

N. P. JENSEN.
 BED ATTACHMENT.
 APPLICATION FILED OCT. 1, 1914.

1,155,241.

Patented Sept. 28, 1915.
 2 SHEETS—SHEET 1.

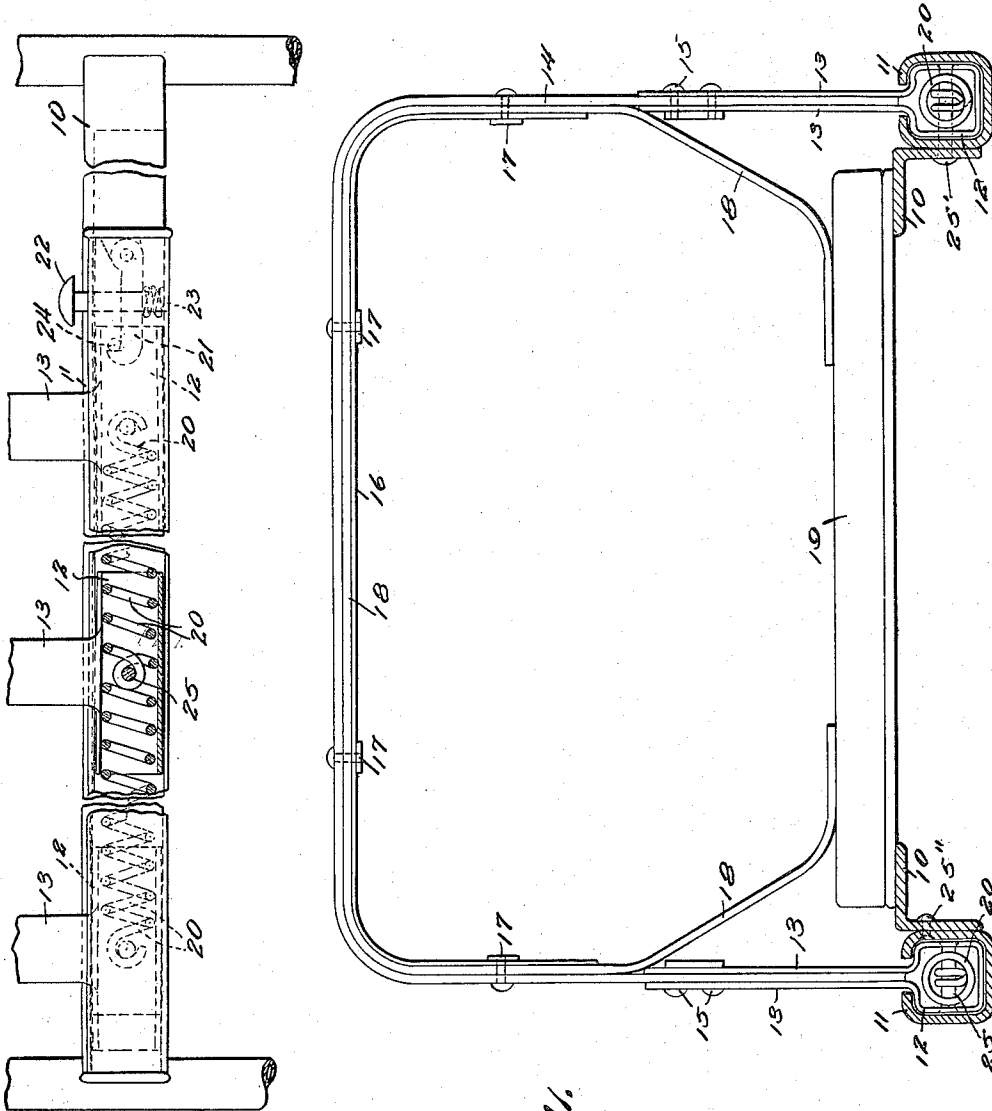


Fig. 1.

Witness
W. H. S.
W. H. S.

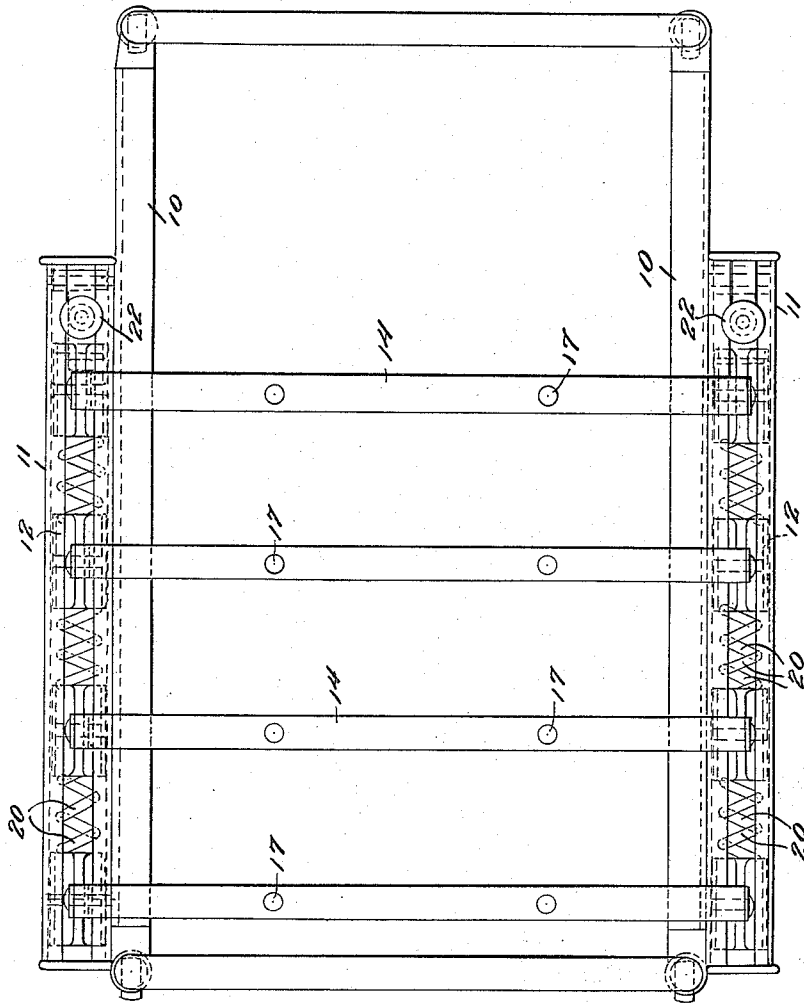
Inventor
 N. P. Jensen.

By *Mason Fennick Lawrence,*
 Attorneys

N. P. JENSEN.
BED ATTACHMENT.
APPLICATION FILED OCT. 1, 1914.

1,155,241.

Patented Sept. 28, 1915.
2 SHEETS—SHEET 2.



N.P.J.

Witness

R. F. Prognier.

Inventor

N. P. Jensen.

By

Mason Fennick Lawrence,

Attorneys

UNITED STATES PATENT OFFICE.

NIELS P. JENSEN, OF JANESVILLE, WISCONSIN.

BED ATTACHMENT.

1,155,241.

Specification of Letters Patent.

Patented Sept. 28, 1915.

Application filed October 1, 1914. Serial No. 864,482.

To all whom it may concern:

Be it known that I, NIELS P. JENSEN, a citizen of the Kingdom of Denmark, residing at Janesville, in the county of Rock and State of Wisconsin, have invented certain new and useful Improvements in Bed Attachments; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to bed attachments, and the object is to provide a device for supporting bed clothing in a new and improved manner. The invention comprises certain novel constructions, combinations, and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawings, Figure 1 is a transverse sectional view through the bed rail showing the arch in position in the guide. Fig. 2 is a top plan view of a number of the arches in position in the guides. Fig. 3 is a view in side elevation of a bed with the guide in position partly broken away showing the bases of the arches connected to their tubular members movable therein.

In cases of severe illness of certain kinds, for instance, inflammatory rheumatism, a patient does not desire even the bed clothing or any weight to rest upon him, and this device is especially adapted for use under such conditions.

Like characters of reference designate corresponding parts throughout the several views.

The present invention is adapted to be connected with beds of the usual and ordinary type represented by the side rails 10 to which are secured guides 11 being in the form of tubes of any desired or usual cross section with open top in the form of slits as shown more particularly at Fig. 1.

Within the guides are mounted tubular members 12 free to slide therein and carrying uprights 13 bifurcated or spaced apart as shown at Fig. 1 with arches 14 inserted and adjustable between such uprights 13 by means of bolts 15.

Within the arch 14 a strip 16 is carried in any approved manner as by bolts 17 which are inserted through the bed-clothing 18 introduced between the arch 14 and the strip

16 whereby such bed-clothing is supported above the mattress 19.

Any approved or desired number of the tubular members 12 and arches 14 may be employed, the number shown in the drawings being immaterial to the proper carrying forward of the invention.

Between the tubular members 12 springs 20 are employed tending to draw the blocks and their supported arches toward the foot of the bed. At the end of the guide nearest the head of the bed detents 21 are pivoted provided with push-buttons 22 and a spring 23 serving to hold such detents yieldingly in engagement with the pin 24 and the arches in spaced relation. When the detent is released from the pin 24 the spring 20 being under tension serves to draw the several arches together and all toward the foot of the bed.

The spring 20 may be continuous throughout the entire run and connected individually with the tubular members 12 as shown in Fig. 3 and connected with the tubular members by means of pins 25 25'. The spring is placed under tension as the bed-clothing is drawn toward the head of the bed and serves to move the arches into position at the foot of the bed when the detent 21 is released.

On each side of the bed, near the foot, the spring and one tubular member is secured by a pin 25' to side rail 10. Members 10 and 11 are connected at intervals by pins 25''.

I claim:

1. In a bed clothing support, guides adapted to be attached to the side rails of a bed; tubular members slidable along the guides; arches carried by the tubular members and spanning the interval between the guides, said arches being adapted to have bed clothing secured thereto; springs connecting the tubular members and serving to draw the members toward each other, a device for securing one end of each spring, near the end of the adjacent guide, to a stationary member; and means to hold the tubular members in spaced relation under tension of the springs.

2. In a bed clothing support, spaced guides; a plurality of tubular members slidably mounted and movable along the guides; arches carried by the tubular members and

spanning the interval between the guides, said arches being adapted to have bed-clothing secured thereto; springs connecting the several tubular members and tending to draw
5 the tubular members together, a device for securing one end of each spring, near the end of the adjacent guide, to a stationary member, and a manually operable detent tending

to hold the tubular members in spaced relation against the tension of the springs.

In testimony whereof I affix my signature in presence of two witnesses.

NIELS P. JENSEN.

Witnesses:

ETHEL SHAW,
CARRIE BERG.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."