

(No Model.)

C. H. RUGGLES.
TROUSERS STRETCHER.

No. 534,672.

Patented Feb. 26, 1895.

Fig. 1.

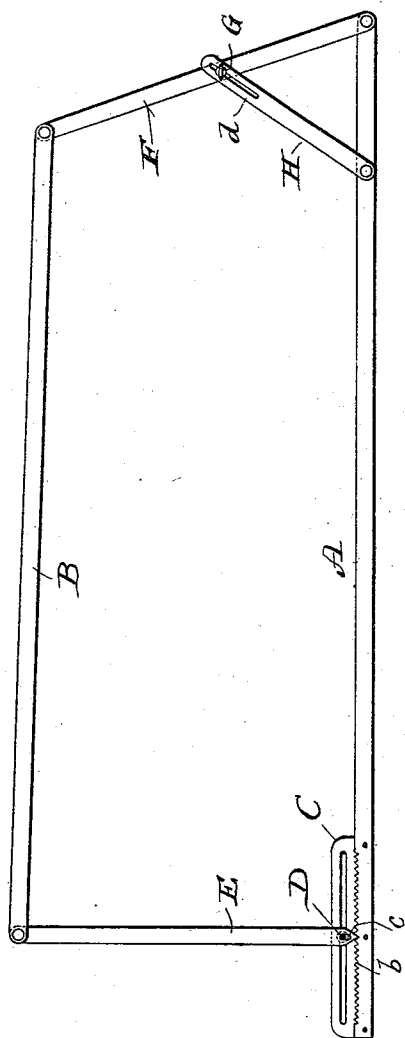


Fig. 4.

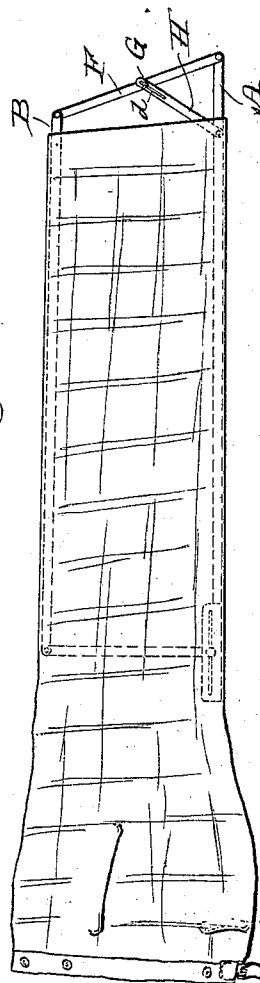
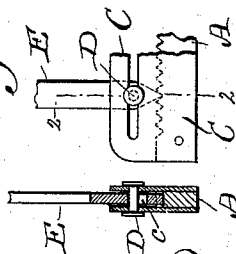


Fig. 2. Fig. 3.



Witnesses:
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CHARLES H. RUGGLES, OF MILWAUKEE, WISCONSIN.

TROUSERS-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 534,672, dated February 26, 1895.

Application filed July 18, 1894. Serial No. 517,851. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. RUGGLES, a citizen of the United States, and a resident of Milwaukee, in the county of Milwaukee, and in the State of Wisconsin, have invented certain new and useful Improvements in Trousers-Stretchers; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention has for its object to provide a simple, economical and efficient device for stretching trousers in order to free the same from wrinkles and bagginess at the knees, the structural peculiarities of said device being hereinafter set forth with reference to the accompanying drawings and subsequently claimed.

In the drawings, Figure 1 represents a plan of my device partly in section; Fig. 2, a detail sectional view on line 2—2 of the succeeding figure; Fig. 3, a detail plan view of the parts shown in the preceding figure, and Fig. 4, a plan view illustrating an application of the device.

Referring by letter to the drawings A, B, represent a pair of parallel bars, one end of the former bar being provided with a series of rack-teeth *b* upon its inner edge.

Riveted or otherwise rigidly secured to opposite sides of the rack end of the bar A are longitudinally slotted plates C that serve as guides for a pin D upset at both ends on said plates. The pin D also engages a longitudinal slot *c* in one end of a link E, and this end of the link is pointed so as to engage the adjacent rack. The other end of the link E is pivotally connected to the bar B and the other end of this bar and the one A are both pivotally connected to another link F, the latter being provided with a set-screw G that engages a longitudinal slot *d* in a stay H the latter being pivoted at one end to said bar A and forming an acute angle therewith.

The set-screw G being loosened the width of the frame comprising the parallel bars and links may be regulated within certain limits

depending on the length of the stay-slot engaged by said screw, and the spread of said frame to conform to any taper that may exist in a trousers leg is governed by the adjustment of the link E on its pivot, the slot in this link permitting the latter to be brought in and out of engagement with the rack on bar A at will.

From the foregoing it will be seen that the stretcher may be readily inserted in a trousers leg and as readily adjusted to properly stretch the same owing to the leverage of the links connecting the parallel bars.

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

1. A trousers stretcher comprising a pair of parallel bars, a link in pivotal connection with both bars, a stay pivoted to one of the bars but adjustably connected to the aforesaid link, and another link pivoted at one end to the bar opposite the one to which the stay is joined, its other end being adjustable longitudinally of the latter bar.

2. A trousers stretcher comprising a pair of parallel bars one of which has a rack upon the inner edge of one end, longitudinally slotted and inwardly extended plates rigidly secured in place on opposite sides of the rack, a pin loose in the plate slots, a link having a pointed rack-opposing end in slot-engagement with the pin and its other end pivotally connected to the opposite bar, another link in pivotal engagement with both bars, a longitudinally slotted stay pivoted to the rack bar, and a set-screw engaging the stay-slot, and latter link.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

CHARLES H. RUGGLES.

Witnesses:

H. G. UNDERWOOD,
E. HARTWIG.