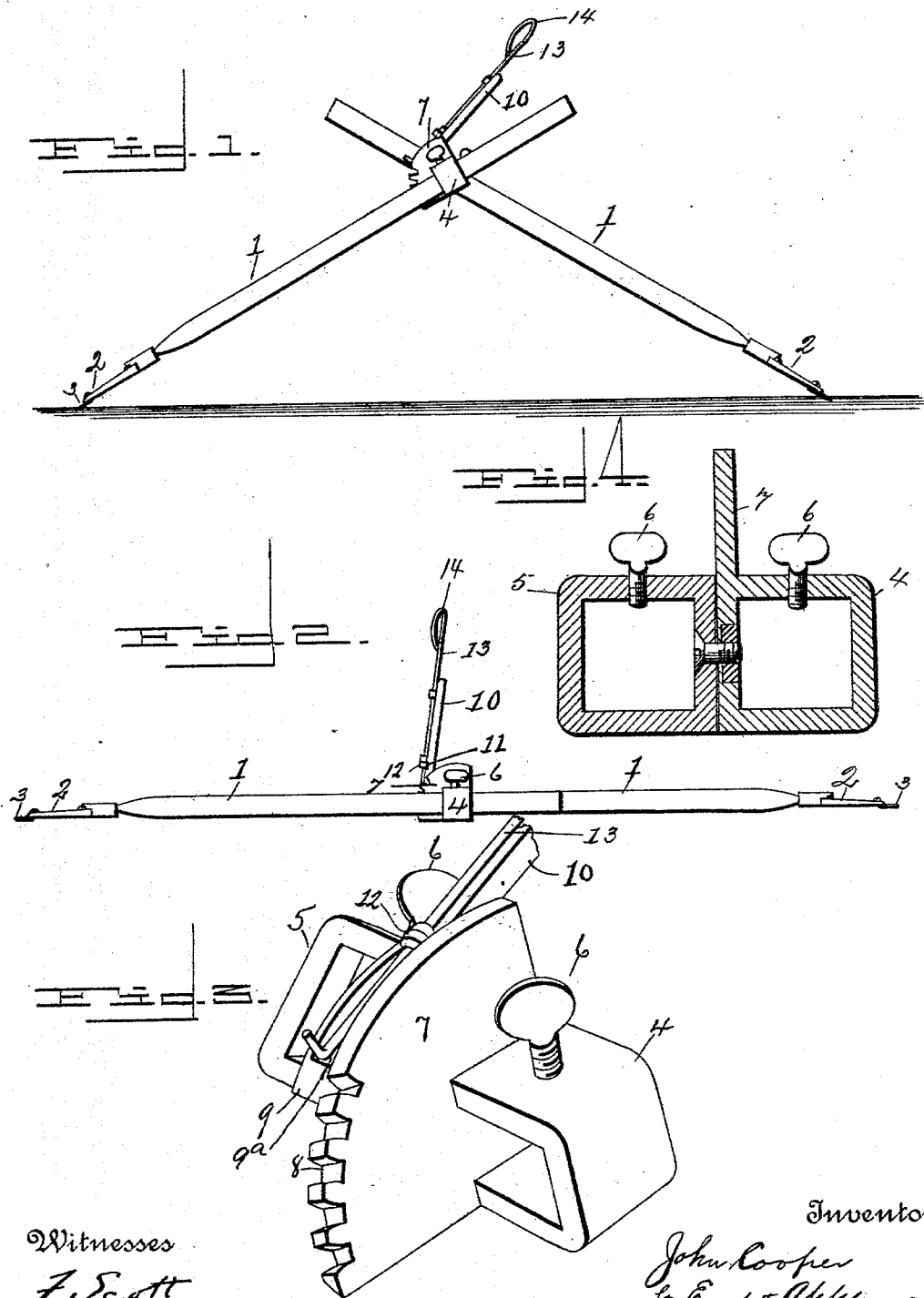


(No Model.)

J. COOPER.
CARPET STRETCHER.

No. 515,995.

Patented Mar. 6, 1894.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN COOPER, OF HURON, SOUTH DAKOTA.

CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 515,995, dated March 6, 1894.

Application filed October 12, 1893. Serial No. 487,921. (No model.)

To all whom it may concern:

Be it known that I, JOHN COOPER, a citizen of the United States of America, residing at Huron, in the county of Beadle and State of South Dakota, have invented certain new and useful Improvements in Carpet-Stretchers, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to certain new and useful improvements in carpet stretchers of which the following is such a clear and exact description as will enable others skilled in the art to make and use the same.

The invention consists in the novel means whereby a carpet stretcher may be readily held at any angle of adjustment while the carpet is being secured by the operator; furthermore, to so form and mount the heads that a downward tendency will be the result, thus retaining the carpet on the floor rather than to elevate it, as is the case with many stretchers in use at the present day; furthermore, the invention resides in the production of a device of its class that shall be simple of construction, strong and durable, as well as satisfactory in use, making it at the same time, comparatively inexpensive to manufacture.

Finally, the invention consists in the various novel details of construction, arrangements, and combinations, of parts to be more fully described and specifically claimed.

In describing the invention in detail, reference is had to the accompanying drawings forming part of this specification and wherein like numerals indicate similar parts in the several views, in which—

Figure 1. is a view in side elevation showing the locking device ready to be applied. Fig. 2. is a similar view showing the arms extended in a horizontal plane. Fig. 3. is an enlarged detail view in perspective of the collars and securing mechanism. Fig. 4 is a sectional view showing the pivotal connection between the head sections.

In the drawings, 1, denotes the arms having secured at the lower extremities stretcher heads 2, 2, of the well-known construction, with the exception that I prefer to attach the toothed plate 3 to the underside of the head, thus preventing the elevation of the heads and the consequent rising of the carpet when acted upon. The arms are adjustably mounted in collars 4, 5, said collars being secured

to plates 7 and 9 pivoted together as shown in Fig. 4 said collars 4 and 5 are provided with set screws 6, that the length of the arms may be speedily and conveniently varied, and secured in place when properly set for operation. The collar 4, is provided with a sector-shaped plate 7, having formed equi-distantly on its periphery notches 8, for purposes to be hereinafter described. The collar 5, is provided with a plate 9, having a recess 9^a, in which the locking lever is embedded. Secured to this plate 9, is an extension piece 10, having a notch 11, to receive the shoulder 12 of the locking lever 13. The locking lever 13 consists of a strip of metal forming a suitable handle 14, with the opposite extremity bent at right angles to the body; said lever being loosely mounted on the extension plate 10, with the shoulder working in the notch 11, to prevent longitudinal movement.

When it is desired to operate the device, the arms are adjusted to a suitable length and the toothed head plates are made to engage the carpet. By a downward pressure on the center, the arms are forced outwardly with the obvious result. When the proper tension is obtained, the right angular extension of the locking lever is turned into engagement with the notches 8, of the plate 7 and the extended position is retained against retraction.

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

1. A carpet stretcher consisting of two plates pivotally connected and having attached thereto collars, one of said plates having a notched periphery, in combination with a locking lever secured to the opposite plate substantially as described.

2. In a carpet stretcher, the combination with the head pieces pivotally connected, consisting of plates one of which has a notched periphery, of collars secured on said plates, a locking lever secured to the other plate and having a right angular extremity for engagement with said notched periphery, of arms carrying stretcher heads substantially as set forth.

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

JOHN COOPER.

Witnesses:

E. T. LANGLEY,
S. M. MCCLANE.