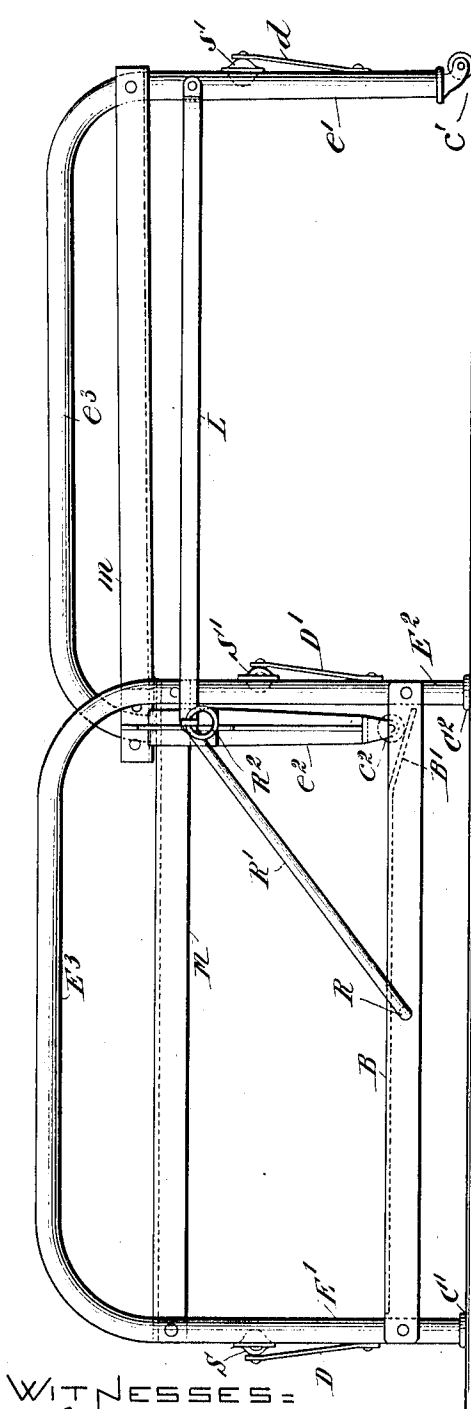


H. MINTZ.
EXTENSIBLE BED.
APPLICATION FILED MAY 3, 1912.

1,035,721.

Patented Aug. 13, 1912.



WITNESSES:
Charles S. Winkler
Josephine H. Ryan

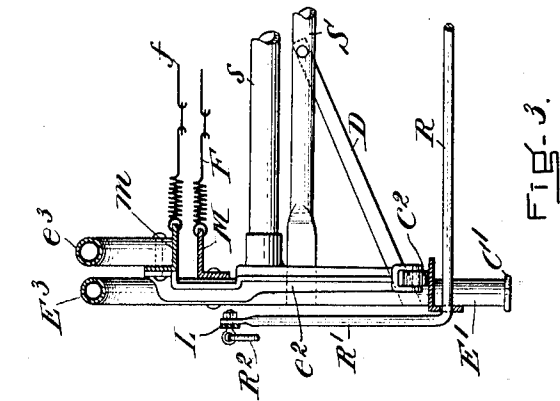


FIG-3.

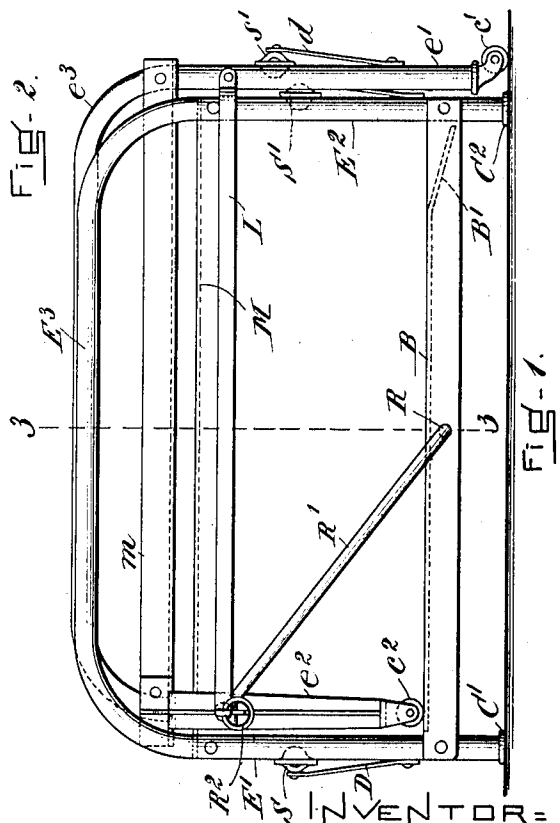


FIG-1.

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EXTENSIBLE BED.

1,035,721.

Specification of Letters Patent.

Patented Aug. 13, 1912.

Application filed May 3, 1912. Serial No. 694,828.

To all whom it may concern:

Be it known that I, HARRY MINTZ, a citizen of the United States, and resident of Malden, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Extensible Beds, of which the following is a specification.

My invention relates to the construction of extensible beds, and consists in sundry improvements by which the movements of the extensible or sliding section of such a bed are made easy and smooth, and the structure is made compact and substantial.

An example of my invention is illustrated in the annexed drawings, in which,—

Figure 1 is an end elevation of an extensible bed with its two bed frames closed together; Fig. 2 is an end elevation of the same when extended; and Fig. 3 is a cross section taken at the line 3—3, Fig. 1, looking to the left.

The extensible bed comprises two bed frames, of which the main frame is composed of the following members:—end frames preferably constructed by bending a piece of metal pipe to form the legs E' , E^2 and a top rail E^3 ; mattress bars M , made of angle iron and united to the legs E' , E^2 , with the horizontal flange uppermost; cross bars B , of angle iron, united to the legs E' , E^2 , and extending crosswise of the end frame below the mattress bars, side rails S , S' secured to the legs E' , E^2 , and braced if desired, as by brace-bars D , D' ; and an elastic fabric F , such as "National" spring, stretched between the mattress bars of the end frames. As both ends of the main frame are alike, only one end is shown in the drawings.

The sliding or extensible section is composed of the following members: end frames preferably constructed by bending a piece of metal pipe to form legs e' at one side, with casters c' which roll on the floor and a top rail e^3 , which bends over and terminates at the other side close to the horizontal flange of the mattress bar m ; the mattress bars m , made of angle iron, and united to the end frames with their horizontal flanges lowermost; legs e^2 , riveted to the mattress bars m crooked or offset so as to clear the mattress bars M of the main frame, and provided with casters c^2 which rest and roll on the cross braces B of the main frame; side rails s , s' , of which s is a pipe fitting in sockets

on the legs e^2 and s' a pipe united to the legs e' and braced, as by brace bars d ; and an elastic fabric f , stretched between the mattress bars m . Like the main frame, the extensible frame is the same in structure at both ends.

Preferably the legs of the main frame will have solid feet C' , C^2 , so that this frame will stand more firmly than if it had casters. Preferably also, the top flanges of the cross bars B will be bent down as at B' , so as to allow the legs e^2 of the sliding frame to drop when the frame is fully extended; these inclined portions of the cross bars B form, in effect, with the adjacent legs E^2 of the main frame, sockets into which the casters c^2 are lodged when the bed is extended, and lend firmness to the extended structure. The descent of the inner edge of the main section, due to the inclination of the ends of the cross bars B , brings the spring fabrics close together and furnishes the desirable effect of a practically continuous bedding support from one side to the other of the extended structure.

For convenience in moving the extensible bed-section, a longitudinal rock shaft R , journaled in holes in the vertical flanges of the cross bars B , B , and bent to form crank arms, as R' , is connected by links, as L , with the extensible section, and provided with a ring or other convenient handle, as R^2 , so that by pulling on the handle or ring both ends of the extensible section are pushed out or pulled in with equal effort, and in consequence the movement is easy.

The provision of inner legs e^2 , offset or crooked to clear the mattress bars M enables the extensible section to fit quite snugly into the main section, and as the length of the extensible section practically determines the available length of the bed as a whole, the compact arrangement thus made possible is of advantage, since the length of the extensible section approaches closely to that of the main section.

What I claim and desire to secure by Letters Patent is:

1. In an extensible bed, the combination of a main bed frame comprising end frames, mattress bars, and cross braces, side bars and spring mattress fabric extended between the mattress bars and a sliding bed frame comprising end frames, mattress bars directly overlying the mattress bars of the main frame, outer legs to rest on the floor,

inner legs offset to clear the mattress bars of the main frame and resting on the cross braces of the main frame, side bars, and spring mattress fabric extended between the mattress bars, overlying the fabric of the main bed frame.

2. In an extensible bed, the combination of a main bed frame comprising end frames, mattress bars, and cross braces, side bars, and spring mattress fabric extended between the mattress bars, and a sliding bed frame, comprising end frames, mattress bars directly overlying the mattress bars of the main frame, outer legs to rest on the floor, inner legs resting on the cross braces of the main frame, side bars, and spring mattress fabric extended between the mattress bars, overlying the fabric of the main frame, the cross braces of the main frame being downwardly inclined near the outer ends, to form a lodgment for the legs of the sliding bed frame when the latter is extended.

3. In an extensible bed, the combination

of a main bed frame comprising end frames, mattress bars, and cross braces, side bars and spring mattress fabric extended between the mattress bars and a sliding bed frame comprising end frames, mattress bars directly overlying the mattress bars of the main frame, outer legs to rest on the floor, inner legs offset to clear the mattress bars of the main frame and resting on the cross braces of the main frame, side bars and spring mattress fabric extended between the mattress bars, overlying the fabric of the main bed frame, the cross bars of the main frame being downwardly inclined near the outer ends, to form a lodgment for the legs of the sliding bed frame when the latter is extended.

Signed by me at Boston, Massachusetts, this 25th day of April, 1912.

HARRY MINTZ.

Witnesses:

CHARLES D. WOODBERRY,
ODIN ROBERTS.