

No. 819,686.

PATENTED MAY 1, 1906.

S. B. BANKSON.
SAFETY DEVICE FOR FOLDING BEDS.

APPLICATION FILED OCT. 23, 1905.

FIG. 1

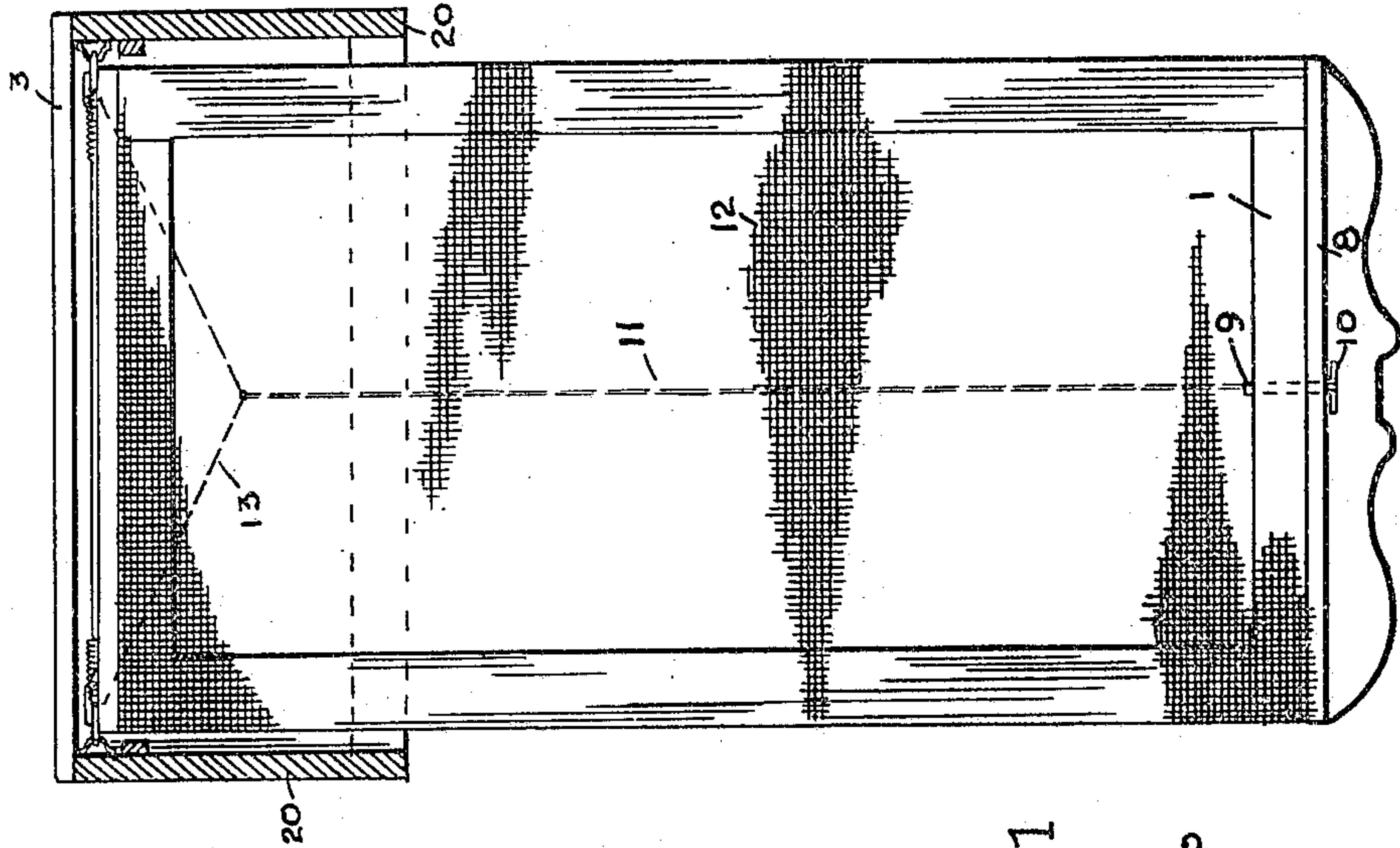


FIG. 2

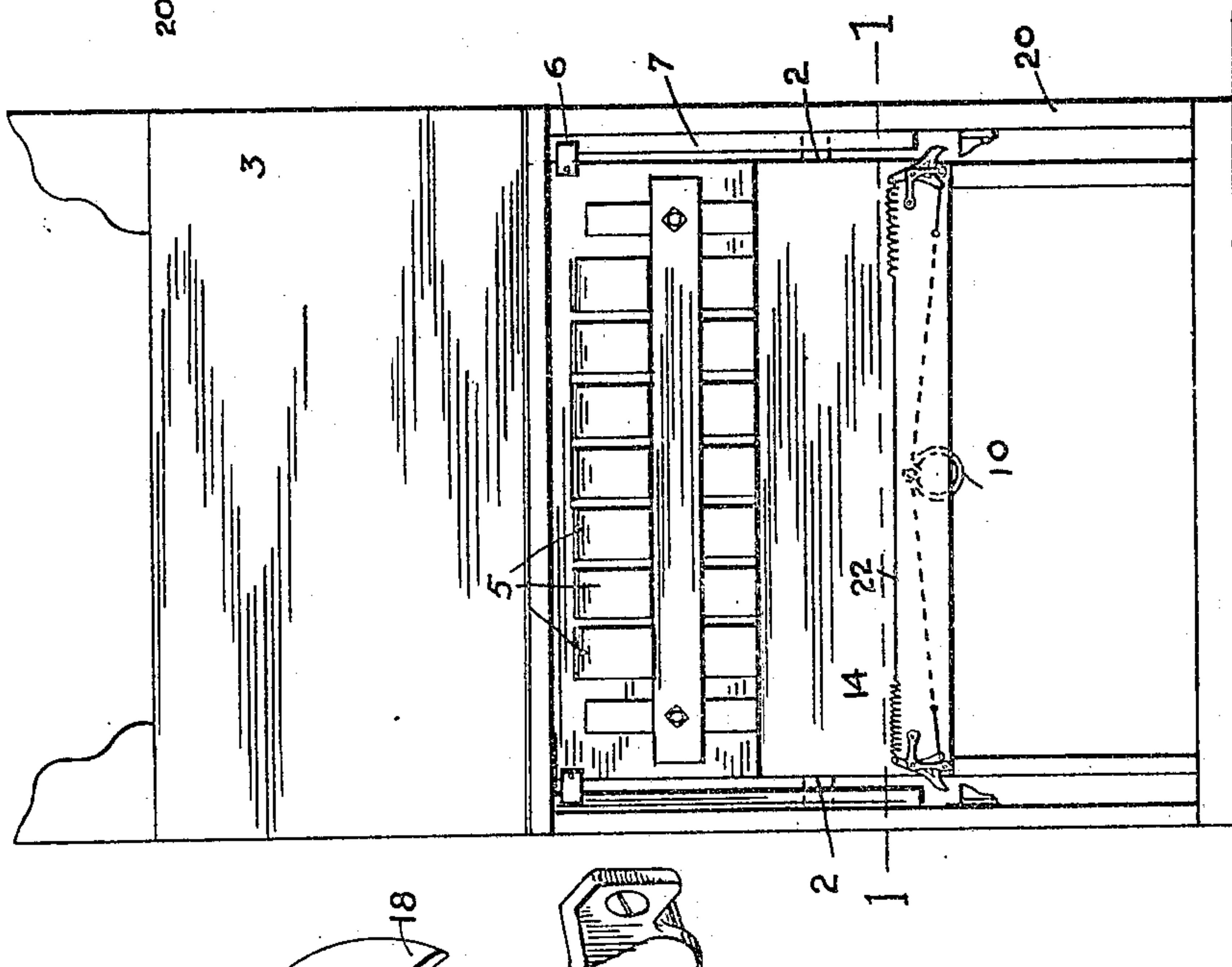


FIG. 3

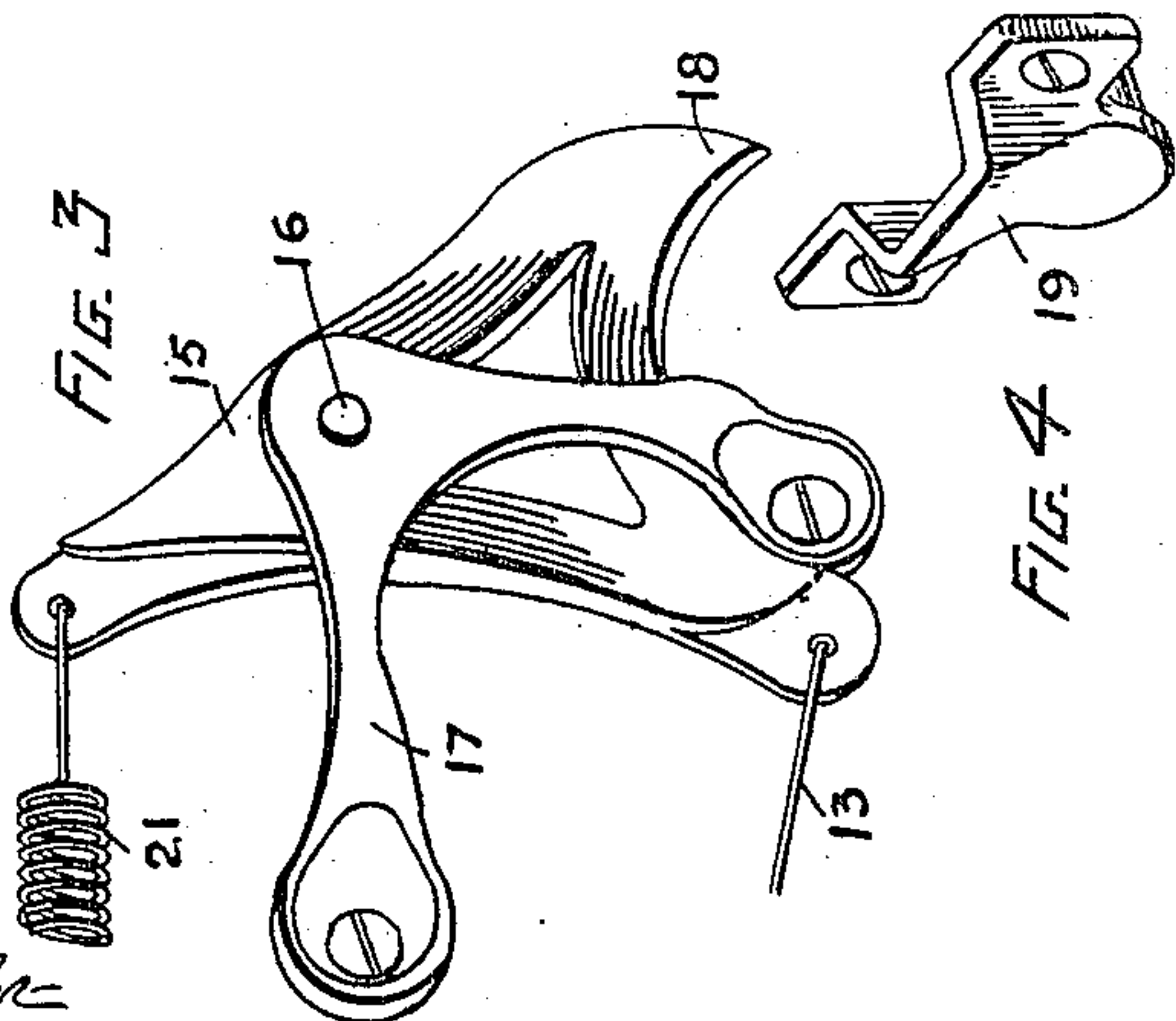
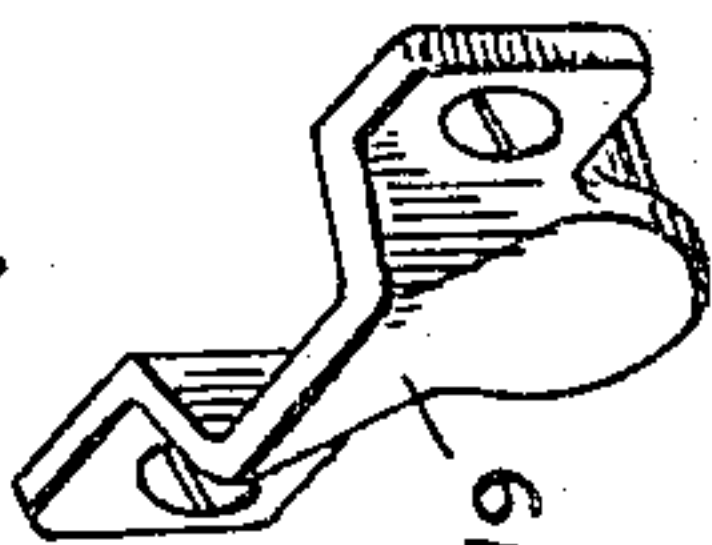


FIG. 4



WITNESSES:

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UNITED STATES PATENT OFFICE.

SEVERIN B. BANKSON, OF SAN FRANCISCO, CALIFORNIA, ASSIGNOR OF
ONE-HALF TO EDWARD ROLKIN, OF SAN FRANCISCO, CALIFORNIA.

SAFETY DEVICE FOR FOLDING BEDS.

No. 819,686.

Specification of Letters Patent.

Patented May 1, 1906.

Application filed October 23, 1905. Serial No. 283,943.

To all whom it may concern:

Be it known that I, SEVERIN B. BANKSON, a subject of the King of Sweden, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Safety Devices for Folding Beds, of which the following is a specification.

This invention relates to an improved safety device for folding beds, the object of the invention being to provide simple and convenient means for preventing the accidental collapse of the bed when extended, while at the same time permitting the bed to be easily folded when necessary.

In the accompanying drawings, Figure 1 is a horizontal section of a bed equipped with my improvements. Fig. 2 is a view of the rear of the headboard thereof. Fig. 3 is an enlarged perspective view of the hook and its support. Fig. 4 is a perspective view of one of the stops.

Referring to the drawings, 1 represents the mattress-frame, which is pivoted, as shown at 2, to the head-frame 3 in the usual manner. The head 4 of the mattress-frame carries the usual weights 5 to balance the lower portion of the mattress. 6 represents stops secured upon the mattress-frame head and adapted to engage cleats 7 upon the head 3 to limit the forward movement of the mattress-frame head. All of the above forms no part of my present invention.

Through the footboard 8 of the mattress-frame extends a stout bar 9, carrying at the outer end a ring 10, by which said bar can be drawn through said footboard. The other end of the bar 9 is attached to a wire 11, which extends underneath the mattress 12, and its other end is connected to two wires 13. These wires pass through the lower portion of the mattress-frame headboard 14 and are connected at their ends to bell-crank levers 15, which are pivoted, as shown at 16, upon angle-brackets 17, secured upon the board 14. These bell-crank levers have hooks 18, which before the bolt 9 is drawn outward in the manner related extend immediately over stops 19, secured upon the side members 20 of the head-frame, and springs 21, connected to said bell-crank levers and to each other by a wire 22, normally maintain said hooks 18 in such position over the stops, the vertical arms of the brackets serving as

stops for the bell-crank levers against the action of the springs 21. This contrivance prevents the bed being closed accidentally, for should the lower portion of the mattress tilt upward for any reason the hooks 18 would be arrested by the stops 19. This construction does not, however, render it less easy to close the bed when necessary, for all that is required is to pull upon the ring 10, which transmits a pull to the wires 13 and bell-crank levers 15, causing the hooks 18 to be moved inward, so that they are no longer over the stops 19, but escape the same when the lower portion of the mattress is elevated and the head of the mattress is therefore depressed, said lower end of the mattress being lifted by means of the ring 10 while in its extended position almost in one motion with its withdrawal.

It will be observed that the stops 19 are arranged on the side posts 20 at a slight distance below the hooks 18. The object of this is to allow for variation in the thickness of the carpet or other support for the head of the bed, for if this were not provided it might possibly be the case that owing to the inequality of the floor or the covering thereof said stops would be at a higher level than the hooks 18, so that the hooks would at no time be arrested by said pockets.

I claim—

1. In a device of the character described, the combination of a head-frame, a mattress-frame pivoted thereto, stops secured upon the sides of the head-frame, bell-crank levers pivoted to swing vertically and transversely to the bed upon the headboard of the mattress-frame and having outwardly-extending hooks adapted in their normal position to engage said stops in the descent of the headboard, resilient means for holding said hooks in said operative position, and means for withdrawing said hooks from their operative position, comprising wires connected to said levers and a wire extending therefrom to the foot of the mattress-frame, and provided at its end with means for drawing it from the head of the bed, substantially as described.

2. In a device of the character described, the combination of a head-frame, a mattress-frame pivoted thereto, stops secured upon the sides of the head-frame, bell-crank levers pivoted to swing vertically and transversely to the bed upon the headboard of the mat-

tress-frame and having outwardly-extending
hooks adapted in their normal position to en-
gage said stops in the descent of the head-
board, resilient means for holding said hooks
5 in said operative position, brackets for sup-
porting said levers, one member of each
bracket serving for a stop for the lever
against said resilient means, and means for
withdrawing said hooks from their operative
10 position, comprising wires connected to said
levers, a wire extending therefrom to the foot

of the mattress-frame, and a stout bar con-
nected to its end, and extending through the
footboard, substantially as described.

In witness whereof I have hereunto set my 15
hand in the presence of two subscribing wit-
nesses.

SEVERIN B. BANKSON.

Witnesses:

FRANCIS M. WRIGHT,
BESSIE GORFINKEL.