

(No Model.)

2 Sheets—Sheet 1.

H. G. POWELL.

COMBINED HOUSEHOLD FURNITURE AND FIRE ESCAPE.

No. 364,668.

Patented June 14, 1887.

Fig. 1.

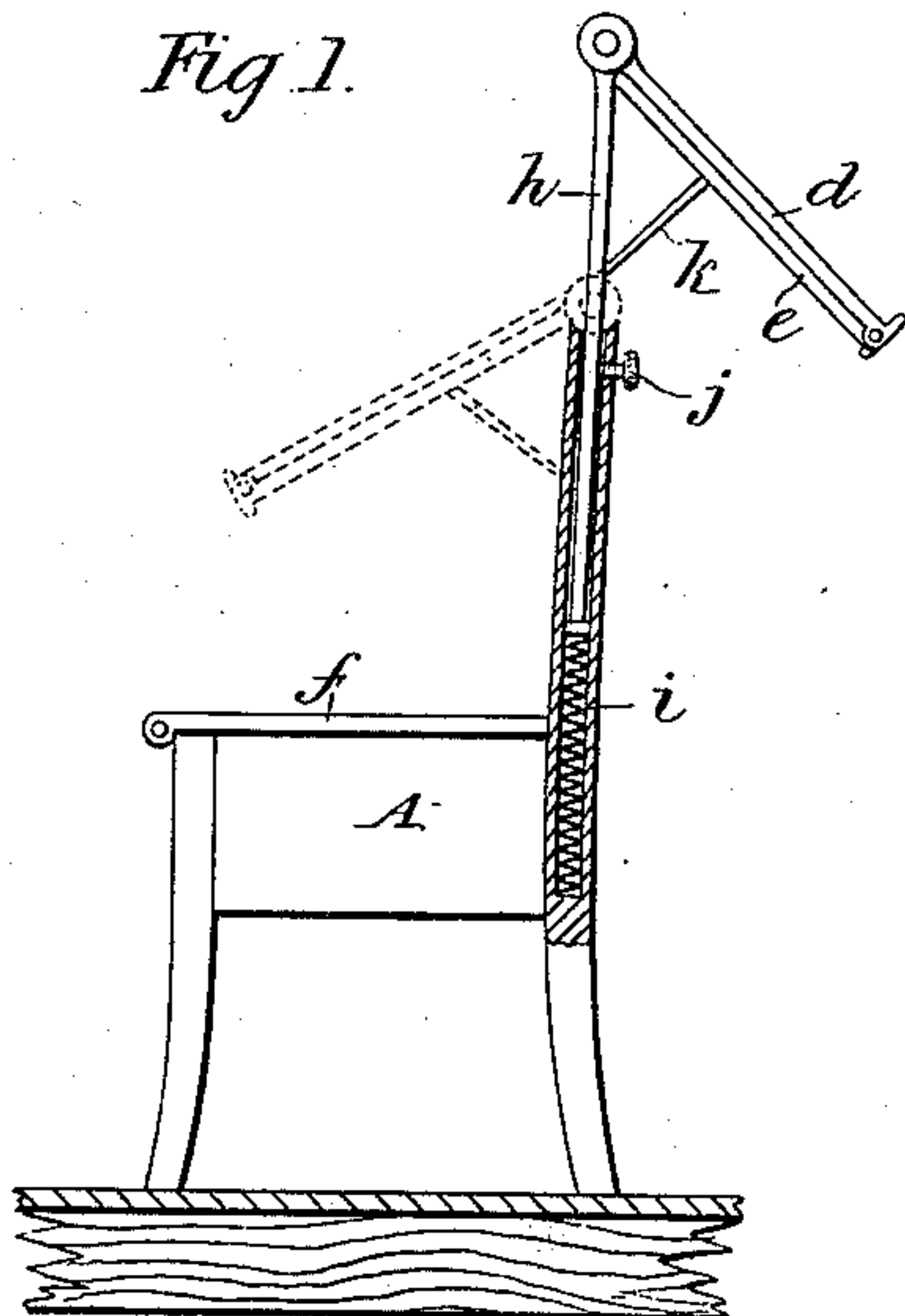


Fig. 2.

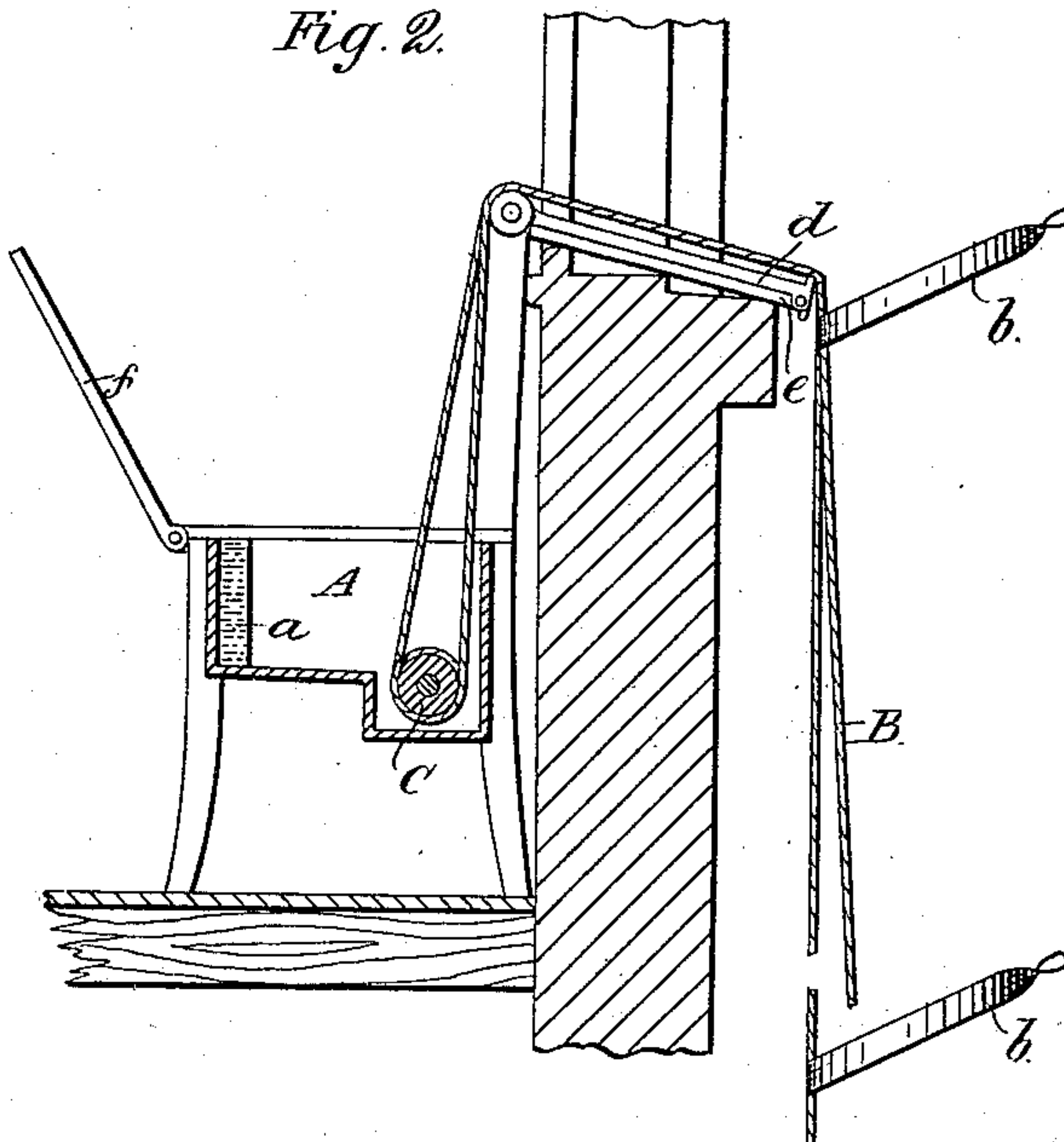


Fig. 3.

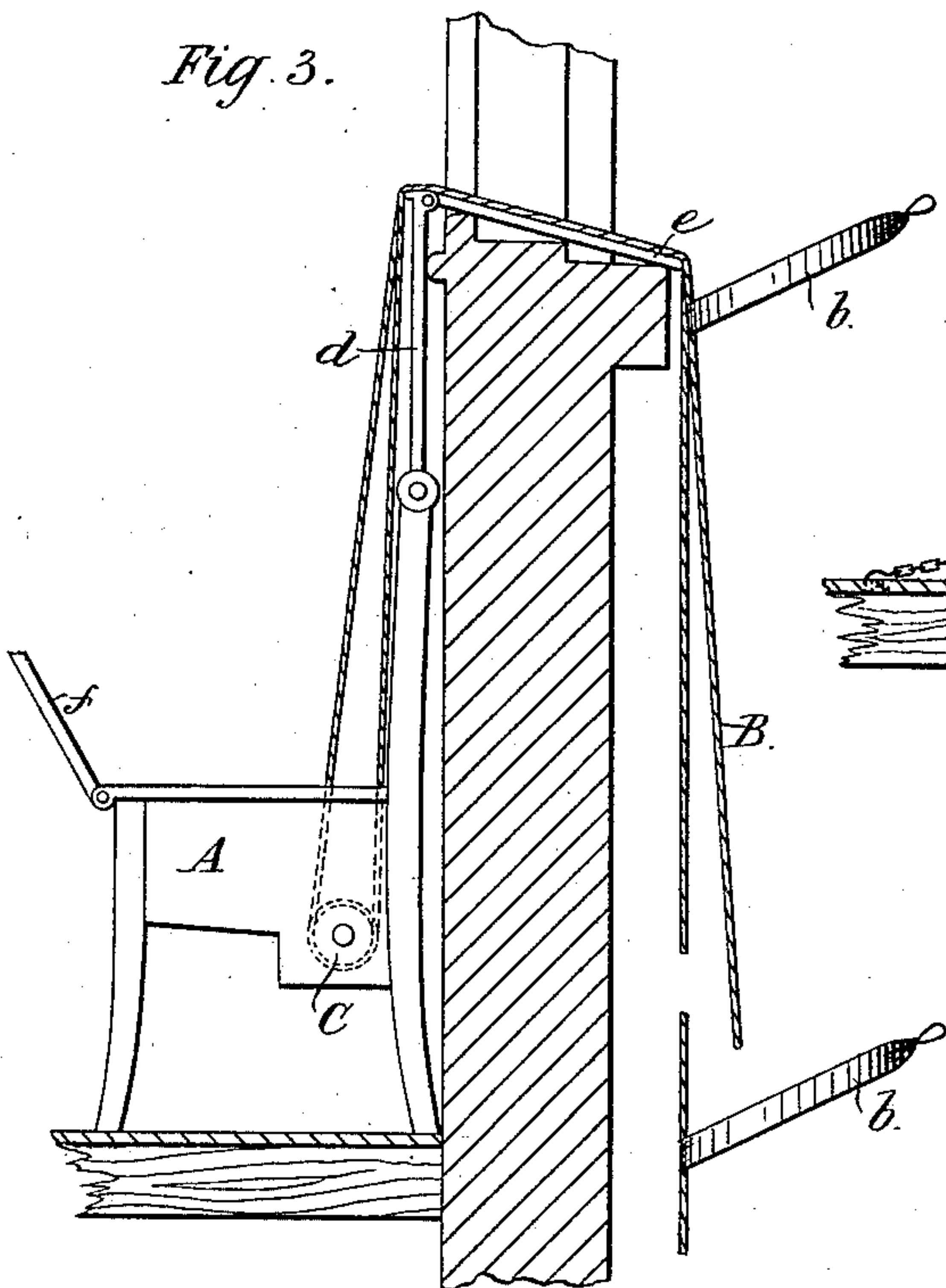
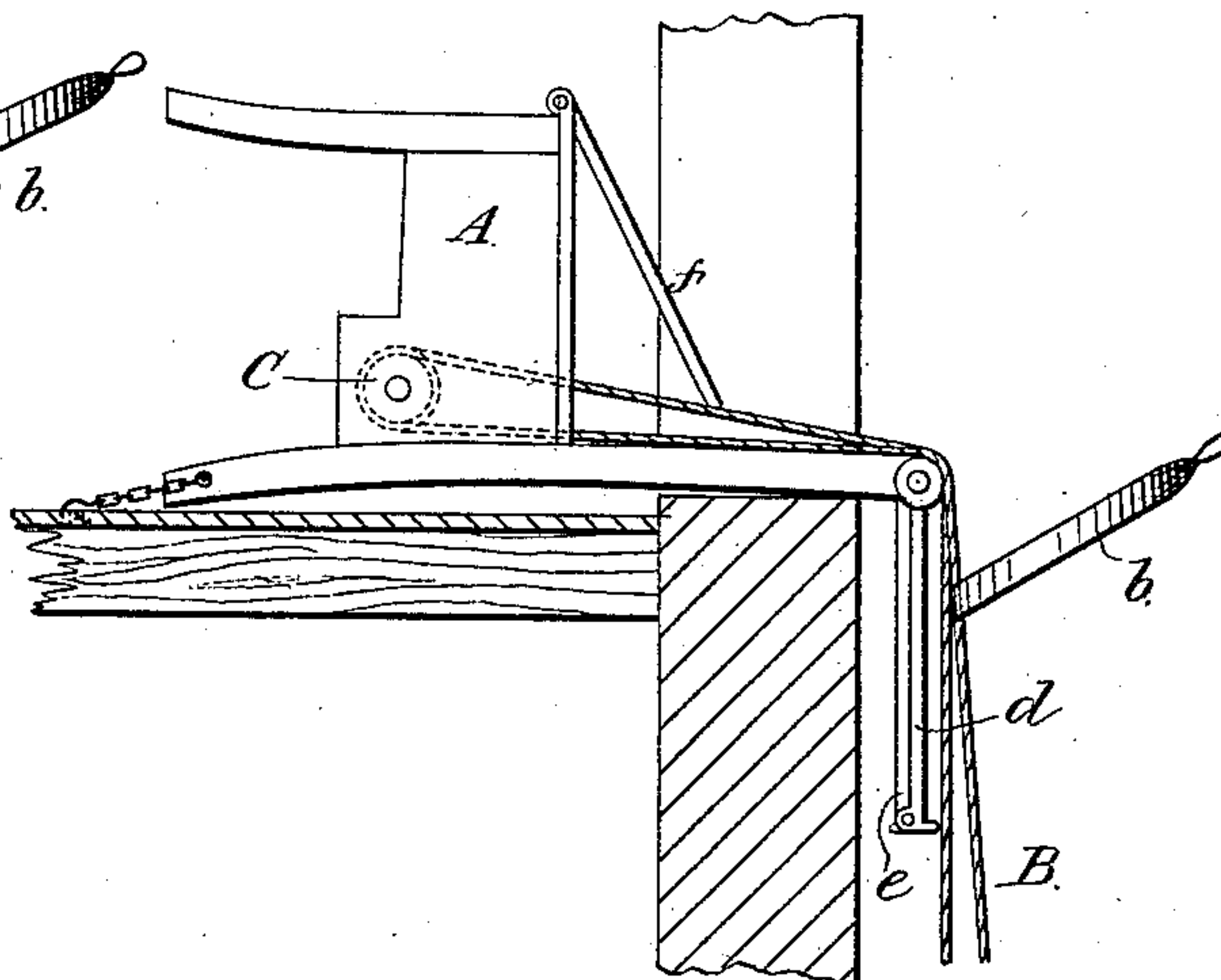


Fig. 4.



Witnesses.
Philip M. Justice
Allen Jones

Inventor.
H. G. Powell

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2 Sheets—Sheet 2.

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Fig. 5.

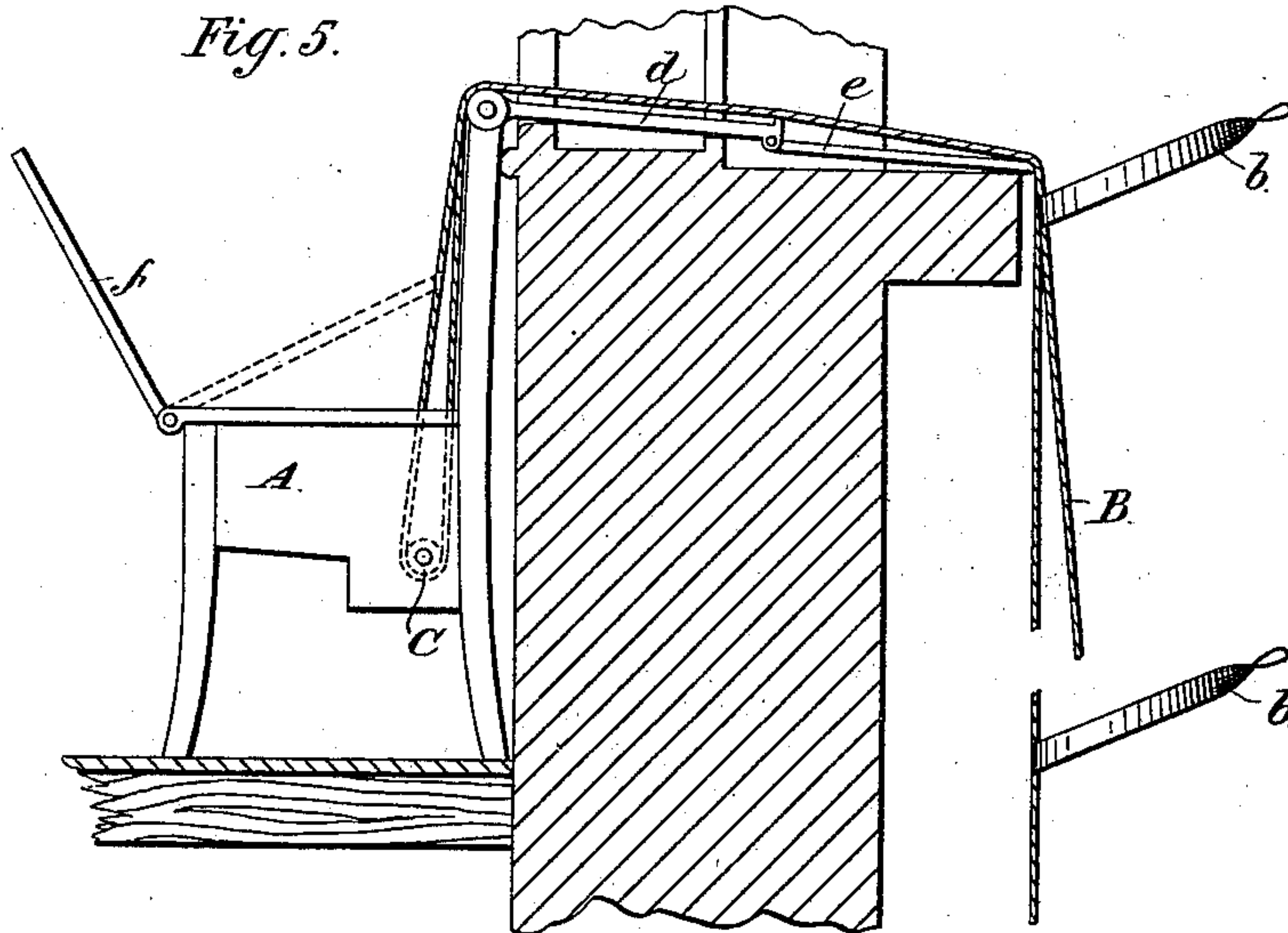
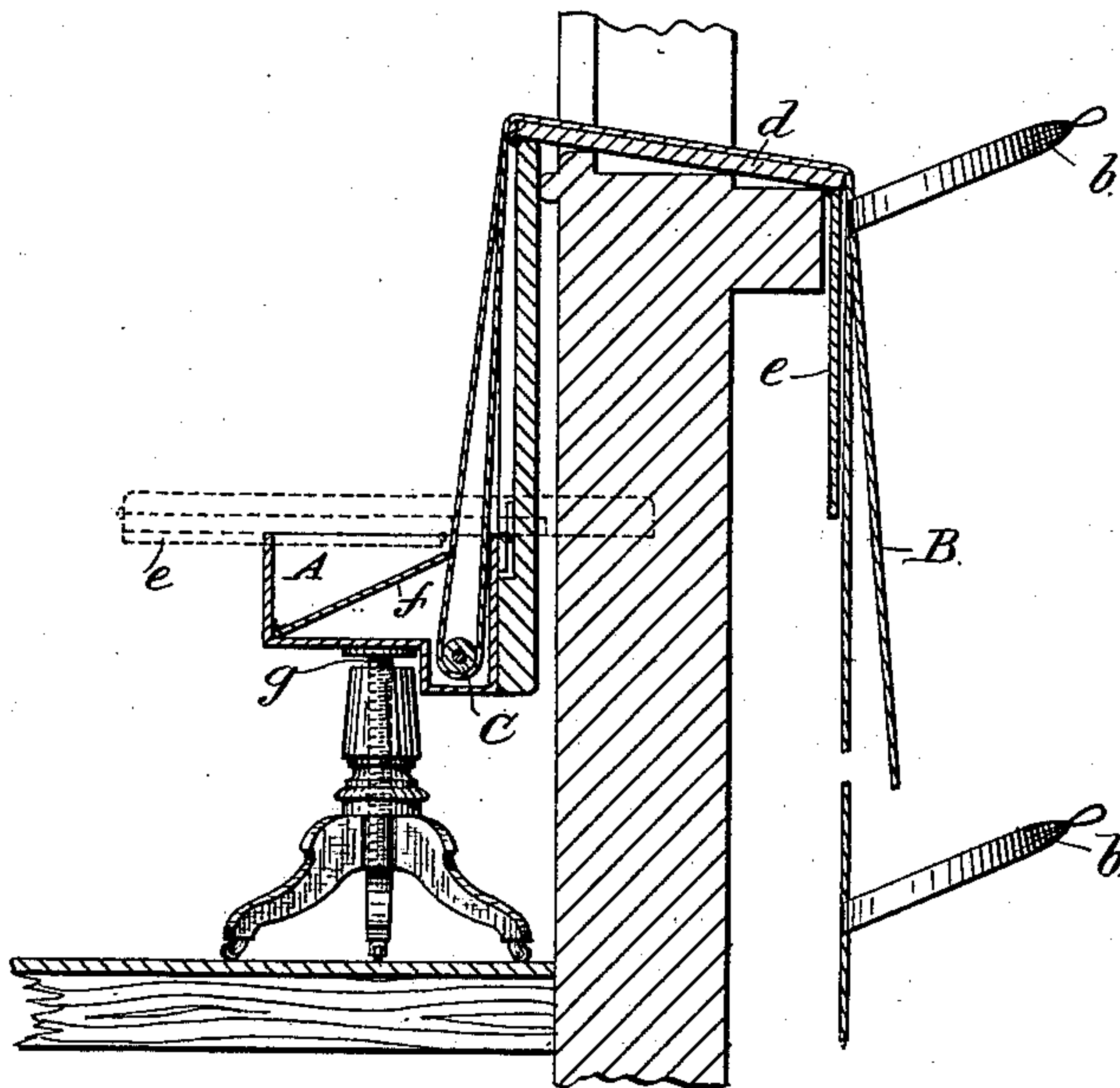


Fig. 6.



Witnesses.
Philip M. Justice
Allen S. Lane

Inventor
H. G. Powell

UNITED STATES PATENT OFFICE.

HENRY G. POWELL, OF BAYSWATER, COUNTY OF MIDDLESEX, ENGLAND.

COMBINED HOUSEHOLD FURNITURE AND FIRE-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 364,668, dated June 14, 1887.

Application filed January 20, 1887. Serial No. 224,883. (No model.)

To all whom it may concern:

Be it known that I, HENRY GEORGE POWELL, a subject of Her Majesty the Queen of Great Britain, residing at No. 40 Kensington Gardens Square, Bayswater, in the county of Middlesex, England, have invented a new and useful Improvement in Combined Household Furniture and Fire-Escapes, of which the following is a specification.

10 This invention relates to household furniture which is so arranged as to form, when needed, a fire-escape.

The invention consists in combining a peculiar construction of chair or table with a fire-escape, the parts being arranged and constructed as hereinafter set forth, reference being made to the accompanying drawings, in which—

20 Figure 1 represents a side elevation of a chair constructed in accordance with one part of my invention, the back being shown in section. Fig. 2 represents, partially in section, a somewhat similar chair, the back having one fold opened out over an ordinary narrow window-ledge with the fire-escape in position for use. Fig. 3 represents the chair with both folds opened out and adapted for a window, the ledge of which is some distance from the floor. Fig. 4 represents the chair and fire-escape in position for use with a "French" or casement window, door opening, or the like. Fig. 5 represents the chair and fire-escape in position where the window-ledge is a wide one; and Fig. 6 represents a table of a construction very similar to that of the chair, with the fire-escape in position for use.

In all the figures like letters of reference indicate like parts of the apparatus.

40 The box or receptacle A is adapted for holding the fire-escape B, which may consist of a ladder or an endless rope, as shown, provided with body-bands *b*, and working around a reel, C, while a glass or other receiver, *a*, containing a liquid fireproofing solution, may, if deemed necessary, be placed in receptacle A, so that when opened or broken the fireproofing solution will saturate the rope as it travels around the reel.

The back of the chair or the lid of the table,

as the case may be, is jointed or hinged so as to form folds *d e*, adapted to the height of the window-ledge from the floor, as the bend over which the rope is to travel should not be above this level to any extent, or the leverage will lift the chair or table from the floor.

55 The seat of the chair or supplementary bottom piece of the table *f* is hinged, so that it may be used as a brake upon the rope, as clearly indicated in Figs. 4, 5, and 6.

Where the chairs or tables are not in the first instance specially adapted for the particular height of any given window-ledge they should be made adjustable, and this I accomplish, in the case of the table, by mounting it on an ordinary central screw, *g*, such as frequently employed for piano-stools, and in the case of the chair by making the back legs hollow and placing therein rods *h*, which are attached to and carry the top rail and folds of the chair. Said rods may be raised by hand, or springs *i* may be employed, the rods being held in position by set-screw *j*. When not in ordinary use, and when the fire-escape is packed in receptacle A, the hinged chair-back or table-top *d e* may be opened out as a reading or music stand, as indicated in Fig. 1, where a supplementary supporting-piece, *k*, is shown for holding it in the desired position; but this is not essential, as the partial opening of fold *e* will answer the same purpose.

80 Having thus described the nature of my invention, what I claim, and desire to secure by Letters Patent, is—

1. In combined articles of household furniture and fire-escapes, the combination, with the receptacle A, having a rigid back portion and escape, B, of the supplemental hinged back or lid, constructed substantially in the manner and for the purposes set forth.

2. In combined articles of household furniture and fire-escapes, the combination, with the receptacle A and endless escape B, of the roller C and hinged brake *f*, arranged substantially in the manner and for the purposes set forth.

3. In combined articles of household furniture and fire-escapes, the combination, with the receptacle A and escape B, of the receptacle

a for fireproofing solution, substantially as and for the purposes described.

4. In combined articles of household furniture and fire escapes, the combination, with
5 the receptacle A, of a hinged back or lid with means for adjusting the height thereof, substantially as and for the purposes set forth.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

H. G. POWELL.

Witnesses:

PHILIP M. JUSTICE,

ALLEN P. JONES,