

A. A. ADLER.
BED REST.
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989,888.

Patented Apr. 18, 1911.

Fig. 1.

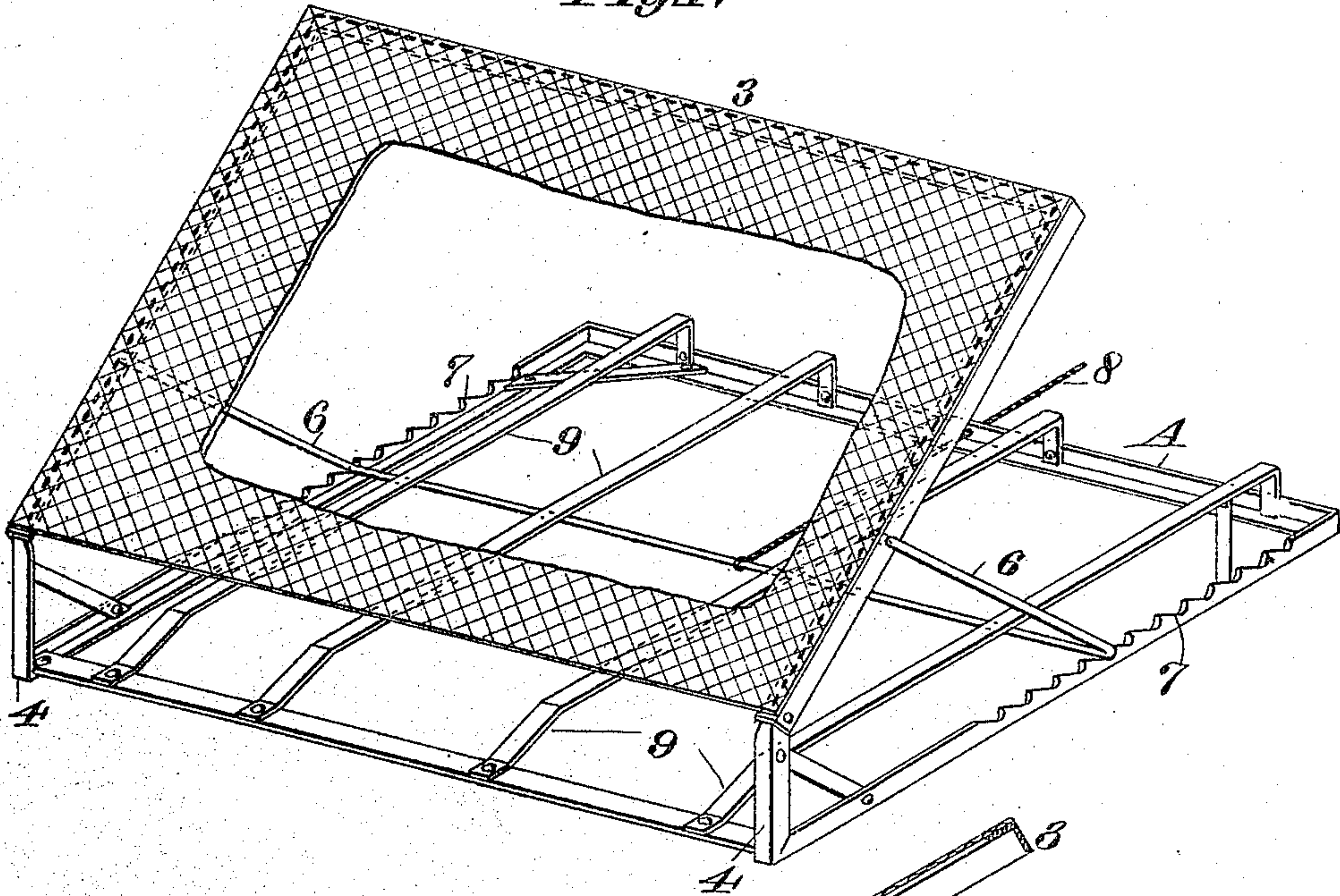
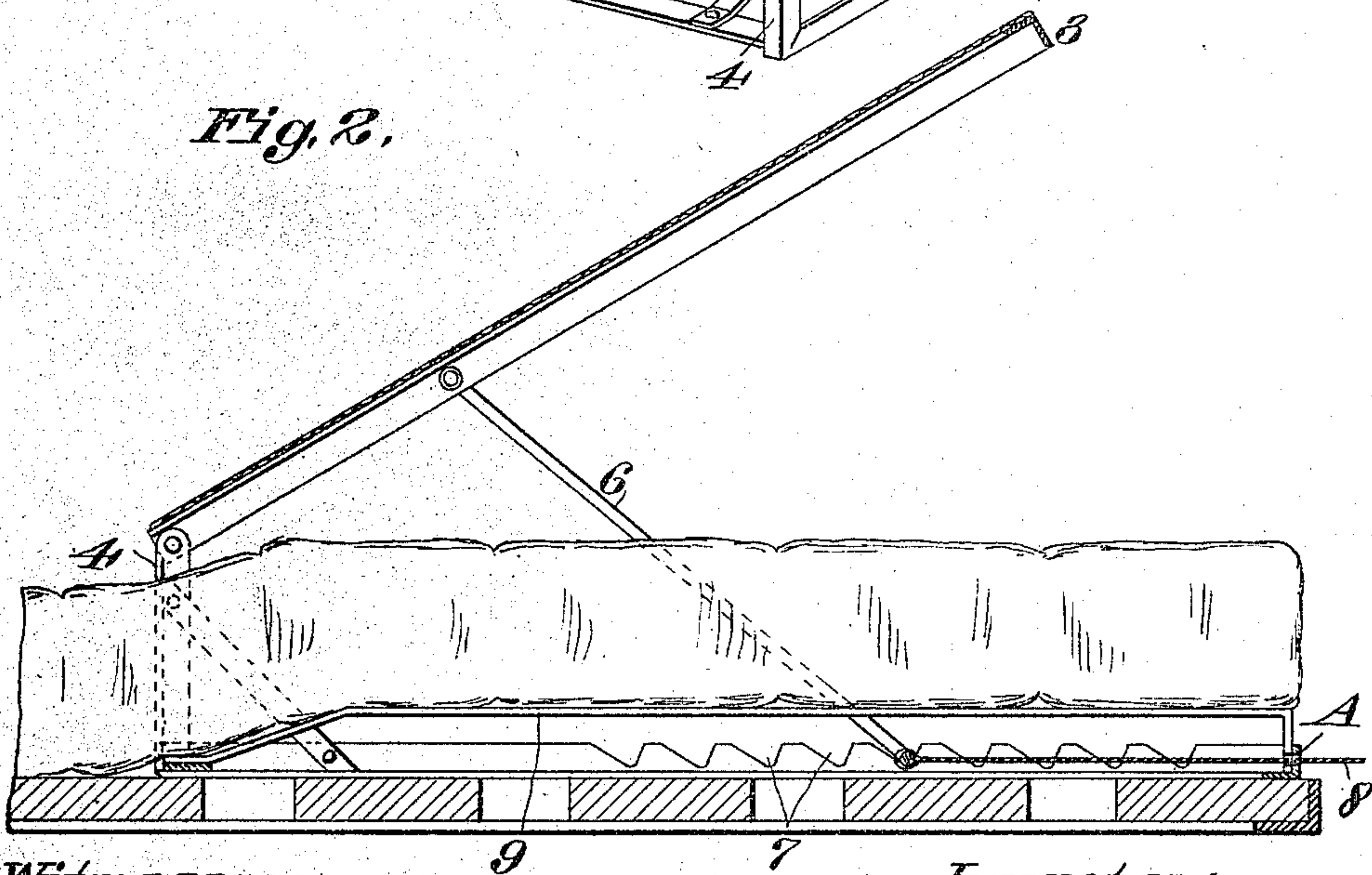


Fig. 2.



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UNITED STATES PATENT OFFICE.

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BED-REST.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, AARON A. ADLER, a citizen of the United States, residing in the city and county of San Francisco and State of California, have invented new and useful Improvements in Bed-Rests, of which the following is a specification.

My invention relates to what is termed a "bed rest", for the support of invalids or others, when lying in bed.

It consists of a removable frame having standards and a hinged supplemental frame pivoted thereto, so as to allow the hair mattress to extend directly through beneath the hinged frame, whereby the latter may be tilted upwardly or dropped upon the mattress.

It also comprises details of construction which will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 is a perspective view of the bed rest with canvas cover partly broken away. Fig. 2 is a vertical longitudinal section of same shown in position on bed frame.

Many forms of tiltable head rests have been employed in connection with beds or couches, either directly connected and forming a part of the bed frame or so constructed that it is necessary to remove them when not in use.

It is the object of my invention to provide a device of this character which may remain permanently upon the bed or couch and when not in use to present no undesirable feature while the person is lying in a normal position, but which may be readily raised into an inclined position whenever desired.

As herein shown, A is a main frame made substantially rectangular in shape, and of such width as to fit the bed or couch, and of a length sufficient to carry the head and shoulder rest, 3. This rest is also rectangular having three sides, as shown, and the ends of the two side pieces are hinged to vertical standards 4, which may be rigidly and permanently fixed to the ends of the frame A, which are most distant from the head of the couch, and which occupy a position within the length of said couch. These standards elevate the hinged ends of the frame 3 to such a height that the mattress of the bed or couch may extend between these standards and may be of a thickness which will be approximately equal

to the height of the standards. It will be seen that with this construction the hinged frame 3 may be depressed when not in use and lie perfectly flat and level with the top of the mattress, and its flexible covering will also lie upon the mattress and need not be removed. Such covering may be made of any suitable or desirable material for the purpose, and forms a sort of bag or case of such size that its open end may be slipped down over the top and sides of the frame 3, thus completing a flexible support upon which pillows or other portions of the bed may be placed. This hinged portion may be raised and depressed as before stated, and may be held at any desired angle by means of a pawl 6, which is here shown as formed of a bar extending across the full width of the apparatus, and having the ends bent at right angles and pivoted to the sides of the frame 3. The side parts of the main frame A are notched and formed into teeth, as shown at 7, and the bar 6 forms a pawl which may drop into any pair of these notches, and thus hold the frame and rest 3 at any desired angle.

If it is desired to disengage the pawl and allow the head rest to drop, it may be readily effected by means of a cord or other connection 8 attached to the pawl bar and extending out through the head end of the frame. By pulling upon this connection the pawl will be lifted free of the notches, and the rest may be then dropped to any desired position.

In order to support a mattress which extends through this frame and entirely to the end of the bed or couch, so that it will not press upon the pawl bar and prevent the latter from being freely moved, I have shown longitudinally placed supporting bars 9 extending from the head of the inner end of the main frame A, and that portion of the mattress which extends through this device will be supported upon these bars and sufficiently above the pawl bar to allow the latter to be readily raised and to move in unison with the desired movements of the head rest. It will be seen that the mattress in this position also serves an important purpose in preventing any side movements of the head rest frame which might be caused by movements of the patient from one side to the other, as the contact of the standards with the mattress sides, and the weight and pressure of the mattress upon the main

frame make it very steady and prevent any tilting of the parts so as to place the patient in an uncomfortable position.

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

1. An appliance for beds, consisting of a frame adapted to fit beneath the head portion of a mattress, and having standards at the ends most distant from the head of the bed extending upwardly upon each side of the mattress, side bars having their ends pivoted to the upper ends of the standards and having an integral cross bar closable upon the head of the mattress, a flexible covering for said hinged frame adapted to overlie the mattress, the height of said standards being such as to admit the mattress so that it lies between the frame and said covering, and a pawl and rack mechanism by which said frame may be held at an angle with the main frame.

2. An appliance for beds consisting of a supplemental frame adapted to lie beneath the head portion of a mattress, standards projecting from the inner end of said frame upon each side of the mattress and substantially equal in height to the thickness of the mattress, a flexible fabric frame hinged to said standards and closable upon the upper surface of the mattress, the height of said standards being such as to admit the mattress so that it lies between the frame and said fabric, rack teeth formed upon the

side bars of the main frame, a pawl bar having its upturned ends pivoted to the hinged bars and the transverse portion adapted to engage the rack teeth, and a flexible connection with said transverse portion extending through the head and serving to disengage the pawl bar to allow the hinged frame to be lowered.

3. An appliance for beds, consisting of a frame adapted to lie beneath the head portion of a mattress, said frame having standards upon each side of the mattress, a frame consisting of side bars having their ends pivoted to the standards and a transverse head bar, a flexible fabric adapted to fit and be supported by said frame, rack teeth formed in the side bars of the main frame, a pawl bar having its ends hinged to the tiltable side frames, and its transverse portion adapted to engage the rack teeth, raised strips extending across the main frame and adapted to support the inclosed mattress portion above the plane of the pawl bar, and means whereby said bar may be lifted to disengage it from the rack teeth and allow it to be moved along the frame.

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

AARON A. ADLER.

Witnesses:

FREDERICK JAMES BRYANT,
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