

No. 695,432.

Patented Mar. 18, 1902.

C. H. BAKEMAN.
DRAWER OPENING DEVICE.

(Application filed Apr. 13, 1901.)

(No Model.)

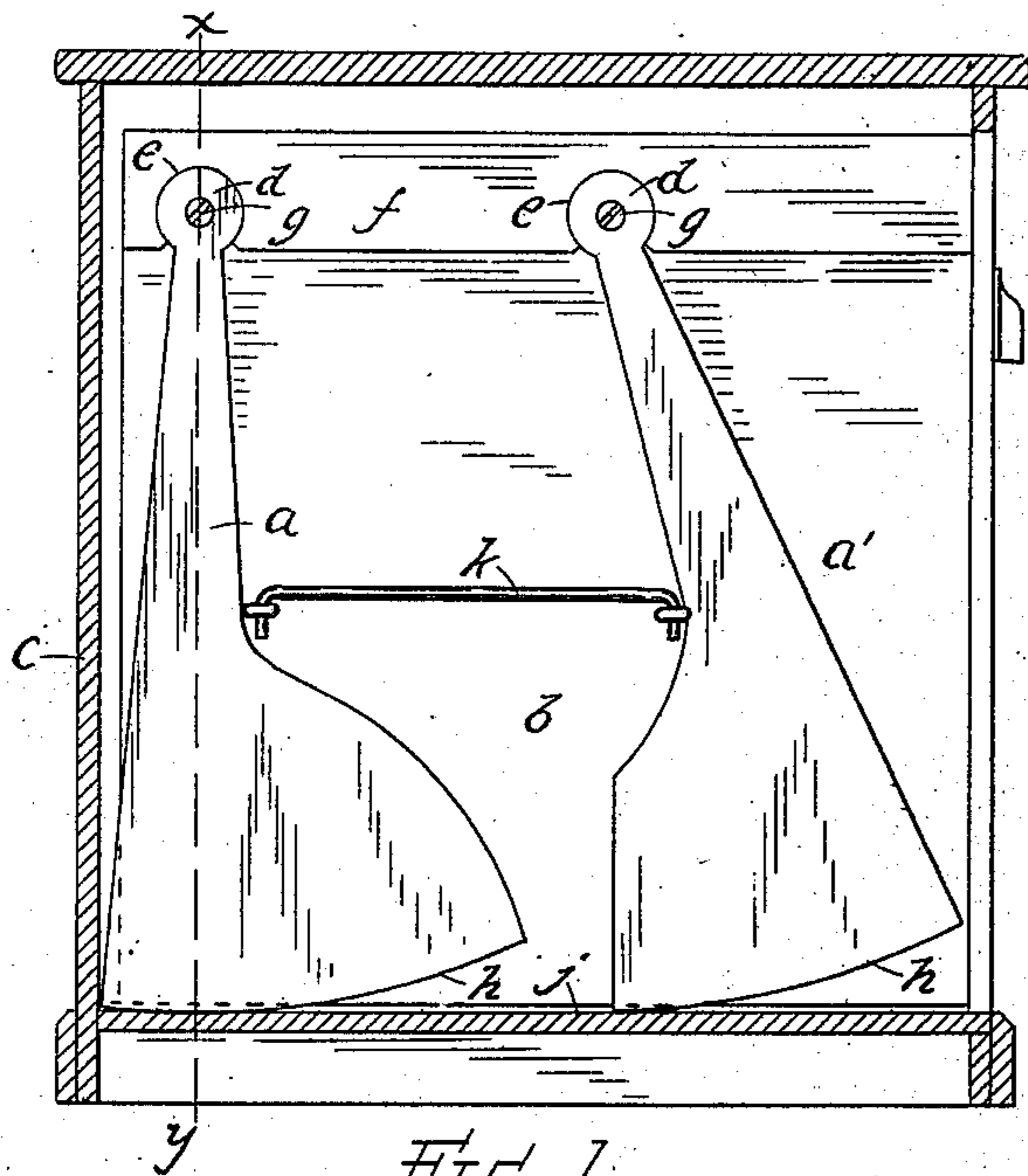


FIG 1

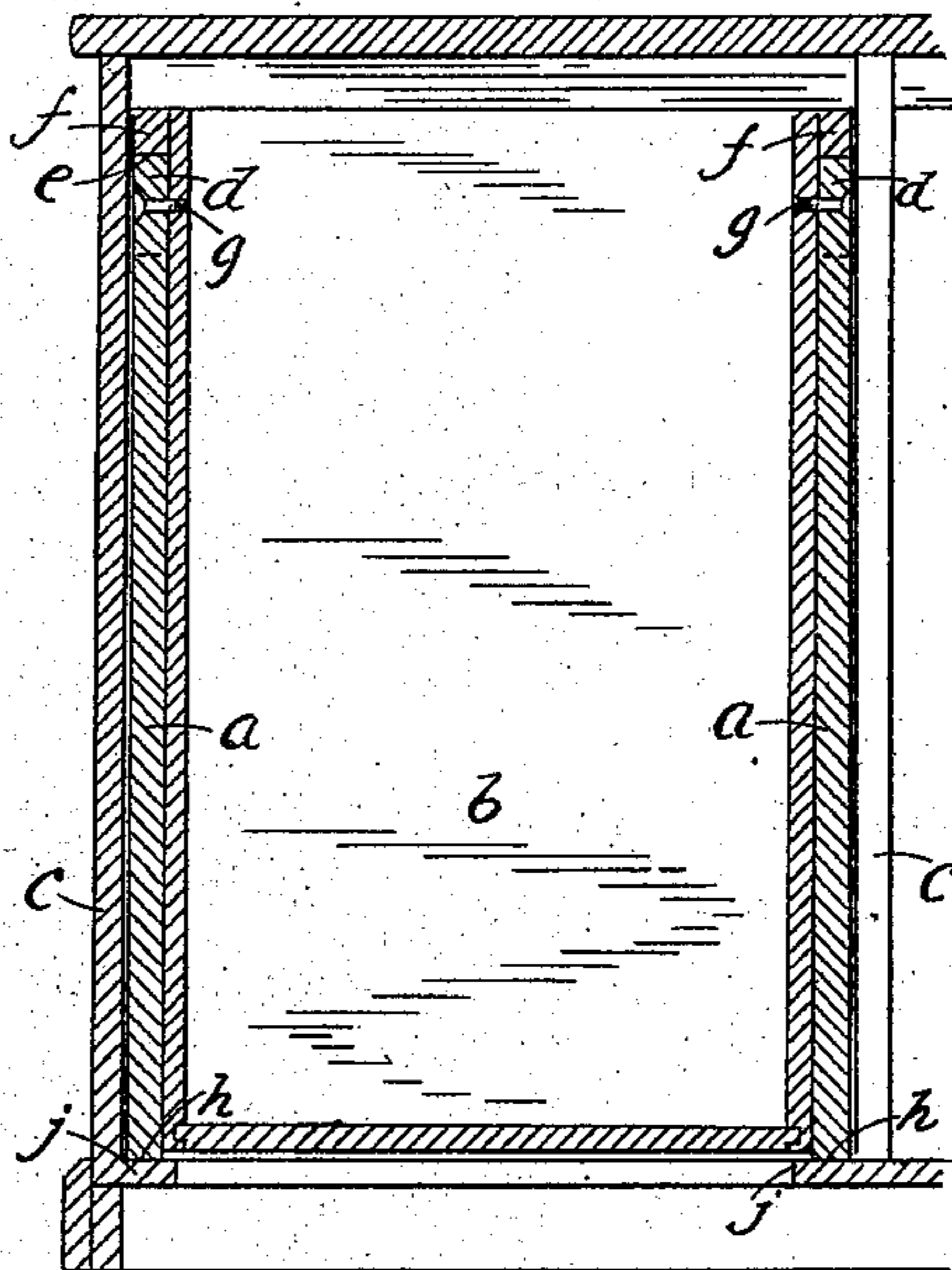


FIG 3

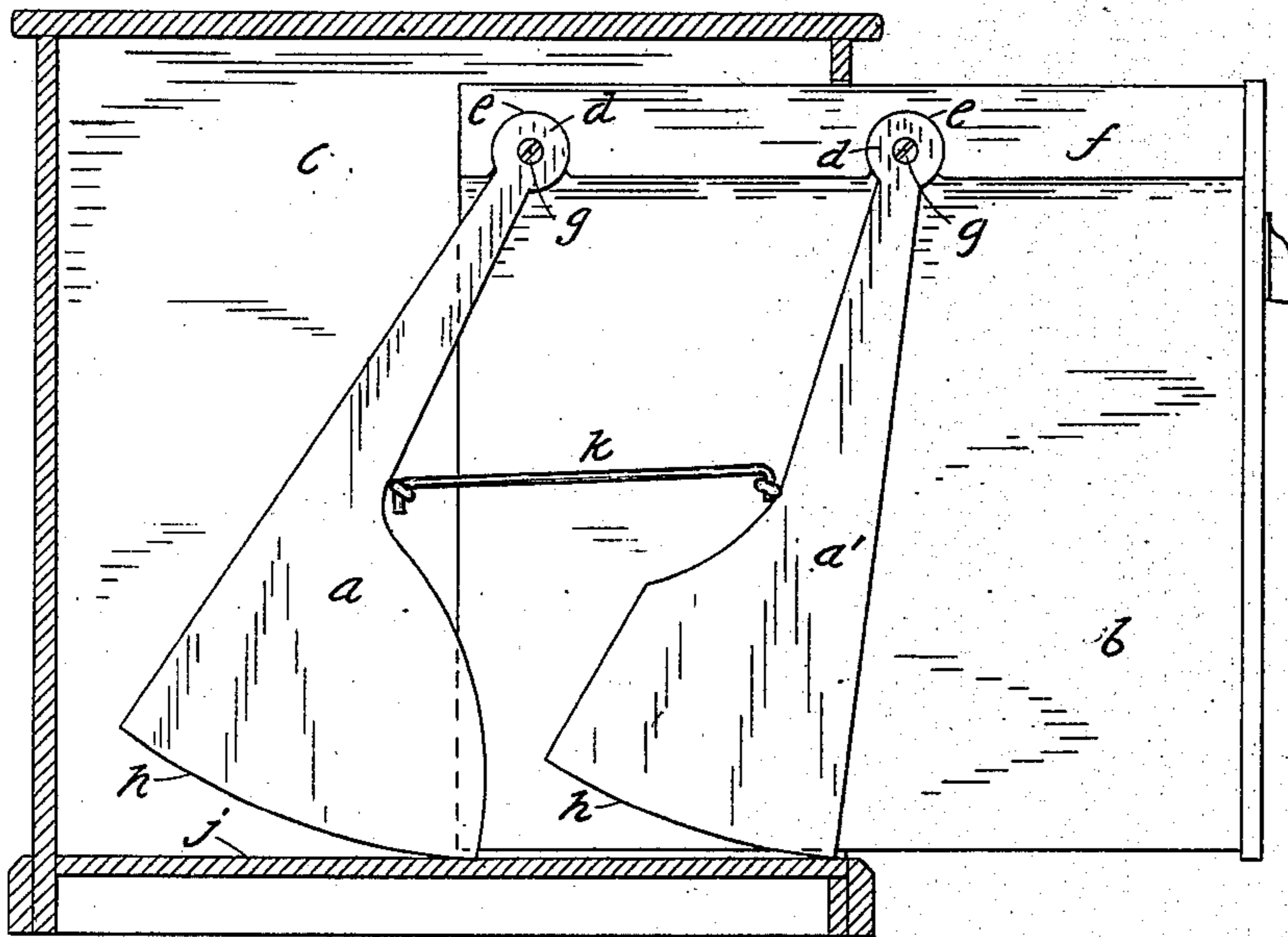


FIG 2

WITNESSES:

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DRAWER-OPENING DEVICE.

SPECIFICATION forming part of Letters Patent No. 695,432, dated March 18, 1902.

Application filed April 13, 1901. Serial No. 55,608. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. BAKEMAN, a citizen of the United States, residing at Snohomish, in the county of Snohomish and State of Washington, have invented certain new and useful Improvements in Drawer-Opening Devices, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to furniture-drawers, and while adapted for use with all large or heavy drawers is particularly designed for use with flour-bins in kitchen-cabinets.

15 The prime object of the invention is to provide drawer-supports so constructed and arranged that the drawer may be readily opened or shut by a slight pull or push thereon.

20 A further object of the invention is to provide means to guide the drawer that the same may be opened or shut without being jammed or wedged in the case.

A still further object of the invention is to provide positive means for retaining the drawer either in its opened or shut position.

25 Advantages accruing from the invention and from the special arrangement of the several parts constituting the same will be disclosed in the specification and following claims.

30 In the drawings, where similar letters designate corresponding parts in the several views, Figure 1 is a side elevation of a drawer with my device attached thereto, the drawer being closed within the case or frame, which is shown in section. Fig. 2 is a like view with the drawer shown pulled out or open. Fig. 3 is a transverse vertical section on line *xy* of Fig. 1.

40 The improved drawer-opening device comprises the sector-shaped supporting and carrying members *a a'*, interposed between the opposite sides of the drawer *b* and the walls of the case *c* and arranged, preferably, in pairs, as shown. The members *a a'* terminate at their upper ends in disks *d*, which form trunnions for pivotally mounting the said pieces to the drawer by forming recesses or sockets *e* in cleats or strips *f*, which are rigidly secured to the drawer. Screws or pins *g*, in-

serted in the disks *d* so as to be concentric 50 thereof and likewise of the arcs *h*, are provided solely for retaining the pieces *a a'* in place when the drawer at any time is entirely removed from the case, the bearings being formed between the circular surfaces of the 55 disks and their sockets aforesaid. The lower or arc edge of the pieces *a a'* are supported by and rock upon shelf-strips *j* of the case, and to retain them at proper distance apart—that is, to prevent the one “creeping” upon 60 the other—I insert a tie-link *k*, connected to the pieces *a a'* by staples, preferably, so that the length between their pivotal connection is the same as that between the pivotal centers of the said pieces *a a'*. When the drawer 65 is pulled out or shoved in, the lengths of the arcs, or at least one of each pair, are such that their centers will overhang the same in order to hold the drawer in its wide-open position, yet at the same time the drawer may 70 be stopped at any intermediate point.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a drawer-opening device, in combination 75 with the drawer *b* and the case *c* provided with bearing-strips *j*; of sector-shaped members *a a'* pivotally connected to the drawer in proximity to the upper edges thereof so that their arcs *h* will bear upon the strips *j*, 80 and the pivots *g* positioned so as to be central of their respective arcs, substantially as and for the purposes described.

2. In a drawer-opening device, in combination 85 with the case *c* and a drawer *b* provided near its upper edges with cleats *f* having sockets *e* formed therein; of sector-shaped members *a a'* terminating in disks *d* registering with the said sockets and the sector-arcs *h* bearing upon the bottom of the case, sub- 90 stantially as and for the purpose described.

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

CHARLES H. BAKEMAN.

Witnesses:

M. J. MCGUINNESS,
E. G. KRUEGOL.