

No. 751,217.

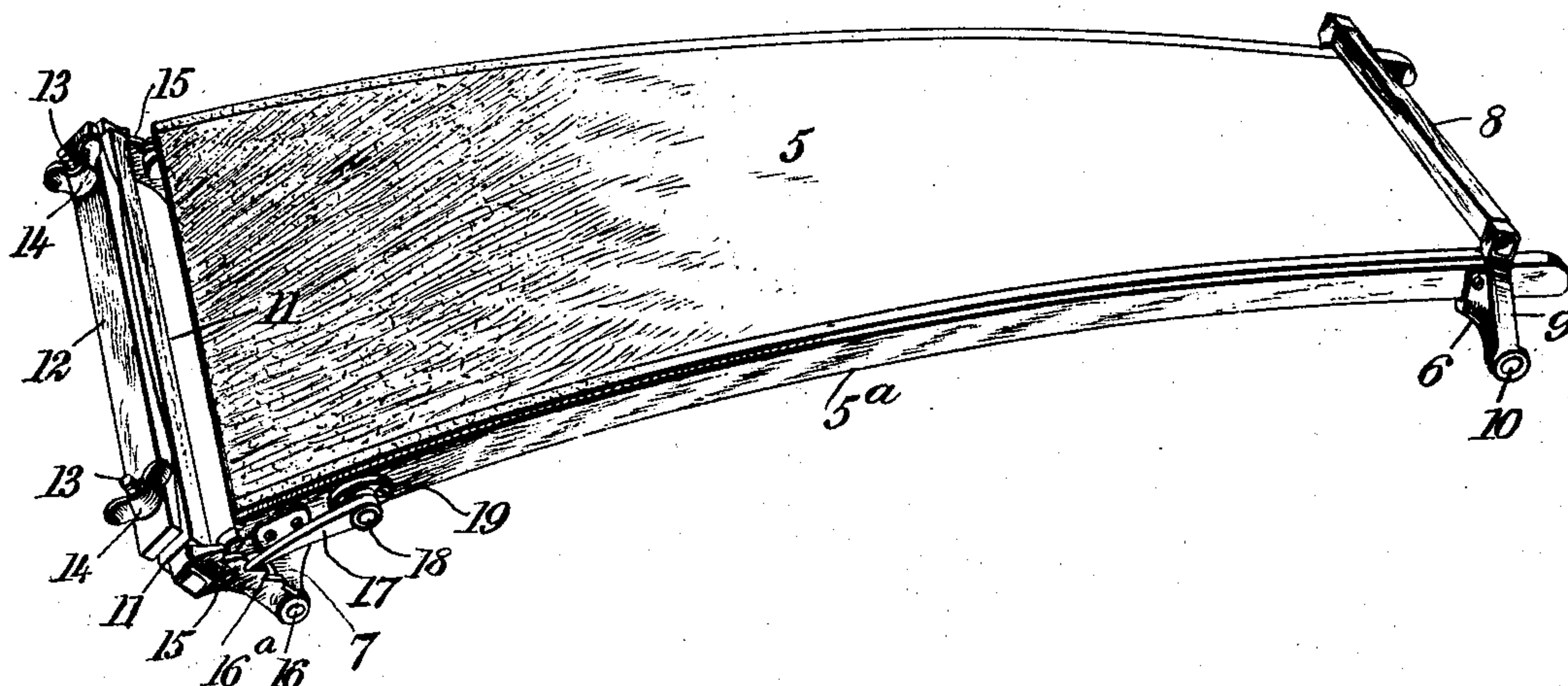
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F. STEVENS.  
DEVICE FOR STRETCHING AND PRESSING TROUSERS.

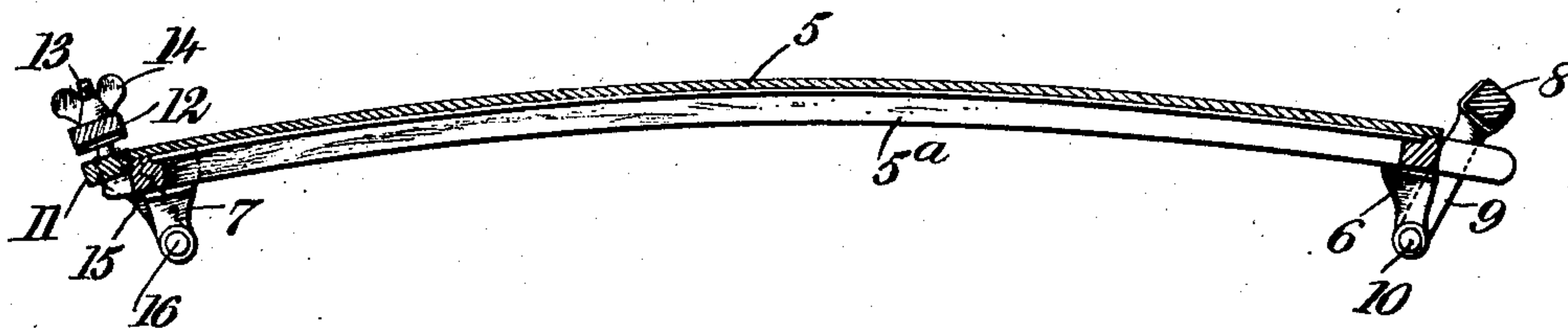
APPLICATION FILED JAN. 3, 1903.

NO MODEL.

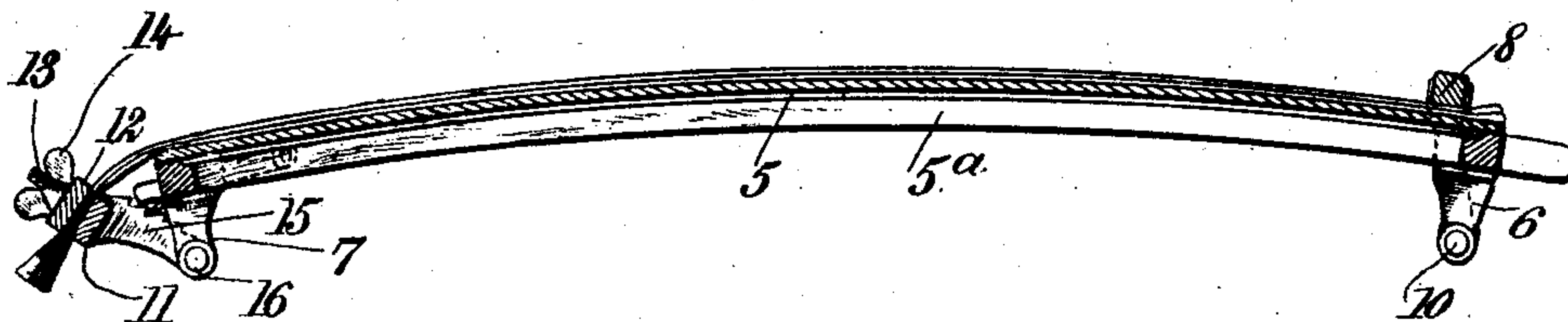
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

FREDERICK STEVENS, OF SYRACUSE, NEW YORK.

## DEVICE FOR STRETCHING AND PRESSING TROUSERS.

SPECIFICATION forming part of Letters Patent No. 751,217, dated February 2, 1904.

Application filed January 3, 1903. Serial No. 137,644. (No model.)

### *To all whom it may concern:*

Be it known that I, FREDERICK STEVENS, a citizen of the United States, and a resident of Syracuse, in the county of Onondaga and State of New York, have invented a new and Improved Device for Stretching and Pressing Trousers, of which the following is a full, clear, and exact description.

My invention relates to improvements in devices for stretching and pressing trousers; and the object that I have in view is the provision of a simple, strong, and durable article adapted for the purpose of stretching trousers to take out the "bagging" in the knees thereof or for pressing the trousers, to the end that the wrinkles and bagging may be removed and the trousers made to present a neat appearance.

Further objects and advantages of the invention will appear in the course of the subjoined description, and the novelty will be defined by the annexed claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of a trousers stretcher and presser constructed in accordance with my invention. Fig. 2 is a vertical longitudinal section showing the clamping devices in their opened positions, and Fig. 3 is a section similar to Fig. 2 with the clamping devices adjusted in their operative positions and adapted to stretch a pair of trousers.

In carrying my invention into practice I employ a bed 5, which is preferably curved longitudinally, as shown by the drawings. This curved bed may taper from one end toward the other, and at the corners the bed is provided with depending legs 6 7. The legs are each cast in a single piece of metal in a form which enables the secure attachment of the leg to a corner of the curved bed, and these legs depend a suitable distance below the bed in order to support the latter in a substantially horizontal position.

8 designates a clamping-bar arranged in a horizontal position to extend across an end portion of the bed. The bar may be of any desired form in cross-section, and the end por-

tions of said bar are rigidly secured to a pair of arms 9, the latter being pivoted, as at 10, to the legs 6 at one end portion of the bed. The bar is supported by the pivoted arms in a way to be adjustable toward and from the bed, and the legs 6, with the arms 9, are so arranged that the bar when adjusted in one direction will move upwardly and outwardly away from the bed; but an adjustment of the bar in the opposite direction will make it move downwardly and inwardly toward the bed. The peculiar movement of the bar 8, due to the pivotal attachment of the arms at the point 10, is advantageous, because the bar may be moved beyond one end of the bed, so as to allow an end portion of the trousers to be placed easily and quickly on said bed without hindrance from the bar. Again, the adjustment of the bar into engagement with the trousers and into coöperative relation to the bed operates to secure the trousers firmly in place between the bed and the bar, and, furthermore, a pull on the trousers in a direction away from the bar 8 exerts such force on the bar as to more firmly clamp the trousers on the bed.

In connection with the bed I employ an adjustable or shiftable clamp, which is disposed at the opposite end of the bed from the bar 8. This clamp consists of two members 11 12 and a suitable means for drawing the members toward one another. Said means in the embodiment of the invention shown by the drawings consists of bolts 13, which are fastened to the member 11 near the end portions thereof and are adapted to pass through suitable openings in the member 12, and on these bolts are screwed the winged thumb-nuts 14, which are adapted to bind against the member 12 and press it toward the companion member 11. The member 11 of the clamp is secured firmly to a pair of adjustable arms 15, which are pivoted at 16 to the legs 7 at one end portion of the bed 5. These arms 15 are each provided on one edge with a series of teeth 16<sup>a</sup>, constituting a rack, and with the racks of the two arms engage the pawls 17, the latter being pivoted at 18 to the side portions of the bed, preferably by means of the metallic plates 19. From this description it will be under-



stood that the bar 11 of the shiftable clamp is carried by the pivoted rack-formed arms, while the member 12 of said clamp is mounted on the member 11 in a way to be supported thereby and to be adjusted relatively thereto. 5 The entire clamp may be adjusted toward and from an end portion of the bed, and this clamp is adapted to be securely held at various points of adjustment by the pawls 17 engaging with the toothed edges of the pivoted arms 15. 10

My device may be employed as a means for stretching trousers in order to take the bagging out of the knees thereof.

In using the device the trousers are folded 15 neatly and laid upon the bed. The bar 8 is now adjusted across an end portion of the trousers, as shown by Fig. 3, while the other end portion of said trousers is placed across the member 11 of the shiftable clamp, and 20 finally the member 12 is pressed on the trousers and into coöperative relation to the member 11 by adjusting the thumb-nuts 14 on the screw-bolts 13. Having placed the trousers in the device, the operator now presses the 25 shiftable clamp away from the end portion of the bed, as shown by Fig. 3, and finally the pawls 17 are adjusted to engage with the arms 15 and hold the trousers in a stretched condition. If it is desired to press the trousers to 30 remove wrinkles therefrom and to restore them to a neat condition, the operator may place a damp cloth on the trousers and iron them by running a heated iron over the article. In this connection the curved form of 35 the bed 5 is advantageous, because the trousers are prevented from wrinkling during the pressing or ironing operation.

The bed 5 may be constructed in any suitable way; but, as shown by the drawings, it consists of a top layer secured in any suitable 40 way to a framework 5<sup>a</sup>, having longitudinal and transverse bars. It is evident that the exposed surface of the bed 5, as well as the clamping-faces of the bar 8 and the two-part 45 clamp 11 12, may be covered with felt or any other suitable material.

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

1. A device of the class described, having a 50 rigid bed affording a continuous surface on which trousers may be laid and pressed, a clamping-bar connected to and extending across said bed and coöperating therewith in holding the trousers firmly in place at one end 55 of said bed, a two-part clamp having parallel coöperating members and connected to the other end portion of the bed and adjustable relatively to said clamping-bar for stretching

trousers across the bed, means for firmly holding the members of said two-part clamp in coöperative relation, and means for locking said two-part clamp in either of a series of adjusted positions relative to the bed.

2. A device of the class described, having a rigid bed affording a pressing-surface, a clamping-bar at one end portion of said bed, an adjustable clamp having pivotal connection with the other end portion of the bed and movable to variable positions beyond the same, said clamp consisting of parallel coöperating members arranged to receive trousers between themselves, and means for locking said adjustable clamp in either of a series of adjusted positions.

3. A device of the class described, having a curved rigid bed affording a pressing-surface, a clamping-bar arranged across said bed and having arms pivoted to said bed at a point below an end portion thereof, said clamping-bar being movable in an arcuate path eccentric to the curvature of the bed and shiftable into coöperative relation to an end portion of said bed, and an adjustable stretching device connected to the other end portion of the bed.

4. A device of the class described, having a rigid bed affording a pressing-surface, a clamping device on one end portion of said bed, adjustable arms pivoted to the opposite end portion of the bed, a stretching-clamp carried by said arms and consisting of parallel coöperating members disposed to receive trousers between themselves, means for firmly holding the parallel members of said stretching-clamp in coöperative relation and means for locking said arms and the clamp thereon in either of a series of adjusted positions relatively to said bed.

5. A device of the class described, comprising a bed having depending legs, a pair of arms pivoted to the legs of one pair at one end portion of said bed, a clamping-bar carried by said arms and adjustable into and out of coöperative relation to the bed, a two-part shiftable clamp, means connecting said shiftable clamp with the opposite end portion of the bed, and a locking device for holding the shiftable clamp in either of a series of adjusted positions relative to the bed.

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

FREDERICK STEVENS.

Witnesses:

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CORA E. PHARES.