior casings are placed.

c is the cover of the exterior casing, which is of sheet metal, flanged to shut down on the outside, and is hinged at the back.

d is the cover of the interior casing, which is also of sheet metal, flanged to shut down on the outside, is hinged at the back, and con-

nected to the exterior cover *c* by means of the chain *w*.

L L is a hot-air space surrounding the interior casing.

f is a circular fire-pot for fuel, made of cast-iron and supporting the fire-grate *r* at its bottom.

s is a handle for manipulating the fire-grate *r*.

o is the radiating-chamber, which is of cast-iron and connected with the fire-pot *f*.

y is the smoke-pipe thimble, connected with the radiating-chamber *o* and projecting through the sheet-metal casing.

i is the coal-chute for feeding the fire.

j is the coal-chute door.

g is a circular opening in the top of the radiating-chamber *o*, through which fuel may also be inserted into the fire-pot *f*.

h is a cover for the opening *g*.

H is the ash-pan.

k is a door for the removal and insertion of the ash-pan *H* and for manipulating the grate *r*.

v is the draft-regulator in the door *k*.

p p are openings for the admission of air into the air-space *L L* between the exterior and interior casings.

C is a hot-air chamber in which the tailors' irons are placed to be heated, resting on the top of the radiating-chamber *o*.

u' is an opening in the exterior casing for the exit of surplus hot air.

z is a thimble surrounding the opening *u'* and secured to the casing *a* for the reception of the outflow-pipe.

m is the smoke-pipe, which is connected to the thimble *y* and passing across the air-space *L L* out through the opening *u'* in the exterior casing and is carried to the chimney *E*.

u is a hot-air pipe connected to the thimble *z* and inclosing the smoke-pipe *m* to its terminus in the chimney *E* at a sufficient distance from said pipe *m* to allow of the free escape of the surplus hot air of the stove into the chimney or flue. I do not confine myself to having this hot-air-outflow pipe inclose the smoke-pipe *m*; but it can be connected to the exterior casing in the most desirable position and enter the chimney in the most advantageous manner.

t is a loose collar or ring resting on the smoke-pipe *m* between the exterior and interior casings of the stove and made to move easily in either direction on said pipe, and is
 5 for the purpose of regulating the escape of hot air from between the said casings. Said ring or collar when moved toward the casing *e* will cause the heated air within the air-space L L to escape by the pipe *u* into the chimney
 10 when the cover *c* is closed and when moved to the casing *a* will cause the heated air to escape into the room when the cover *c* is open.

In using the above-described improved stove the fuel is placed in the fire-pot *f* and
 15 ignited. The tailors' irons to be heated are placed within the hot-air chamber C, and the covers *c* and *d* are closed. The supply of air to the fire is governed by the draft-regulator *v* in the door *k*.

20 In hot weather, it being desirable to prevent the heat of the stove from radiating into the work-room, the collar or ring *t* is moved against the interior casing, thereby opening the outlet *u'* and allowing the hot air which
 25 radiates from the interior casing into the air-space L L to pass off into the chimney by the pipe *u*.

Having described and illustrated the nature, construction, and operation of my inven-

tion, what I claim as new, and desire to se- 30
 cure by Letters Patent, is—

1. A tailor's stove, consisting of two metal casings or boxes arranged one within the other and having an air-space between them, each casing or box having a hinged cover and rest- 35
 ing on a metal base, the exterior casing or box having cool-air inlets and a hot-air-outflow pipe, the interior casing or box having and consisting of a draft-regulator, a fire-pot, a radiating-chamber, a smoke-pipe, and a hot- 40
 air chamber; substantially as, and for the purpose hereinbefore set forth and described.

2. A tailor's stove, consisting of the following combined parts, two metal casings or boxes arranged one within the other, and hav- 45
 ing an air-space between their ends, sides, top, and bottoms, the movable regulating-collar *t*, hinged covers on both casings, cool-air inlets, a hot-air-outflow pipe connected with the flue or chimney, a coal-chute, a coal-chute 50
 door, an ash-door, an ash-pan, a fire-pot, a grate, a radiating-chamber, and a smoke-pipe; substantially as, and for the purpose hereinbefore set forth and described.

ALBERT LUNDSTROM.

Witnesses:

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