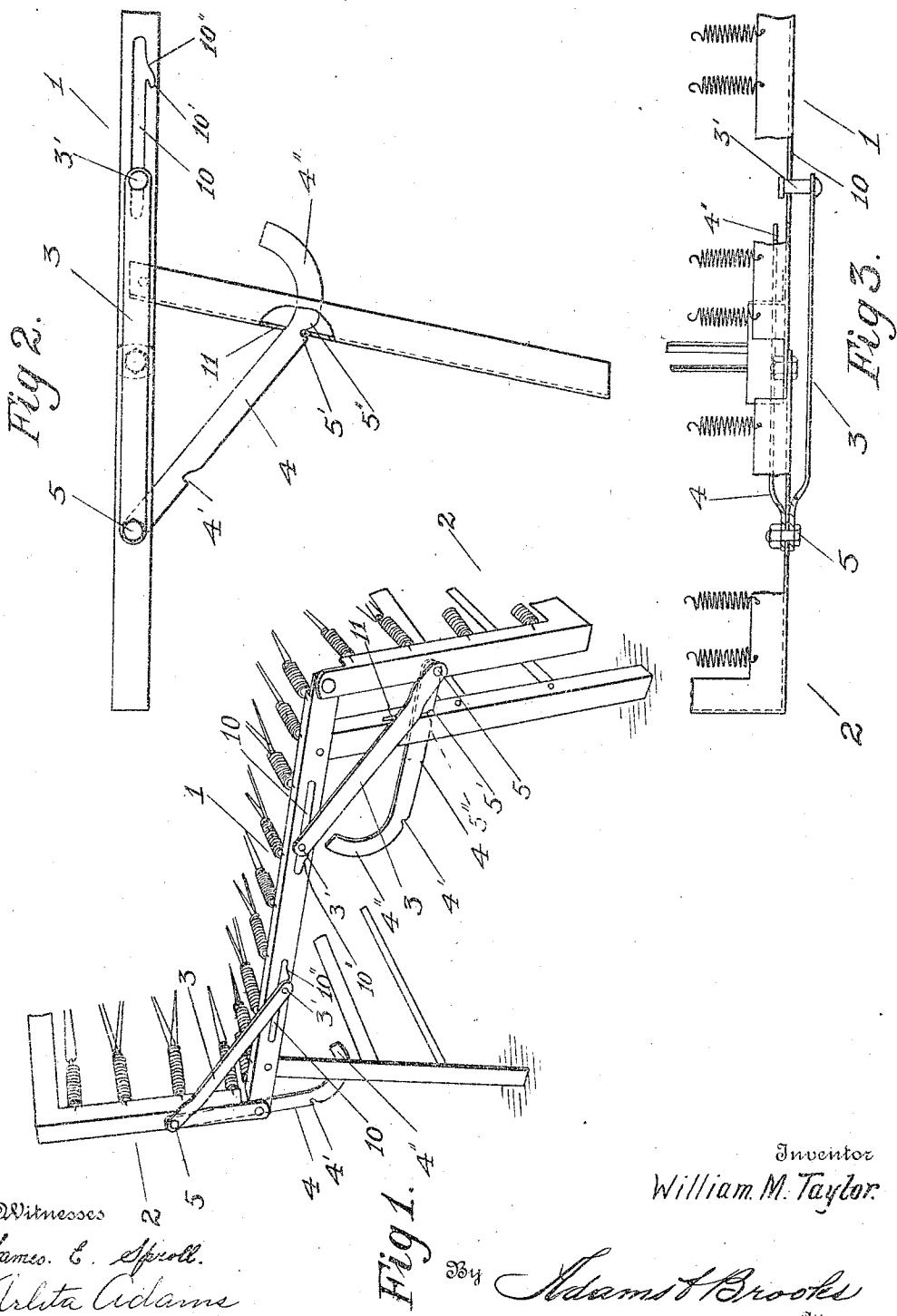


W. M. TAYLOR.
EXTENSION COUCH OR BED.
APPLICATION FILED FEB. 24, 1910.

975,480.

Patented Nov. 15, 1910.



Witnesses

James E. Sproll.
Arleta Adams

Inventor

William M. Taylor.

By *Adams & Brooks*

Attorneys

UNITED STATES PATENT OFFICE.

WILLIAM M. TAYLOR, OF TACOMA, WASHINGTON, ASSIGNOR TO CARMAN MANUFACTURING COMPANY, OF TACOMA, WASHINGTON.

EXTENSION COUCH OR BED.

975,480.

Specification of Letters Patent. Patented Nov. 15, 1910.

Application filed February 24, 1910. Serial No. 545,748.

To all whom it may concern:

Be it known that I, WILLIAM M. TAYLOR, a citizen of the United States of America, and a resident of the city of Tacoma, in the county of Pierce and State of Washington, have invented certain new and useful Improvements in Extension Couches or Beds, of which the following is a specification.

The present invention pertains to fastening contrivances for couch extensions, and the primary aim thereof is an improved provision in couches of the davenport or drop side type for securing the extensions in adjusted positions.

15 The invention resides in certain novel features in the constructions, combinations, and arrangements of parts as set forth in the following description and defined in the appended claims.

20 In the accompanying drawing wherein similar numerals of reference designate corresponding parts throughout:

Figure 1 is a perspective of one end portion of a couch of the davenport type embodying 25 the features of my invention in such form as now preferred by me, one of the extensions being shown in lowered position and the other raised to provide a back. Fig. 2 is a fragmentary end elevation showing one 30 of the extensions in horizontal position, and Fig. 3 is a fragmentary plan in broken section showing the corner portion of the couch disclosed in Fig. 2.

The couch comprises end frames as 1 of 35 angle bars, and side extension frames as 2, 2 composed of similar bars and pivotally connected with the end frames in the usual manner. For fastening the extension frames 40 contrivances including a stay and a brace as 3 and 4 which are arranged respectively at the outer and inner faces of the vertical end flange of the frame and pivotally engaged with a bolt 5 seated in said flange. The stays 3 are provided with angular extensions or catches 3', conveniently in the 45 form of collar rivets, which fit freely in respective guide slots 10 provided in the vertical flanges of the top bars of the end frames, while the braces 4 are provided with 50 curved extensions 4'' and slidably engaged in respective guide slots, as 11 provided in the side flanges of the standards or legs of said frames.

55 The braces for each extension frame are

provided with inwardly facing shoulders 5' and 4' which are adapted to engage the lower walls of the guide slots 11 of the braces when the said frame is adjusted to horizontal and lowered positions respectively. Each brace is furthermore provided with an angular shoulder 5'' in common with the lower edge of its curved portion 4 and which shoulder is adapted to ride over the lower wall of the guide slot of the brace 65 when the extension is moved upwardly from the horizontal position. By this arrangement the braces can be directed for clear passage of their shoulders 5' through the slots 11 by moving the extension frame 70 quickly first upwardly from and then downwardly past the horizontal.

The slots 10 communicate with outwardly inclined notches 10' which are provided in their lower walls to receive the catches 3' 75 when the extension frames are raised to serve as backs, and are provided with convex bearing surfaces 10'' for the catches in common with the inner wall portions of respective slots 10. By this arrangement the stays of 80 either extension frame can be directed for retraction of their catches 3' clear of the notches thereof by moving the frame quickly first inwardly and then outwardly.

When extension frames 2, are adjusted to 85 their lowered position, catches 3' of stays 3 are held out of engagement with the notches 10', as clearly shown in Fig. 2.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent of the United States of America, is:

1. In an extension couch or bed, an end frame including angularly disposed members each formed with a guide slot provided with a shoulder, an extension frame pivoted to said end frame, and a catch contrivance comprising members pivoted to said extension frame and each provided with an engaging part, said members being each slidably engaged in a respective guide slot of said end frame and one thereof being connected with said extension frame for movement therewith across its center of movement.

2. In an extension couch or bed, an end frame, an extension frame pivoted thereto, a catch contrivance comprising a stay and a brace pivoted on one of said frames, said stay being connected for movement across

the center of movement of said extension frame, and releasable connecting means between said stay and brace and the other of said frames, engaging the stay for operation when said extension frame is in elevated position and engaging said brace for operation when said extension frame is in horizontal and lowered positions.

3. In an extension couch or bed, an end frame including angularly disposed upper and lower frame members formed with guide slots, an extension frame pivoted to said end frame, a stay pivoted to said extension frame and provided on its free end portion with an engaging part and slidably engaged in the slot of the upper member of said end frame, said guide slot being formed with a catch shoulder arranged to be engaged by said engaging part of said stay

when said extension frame is in elevated position, a brace pivoted to said extension frame and slidably engaged in the guide slot of the lower member of said end frame, said last named guide slot being provided with a catch shoulder, said brace having spaced engaging parts for engagement with the catch shoulder of said last named guide slot for holding said extension frame in horizontal and lowered positions, the same when in the last named position holding the engaging part of said stay out of engagement with its catch shoulder.

Signed at Tacoma, Washington, this 14th day of February 1910.

WILLIAM M. TAYLOR.

Witnesses:

W. P. MANSETH,
H. J. MILES.