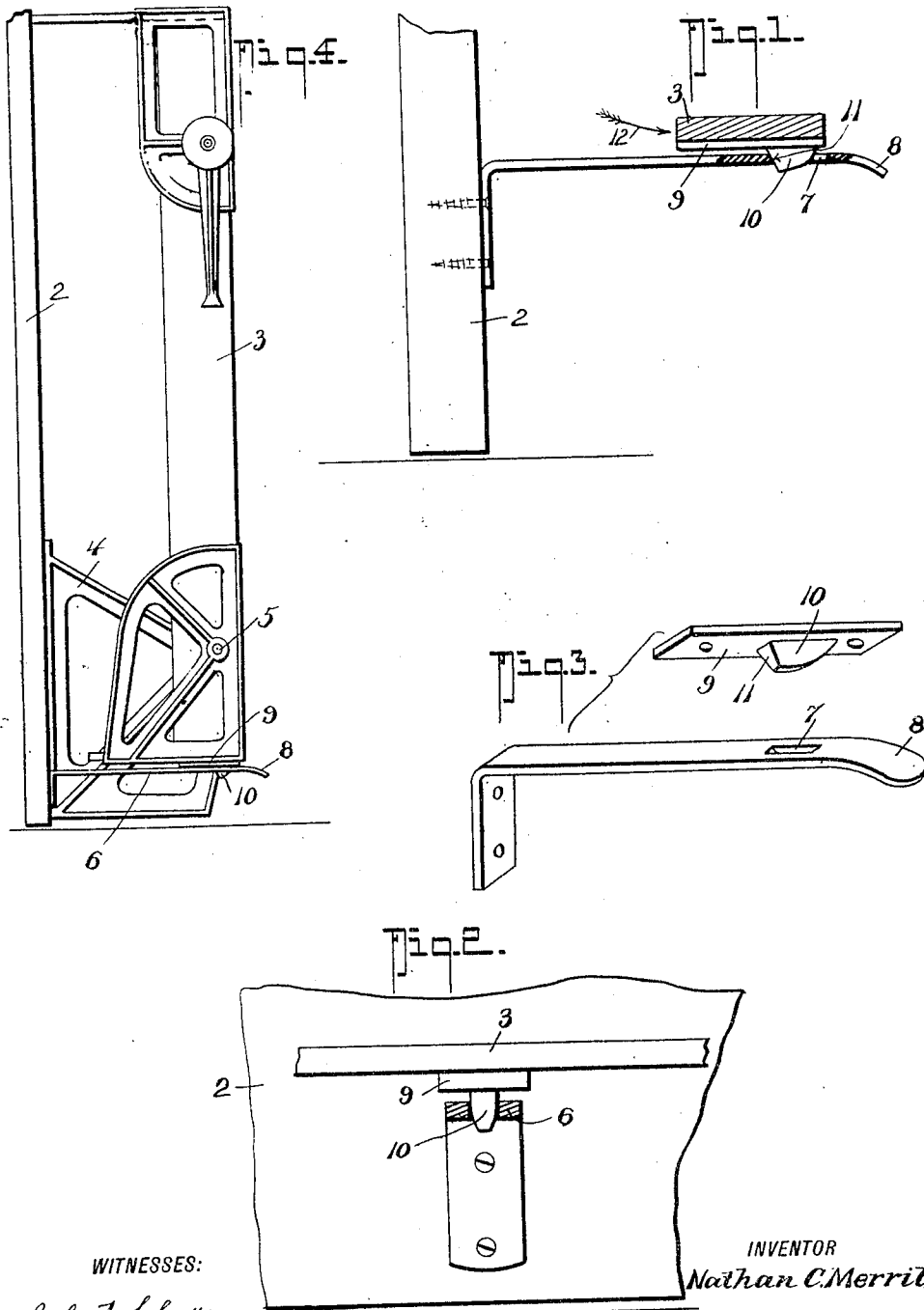


No. 895,571.

PATENTED AUG. 11, 1908.

N. C. MERRILL.
TILTABLE BED LATCH.
APPLICATION FILED SEPT. 18, 1907.



WITNESSES:

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NATHAN C. MERRILL, OF VANCOUVER, BRITISH COLUMBIA, CANADA.

TILTABLE-BED LATCH.

No. 895,571.

Specification of Letters Patent.

Patented Aug. 11, 1908.

Application filed September 18, 1907. Serial No. 393,516.

To all whom it may concern:

Be it known that I, NATHAN C. MERRILL, citizen of the United States of America, residing at Vancouver, in the Province of British Columbia, Canada, have invented a new and useful Improvement in Tiltable - Bed Latches, of which the following is a specification.

This invention relates to an improved latch for securing in the upright position a tiltable or upwardly folding bed. In the use of beds of this class, although every effort may be made to counterbalance the downward tendency of the weight so as to avoid shock when the foot of the bed reaches the floor, the variable weight of the bedding or a variation in the position of it renders it difficult of correct adjustment, and a general preference is experienced on the part of the operator to steady the downward movement of the bed by the hand, even although it be correctly balanced. It is to meet this preference that the latch which is the subject of this application has been devised.

Where the latch operates on the foot of the bed when in the upright position the person lowering it must stand to one side near the head to release it, and the foot of the bed can then only be steadied by the side application of one hand which necessitates an awkward position on the part of the operator. I purpose therefore to apply the latch to the head of the bed, which is the end adjacent to the floor when the bed is uptilted, and to operate such latch by the foot, whereby both hands are left free to steady the bed downward.

The invention is fully described in the following specification reference being made to the drawings by which it is accompanied, in which:

Figure 1 is a side elevation and part section of the latch, Fig. 2, a front elevation and part section of the same, Fig. 3, a perspective view of the two latch members detached, and Fig. 4, a side elevation showing the application of the latch to an uptilted bed mounted on a rotatable panel, the adjacent supporting bracket being removed.

In these drawings 2 represents the wall or rotatable panel to which the bed is attached, 3 being the frame of the bed and 4 the supporting brackets in which the bed is pivotally mounted at 5. To the lower part of the wall or panel 2, below the position occupied by the head of the bed when uptilted, is secured

a resilient member 6, having toward its outer end an elongated aperture 7, and projecting beyond this slot 7 is an extension 8 downwardly curved slightly so that it may be conveniently operated by the toe of the person lowering the bed while standing in a position in front of it to steady its downward movement when released.

Secured to the head of the bed frame 3 is a latch plate 9 having, toward the outer side when the bed is uptilted, a downwardly projecting latch member 10 designed to enter the slot 7 of the resilient member 6.

The retaining face 11 of the latch is angled as shown in Fig. 1 so that the resiliency of the member 6 acting against the slope of the retaining face of the latch member will exert an effort tending to close the foot or upper end of the bed tightly against the wall or panel and avoid play when in the uptilted position.

The sides of the projecting latch member 10 are sloped toward the point so that they will readily enter the latch aperture 7 in a possible variation in the alignment of the two members.

To release the bed the operator stands immediately in front and places the toe of the foot upon the pedal extension 8 pressing it down until the member 6 is free from engagement with the latch member 10 when the bed is free to turn on its pivots and the foot of it may be lowered gently to the floor. In upwardly raising it again as the latch member 10 approaches in the direction of the arrow 12 it will depress the resilient member 6 and when the latch member comes opposite to the slotted aperture 7 the member 6 will spring upward and secure the bed in the upright position, indicating by the snap that the bed is secured; the slope of the engaging face 11 tending to hold the upper end or foot of the bed tightly against the panel as before explained.

Having now particularly described my invention and the manner of its use, I hereby declare that what I claim as new and desire to be protected in by Letters Patent, is:

In a tiltable bed, a downwardly projecting latch member secured to the head or lower end of the bed when uptilted, and a resilient latch member secured to the wall or panel on which the bed is pivotally mounted and projecting outwardly adjacent to the downwardly projecting latch member, and having

its end projected beyond the plane of the
bottom of the bed when up-tilted to form a
foot engaging member, said resilient member
having an elongated aperture to receive the
5 downwardly projecting latch member, said
downwardly projecting latch member formed
on a latch base securable to the bed and pro-
vided with a slanting surface and ancurved
surface to cooperate with the resilient latch
10 member, and said resilient latch member

having a right angled portion by means of
which it is secured to the wall or panel.

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

NATHAN C. MERRILL.

Witnesses:

ROWLAND BRITAIN,
CLIVE S. CARMAN.