

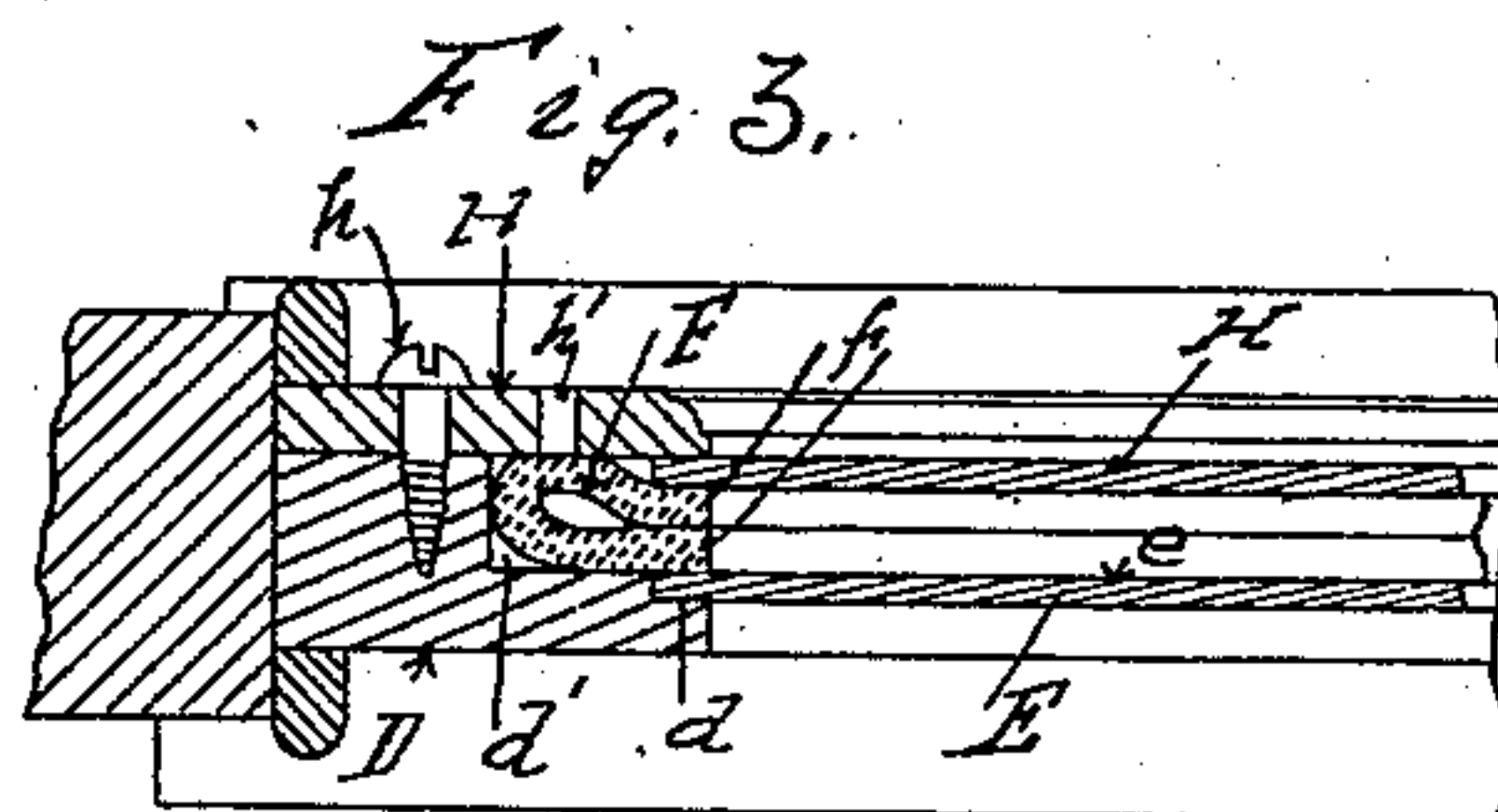
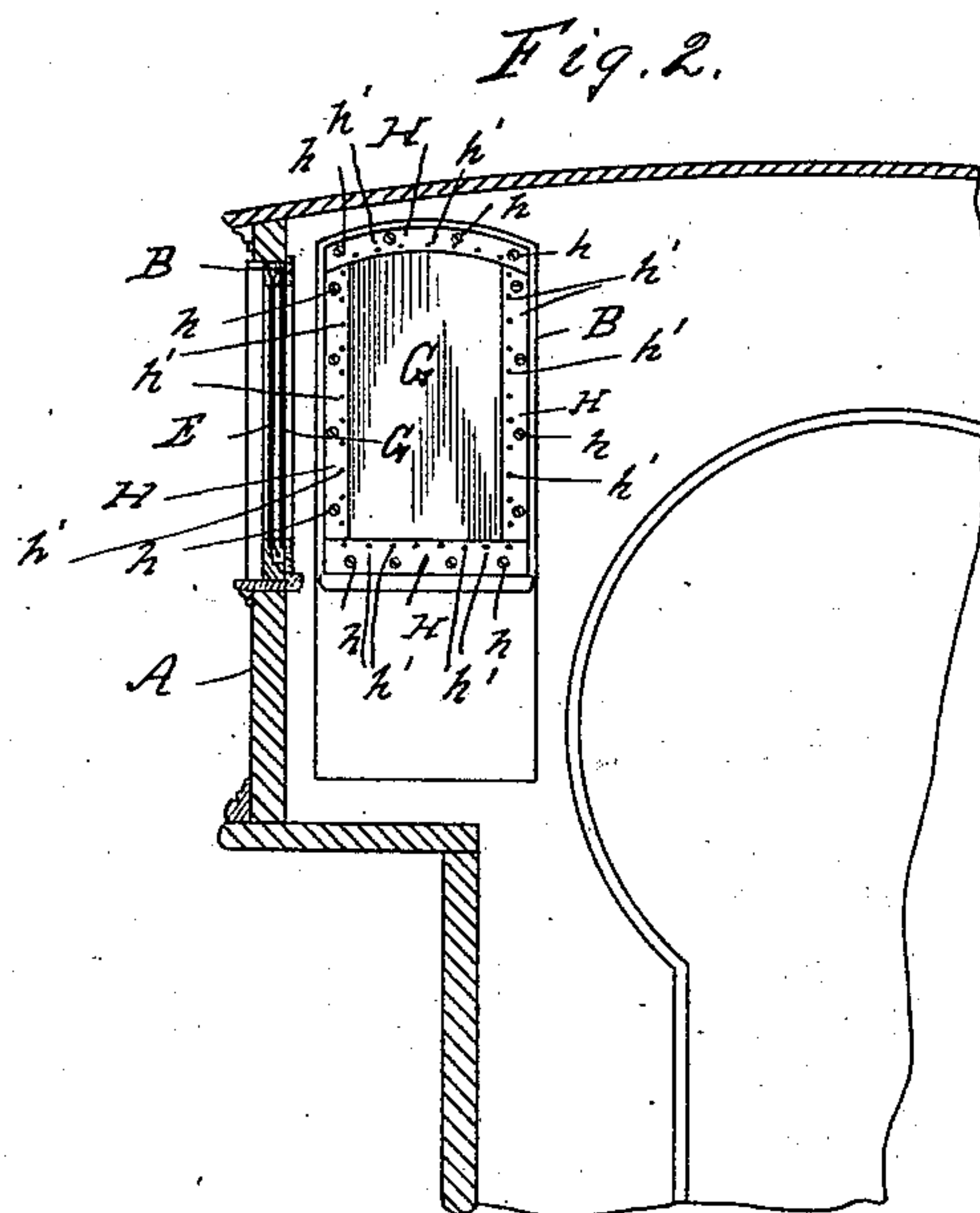
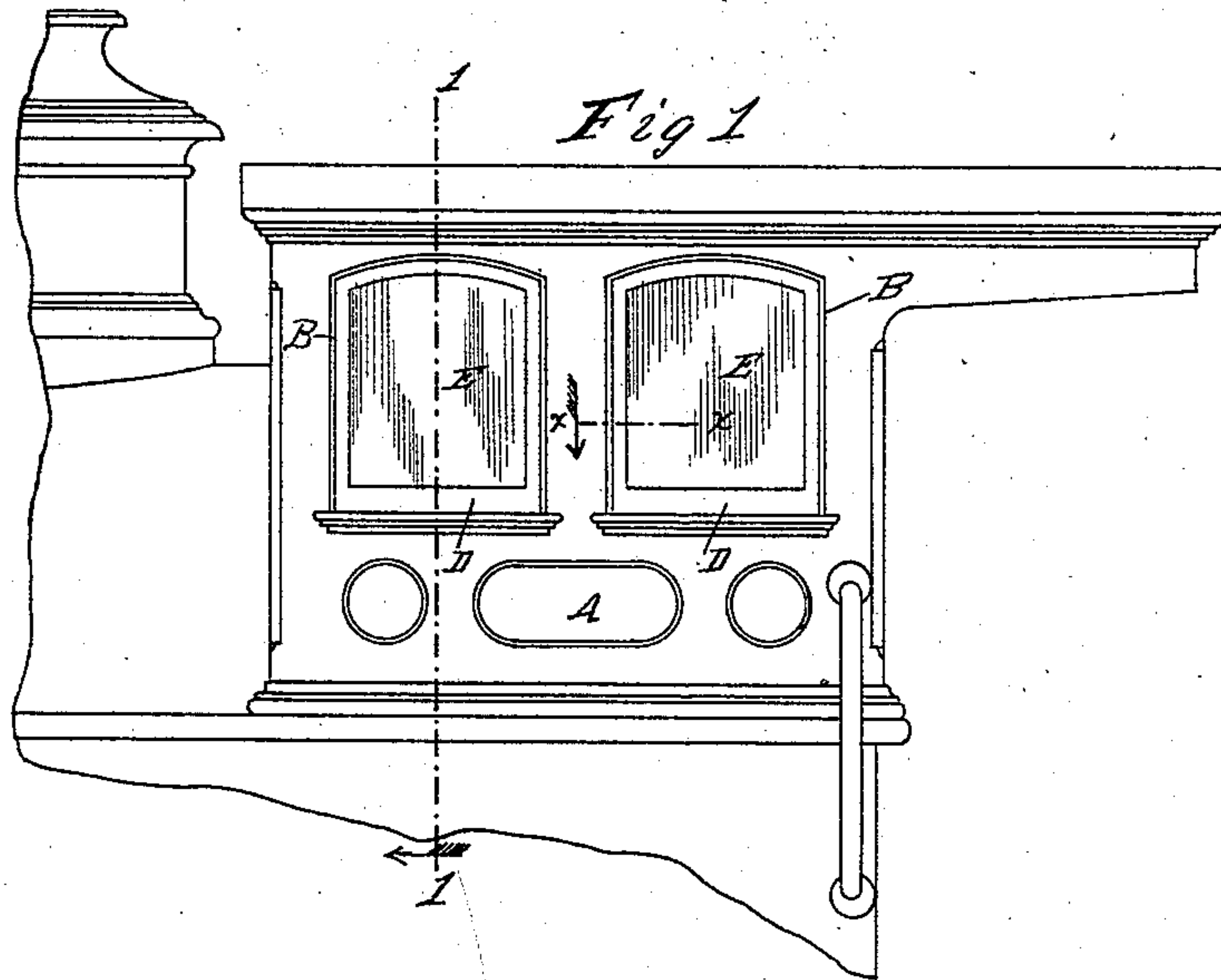
(No Model.)

A. CAREY.

WINDOW FOR LOCOMOTIVE CABS OR OTHER STRUCTURES.

No. 539,975.

Patented May 28, 1895.



WITNESSES.
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WINDOW FOR LOCOMOTIVE-CABS OR OTHER STRUCTURES.

SPECIFICATION forming part of Letters Patent No. 539,975, dated May 28, 1895.

Application filed March 16, 1895. Serial No. 542,005. (No model.)

To all whom it may concern:

Be it known that I, ALBERT CAREY, a citizen of the United States, residing at Kane, in the county of McKean and State of Pennsylvania, have invented certain new and useful Improvements in Windows for Locomotive-Cabs or other Structures; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, forming part of this specification.

My invention consists in the improvement in windows for locomotive cabs and other structures, hereinafter set forth and explained and illustrated in the accompanying drawings, in which—

Figure 1 is a side view of a locomotive-cab embodying my improved windows. Fig. 2 is a vertical section of the same on the line 1 1 in Fig. 1, looking in the direction of the arrow. Fig. 3 is a detail view on the line *xx* in Fig. 1, showing a section of my improved window.

The object of my invention is to construct a window for locomotive cabs and other structures, so that at all times it will be free from any accumulations of frost or dampness, which will in any wise obstruct or intercept the view of a person looking through such window.

In previous instances double windows have been used, the space between the two glasses being filled with water or other transparent fluid, heated by means of steam pipes or other heating mechanism connected therewith for that purpose, or filled with a transparent non-congealable fluid, such as alcohol or benzine.

I construct my improved window with double glass, and between the edges of the glass I place a packing of some absorbent material, by means whereof the dampness in the air contained between the two glasses is speedily absorbed, so that it becomes abnormally dry, and is retained in that state, thereby effectually preventing the accumulation of any frost or dampness upon either the outside or

inside panes of glass, so that at all times the view is wholly unobstructed.

In the accompanying drawings illustrating my invention, A is a locomotive cab, and B the windows therein. In the edge of the sash D of these windows, I cut a groove *d* adapted to receive the edge of the outside glass E, and I cut a larger groove *d'*, the bottom of which is substantially on a plane with the inside surface *e* of the glass E. In this groove *d* I place a strip of highly absorbent material—for example a folded strip F of prepared felt packing, so that the inner edges *f* thereof overlap the edge of the outside glass E; and upon these folded edges *f* of the packing I place the inner glass G, so that the edges *f* of this packing keep the two glasses E and G a short distance apart, and form a semi-air tight packing around the edges of said glass. The larger part of this packing forms a fold *f'* and projects beyond the edges of the glass and substantially fills the groove *d'* of the frame. To the inside of the frame D I secure a stop H by means of screws *h*, the inner edge of which stop projects over upon the edge of the inner glass G, and clamps it down upon the edge *f* of the packing F, so as to hold the glasses G and E firmly in place in the frame D. In the stop H, directly over the fold *f'* of the packing F, are openings *h'* which allow the warm dry air inside of the cab or room to act upon the packing to dry any moisture out of the packing which it may absorb from the air inclosed between the glasses E and G.

Having thus fully described my invention, so as to enable others to construct and use the same, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination in a window for locomotive cabs and other structures, of a frame having two glasses therein, an absorbent packing between the edges of said glass and projecting outward beyond the edges thereof, and stops for securing said glass in place, provided with openings therein over the projecting portion of the packing, substantially as and for the purpose set forth.

2. The combination in a window for loco-

motive cabs and other structures, of a frame D having grooves d and d' therein, an outer glass E mounted in the groove d , an absorbent packing F in the groove d' and projecting over the edge of the glass E, an inner glass G resting upon the inner edge f of the packing F, and a stop H having openings h' therein for securing said glasses and packing

in place, substantially as and for the purpose set forth. 10

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

ALBERT CAREY.

Witnesses:

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H. J. CURTZE.