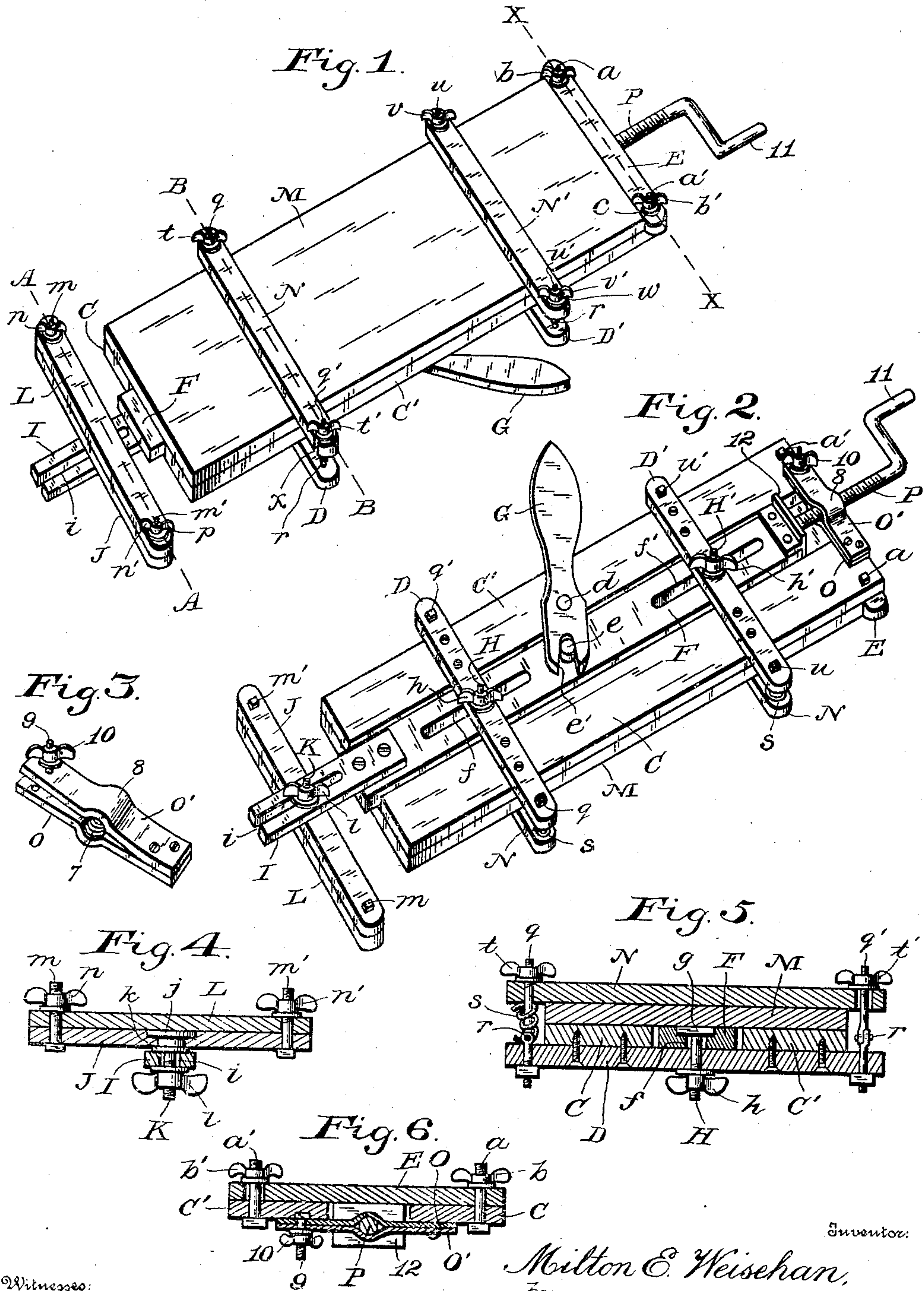


No. 828,078.

PATENTED AUG. 7, 1906.

M. E. WEISEHAN.
TROUSERS STRETCHER AND PRESSER.
APPLICATION FILED AUG. 19, 1905.



Witnesses:

B. L. Boyle.
H. J. Brown.

Inventor:

Milton E. Weisehan,
by

E. J. Silvers,
Attorney.

UNITED STATES PATENT OFFICE.

MILTON E. WEISEHAN, OF ZIONSVILLE, INDIANA.

TROUSERS STRETCHER AND PRESSER.

No. 828,078.

Specification of Letters Patent.

Patented Aug. 7, 1906.

Application filed August 19, 1905. Serial No. 274,844.

To all whom it may concern:

Be it known that I, MILTON E. WEISEHAN, a citizen of the United States, residing at Zionsville, in the county of Boone and State of Indiana, have invented new and useful Improvements in Trousers Stretchers and Pressers; and I do declare the following to be a full, clear, and exact description of the invention, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to apparatus for stretching and pressing trousers, and refers more particularly to the devices whereby the stretching is accomplished before the operation of pressing occurs.

Objects of the invention are to provide apparatus of the above-mentioned character that may be produced at comparatively small cost, especially by considerable use of waste lumber from sawmills, to provide a stretcher and presser whereby trousers may be stretched evenly throughout and then be pressed and creased while in a stretched condition, which apparatus shall be convenient of operation and be durable and economical in use.

With the above-mentioned and minor objects in view the invention consists in a trousers stretcher and presser having a base-board provided with a movable section supporting an equalizing stretcher-head, means for controlling the movable section, a press-board, and means for forcing the press-board toward the base-board; and the invention consists, further, in the parts and combinations and arrangements of parts, as hereinafter particularly described and claimed.

Referring to the drawings, Figure 1 is a front perspective view of the stretcher and presser constructed substantially in accordance with the invention; Fig. 2, a rear perspective view thereof; Fig. 3, a perspective view of a detached part thereof; Fig. 4, a transverse sectional view on the line A A in Fig. 1; Fig. 5, a transverse sectional view on the line B B in Fig. 1, and Fig. 6 a transverse sectional view on the line X X in Fig. 1.

Similar reference characters in the different figures of the drawings designate corresponding elements or features.

In construction the base-board, on which the articles are to be placed to be stretched and pressed, comprises two sections C and C', somewhat separated one from the other, to which are rigidly secured a pair of cross-bars D and D', that extend across the under sides thereof. A clamp-bar E is mounted movably on the tops of the sections C and C' at ends thereof, being connected thereto by bolts *a* and *a'* and thumb-nuts *b* and *b'* for clamping the lower ends of the trousers to the base-board, the clamp-bar having a slot *c* in one side of an end thereof, so that the clamp-bar may swing on the bolt *a* away from the bolt *a'* when the thumb-nuts are loosened. The base-board is provided with a central movable section F, which is arranged between the sections C and C' and is movable longitudinally on and partially guided by the cross-bars D and D', all of the sections comprising the base-board being uniform in thickness. A lever G is connected by a pivot *d* to the section C' and also by a post *e* to the section F of the base-board for the operation of the movable section, the lever having a slot *e'* in its end to permit withdrawal of the post, the section F having a slot *f*, through which extends a binding-bolt H, that has a T-head *g* let in flush with the upper side of the section F, the binding-bolt extending through the cross-bar D and having a thumb-nut *h* thereon for binding the section F to the cross-bar, and consequently to the other sections of the base-board. The section F has also a slot *f'*, in which is a bolt H', engaging the section and extending through the cross-bar D' and having a nut *h'* for assisting in guiding and holding the section F.

The head end of the section F of the base-board has an offset part I, which is formed as a separate piece and secured rigidly to the main part of the section, the part I having a slot *i* in its end, on which a lower clamp-bar J of a stretcher-head is mounted pivotally by means of a pivot-bolt K, that has a flat head *j*, which is let into the top of the clamp-bar flush therewith, there being a washer *k* on the pivot-bolt against a shoulder thereof under the clamp-bar and on the top of the part I, the pivot-bolt having a thumb-nut *l* for securing the same to the part I in various positions, so that the clamp-bar may turn pivot-

ally on the part I. An upper clamp-bar L is pivotally connected by a binding-bolt *m*, having a thumb-nut *n*, to an end of the clamp-bar J, and the opposite ends of the clamp-bars are connected by a binding-bolt *m'*, having a thumb-nut *n'*, the clamp-bar L having a suitable side slot at *p*, so that the clamp-bar may swing away from the binding-bolt *m'* when loosened.

A press-board M extends across the base-board transversely and also longitudinally from the clamp-bar E to the opposite ends of the sections C and C' thereof and may be forced against the base-board by means of a pair of cross-bars N and N', the cross-bar N being connected to the cross-bar D by binding-bolts *q* and *q'*, having nuts *t* and *t'*, and the cross-bar N' being connected to the cross-bar D' by binding-bolts *u* and *u'*, having nuts *v* and *v'*, each binding-bolt having a pivot-joint *r* and the binding-bolts *q* and *u* having each a coiled spring *s* thereon normally holding the clamp-bars apart. The clamp-bar N' has a suitable side slot at *w* in an end thereof, and the clamp-bar N has a like slot at *x*, so that the clamp-bars may swing away from the binding-bolts, as the clamp-bars are not fastened to the press-board M, but obviously may be secured thereto, in which case the binding-bolts *q'* and *u'* may swing out of the slots to permit the press-board to wing as a lid on the pivot-bolts *q* and *u*. The slots *p*, *w*, and *x* extend from the sides of the bars to the bolt-holes in the bars.

In order to provide greater stretching power than the lever G may furnish, a nut-and-screw apparatus is connected to the foot end of the base-board, and it comprises a plate O, having a half-nut 7, and a spring-plate O', having a half-nut 8, normally standing off from the other plate slightly to permit the screw P to be moved longitudinally when desired without engaging the screw-threads of the nut, there being a screw 9 and nut 10 to draw the two parts of the nut together onto the screw P when the latter is to exert force, the screw P having a crank 11 and being opposite the tail end of the section F, which has a contact-piece 12 on its end to be engaged by screw P. This apparatus may not be desired on small sizes of stretchers and pressers, when the lever G may furnish sufficient power for stretching small trousers.

In practical use the apparatus may be placed upon any suitable support. Then the cross-bars N and N' and the press-board M are to be displaced, after which the bottoms of the trousers-legs are to be secured under the clamp-bar E, and the upper part of the garment is to be secured between the clamp-bars J and L. The operation of stretching the garment may then be performed while

the nuts *h* and *h'* are loose, the nut *l* being tight. The clamp-bar J may be suitably adjusted in position to suit either long or short trousers, the slot *i* being provided for that purpose. While stretching the trousers the clamp-bar J may turn on the pivotal bolt K, so that the tension will be equalized in order to stretch all portions of the garment uniformly. The stretching may be accomplished expeditiously by first using the lever G, then opening the two-part nut, so that the screw P may be pushed instantly to the end of the section F. Then the nut 10 may be used to close the two-part nut on the screw P, which may then be turned to further stretch the garment. When the stretching is accomplished, the nuts *h* and *h'* are to be tightened, so as to prevent retraction of the section F of the base-board, the garment being thus held in its stretched condition, while the press-board M may be placed upon the garment and forced thereon by means of the cross-bars N and N' and the binding-bolts thereof.

The manner of removing the garment and the other operations will be understood from the foregoing without further description.

Having thus described the invention, what is claimed as new is—

1. A trousers stretcher and presser comprising a base-board provided with a longitudinally-movable section having slots therein, cross-bars secured to the base-board and serving to guide the movable section, bolts extending through the cross-bars and the slots of the movable section, means for moving the section, a press-board for cooperation with the base-board, a clamp-bar on the base-board, a pair of clamp-bars for forcing the press-board toward the base-board, and a stretcher-head pivoted on the movable section.

2. A trousers stretcher and presser comprising a base-board provided with a longitudinally-movable section having a slot therein, means for moving the section, a clamp-bar mounted on the base-board, a press-board for cooperation with the base-board, a cross-bar for forcing the press-board toward the base-board, a binding-bolt extending through the cross-bar and the slot of the movable section of the base-board, and a stretcher-head pivoted to the movable section.

3. A trousers stretcher and presser comprising a base-board provided with a longitudinally-movable section, guides for the movable section, a press-board for cooperation with the base-board, clamping-bars for the press-board, a clamp-bar on the base-board, a stretcher-head pivoted on the movable section, a lever pivoted to the base-board for moving the section, and binding-bolts for fixing the movable section stationarily.

4. A trousers stretcher and presser comprising a base-board provided with a longitudinally-movable section, guides for the section, a press-board for coöperation with the
5 base-board, clamping-bars for the press-board, a clamp-bar on the base-board, a stretcher-head pivoted on the movable section, a two-part opening-nut secured to the

base-board, and a screw in the nut opposite an end of the movable section.

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

MILTON E. WEISEHAN.

Witnesses:

WILLIAM E. SMITH,
CLAUD MONTGOMERY.

10