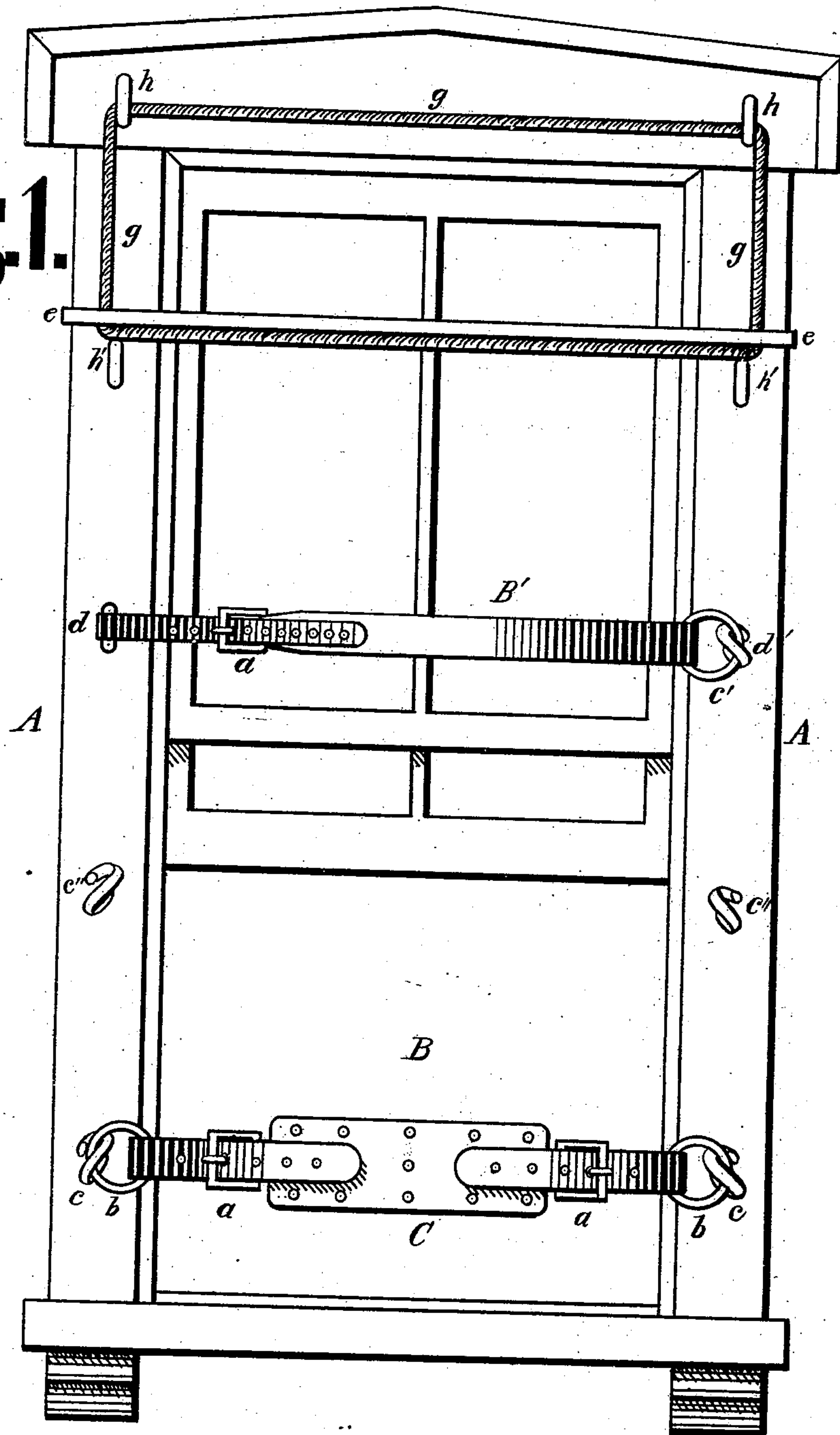


R. d'HEUREUSE.  
Safety Device for Windows.

No. 225,704.

Patented Mar. 23, 1880.

Fig. 1.



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Fig. 2.

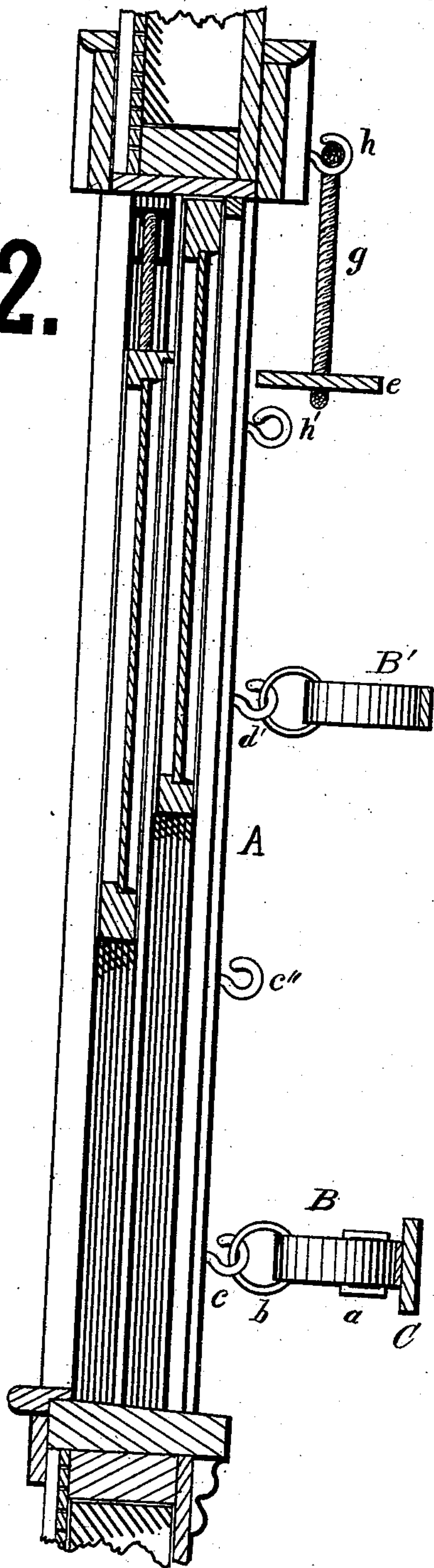
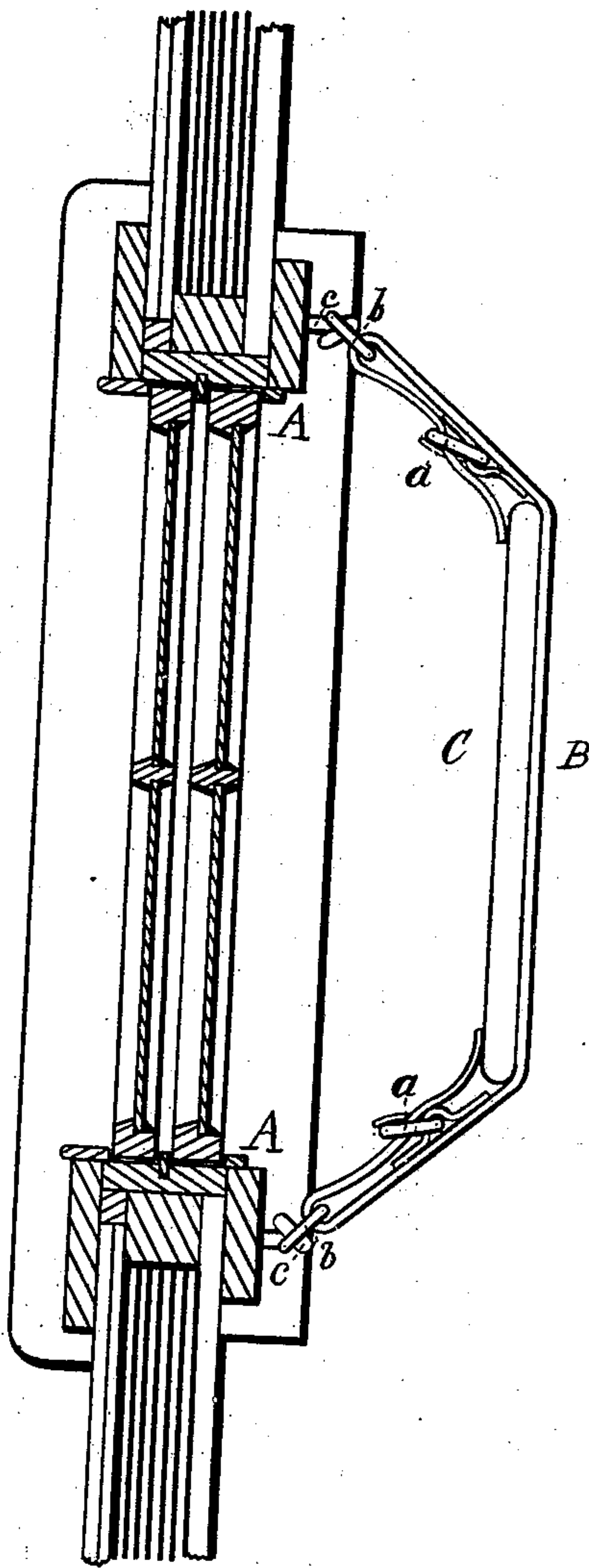


Fig. 3.



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Fig. 5.

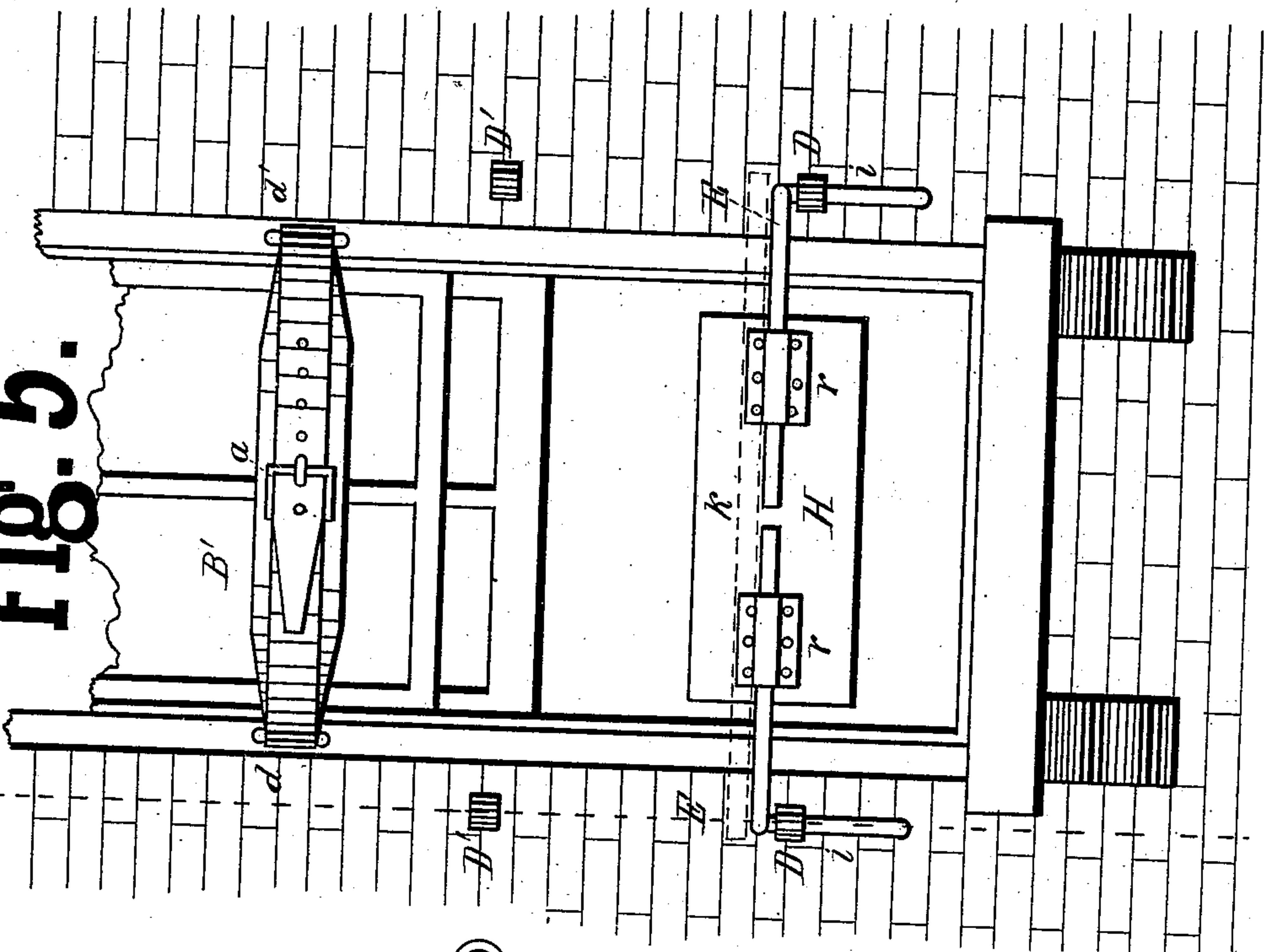
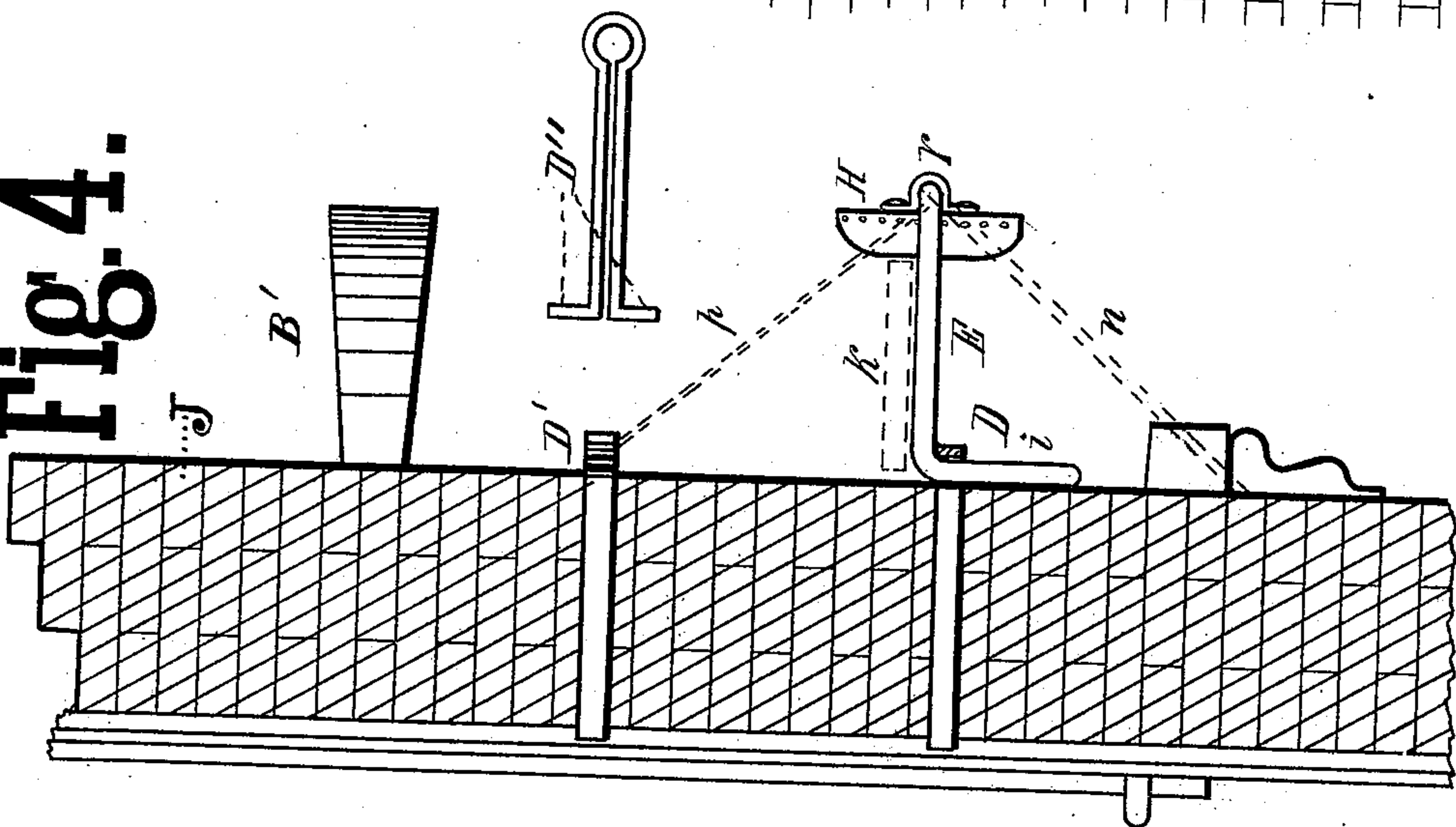


Fig. 4.



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# UNITED STATES PATENT OFFICE.

RUDOLPH D'HEUREUSE, OF NEW YORK, N. Y.

## SAFETY DEVICE FOR WINDOWS.

SPECIFICATION forming part of Letters Patent No. 225,704, dated March 23, 1880.

Application filed October 14, 1879.

*To all whom it may concern:*

Be it known that I, RUDOLPH D'HEUREUSE, of the city, county, and State of New York, have invented a new and useful Improvement in Safety Devices for Attachment to Windows; and I do declare the following to be a clear, full, and exact description thereof, reference being had to the accompanying drawings, which make a part of this specification.

10 This invention relates to an improved device for attachment to the frames or casings of windows, the object of which is to guard against the frequent accidents occurring to persons while washing, polishing, or glazing windows.

15 The invention consists in attaching hooks or eyes to the frames or outer casings of windows or to the walls adjacent to said casings, and attaching thereto a transferable and adjustable strap, which is constructed of suitable material and provided with suitable attaching and adjusting mechanism to suit the varying width of windows.

25 Figure 1 represents a front elevation of a window-frame and window therein, with the safety device attached thereto ready for use. Fig. 2 is a side elevation of the window-frame and safety device. Fig. 3 represents a cross-section of the window-frame and safety device therewith. Fig. 4 represents a section of the wall 30 of a building. This section is cut in a plane near to a window-frame, for the purpose of showing eyes or staples built into the wall. Fig. 5 represents a broken front elevation of a building with a window therein and the safety 35 device attached.

Like letters designate corresponding parts in the several figures.

40 A represents the outer casing of a window, and B a safety device attached thereto, which is preferably made of leather.

45 C represents a back board, secured to the strap for the purpose of forming an unyielding support for the operator's back. *a* are buckles employed to adjust the strap to the varying width of windows. *b* are hooks or rings, firmly-secured to the ends of the straps, for the purpose of attachment to hooks or staples in the window-frame.

50 B' is a strap, one end of which is provided with a ring, *c'*, connected to a hook, *d'*, while its other end is passed through a screw-eye, *d*,

and thence through the adjusting-buckle *a*. Said device is to form a support to a person while in a standing position.

J represents the wall of a building, with 55 eyes or staples D D' projecting through said wall, and held in place by flanges D''. These eyes or staples are for the purpose of receiving the ends of a supporting-frame, E, which is made of one, two, or more pieces, the ends of 60 which are bent at a right angle and about eight inches from the end. These short ends *i* are inserted into the eye of the staple, and serve to keep the frame in a horizontal position. This frame is provided with a padded 65 back, H, against which the operator leans while in a sitting position, and, for the purpose of adjusting the device to windows of different widths, I construct the horizontally-bent ends of the supporting-bars to enter and admit of 70 adjustment in the loops *r* upon the rigid back H. It is evident that the platform may be transferred from one set of eyebolts to another, to be adjusted to the proper altitude; but whenever the upper lights are beyond his 75 reach a platform, *k*, which is shown in dotted lines, can be laid across the two sides of frame E, and the operator stand thereon, and at the same time with his back against the upper strap. This frame can be supported by braces 80 *n* or by cord *p*. (Shown by dotted lines.)

Some convenient device can be arranged to the person of the operator to prevent the slack or suspender from dropping below the part of the back where it gives the required security, 85 and also where the back of said safety device is made or re-enforced of a stiff material, like wood or metal, and of sufficient length to extend across the width of the window, or nearly so. A cord or its equivalent can extend or 90 project from each end thereof to the hooks or eyes, at or above the center of the window-casing, thus forming a support for said safety device. Said cord or strap can be made adjustable and provided with spring clasp-hooks as a 95 convenient means for attachment.

The studs or hooks which are secured to the outer casing or frame should be arranged at equal heights from the window-sill, and about twelve inches therefrom when employed for a 100 person while sitting, and at any required distance when used while in a standing position.

What I claim, and desire to secure by Letters Patent, is—

1. For the support of a person while cleaning or repairing a window, the adjustable, 5 rigid, or flexible strap, suspended to eyes, hooks, or staples, on or near the frame or casing of windows, substantially as described and set forth.

2. In combination with eyes or staples D, 10 or the equivalents thereof, and the walls of the building, to which they are secured or attached, the adjustable supporting-frame E, with projecting ends *i*, which project through eyes D and rest against the wall of said build-

ing, whereby said supporting-frame is kept in 15 a horizontal position.

3. An adjustable transferable platform, to be suspended from eyes or their equivalents, substantially as herein set forth, secured to the walls of buildings or casings of windows, 20 in combination with a transferable safety device, against which the operator leans while standing on said platform, substantially as and for the purpose specified.

R. D'HEUREUSE.

Witnesses:

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EDWD. DENLY.