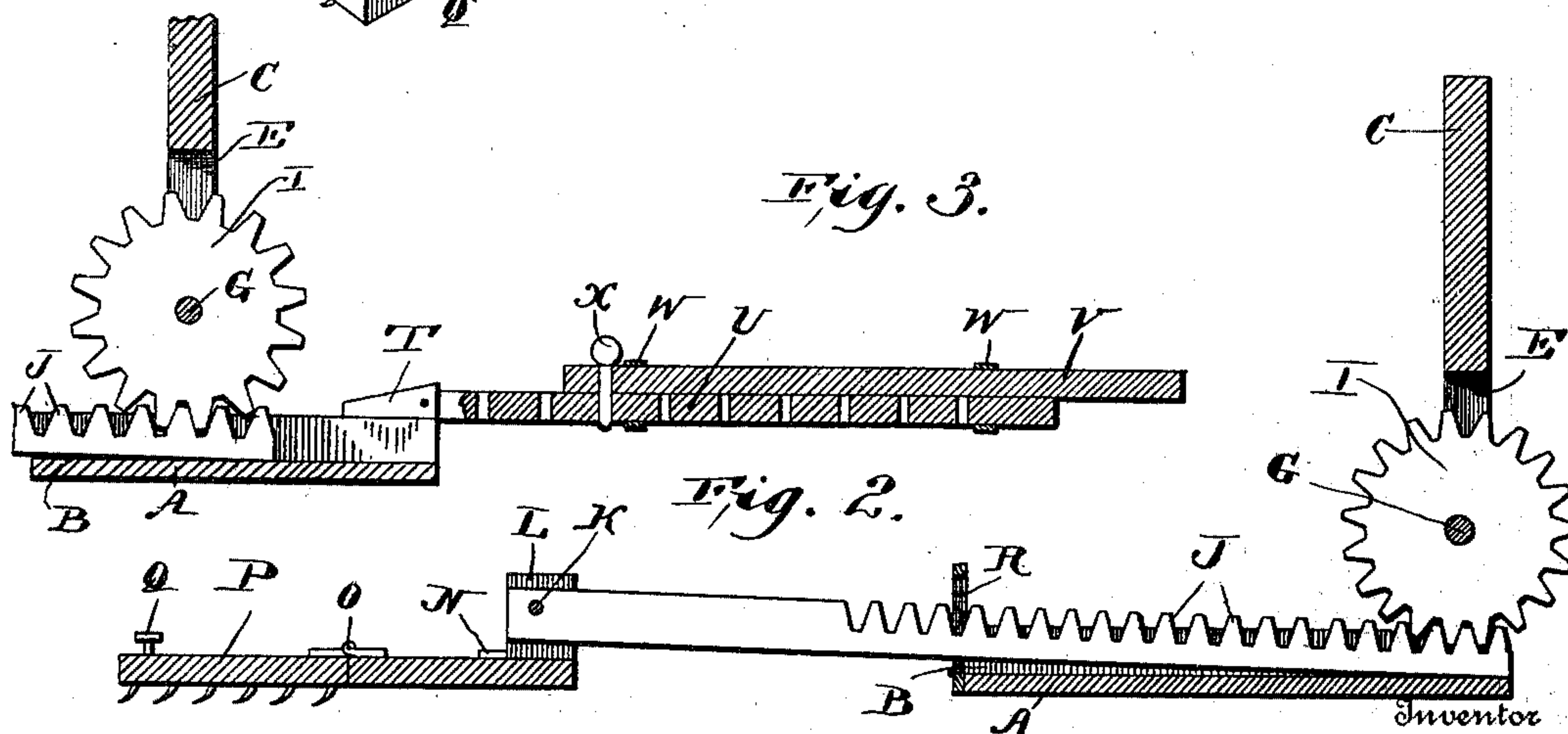
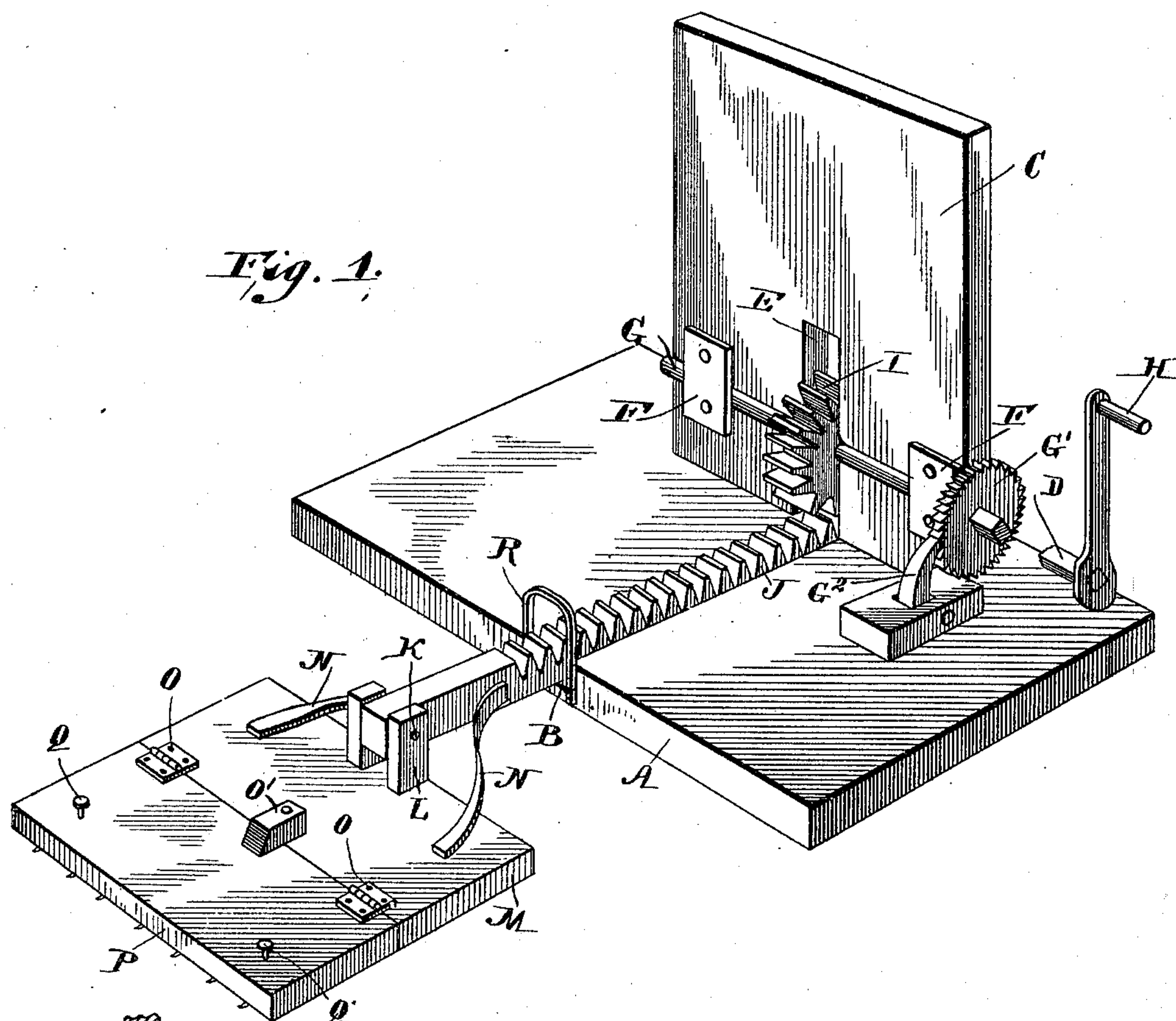


No. 670,947.

Patented Apr. 2, 1901.

P. BRIGGS.
CARPET STRETCHER.
(Application filed Nov. 2, 1900.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

PAUL BRIGGS, OF HARRISBURG, PENNSYLVANIA.

CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 670,947, dated April 2, 1901.

Application filed November 2, 1900. Serial No. 35,278. (No model.)

To all whom it may concern:

Be it known that I, PAUL BRIGGS, a citizen of the United States, residing at Harrisburg, in the county of Dauphin and State of Pennsylvania, have invented a new and useful Carpet-Stretcher, of which the following is a specification.

This invention relates to improvements in carpet-stretchers; and the object is to provide a simple and improved construction of carpet-stretcher which may be conveniently operated to effectively stretch the carpet.

With the above object in view the invention consists in the novel features of construction hereinafter fully described, particularly pointed out in the claim, and clearly illustrated by the accompanying drawings, in which—

Figure 1 is a perspective view of my improved carpet-stretcher; Fig. 2, a vertical longitudinal sectional view of the same, and Fig. 3 a side elevation illustrating the extensible arm.

Referring now more particularly to the accompanying drawings, A designates a base-block formed with a centrally-disposed open-ended groove B, extending transversely thereof. Raised from said base-block A is a supporting-block C, formed at its lower end with a transversely-extending groove D, intersected by a vertical slot E. Positioned in groove D and retained therein by plates F is a shaft G, projecting at one end from the block and carrying a crank-handle H. Said shaft also carries a ratchet-wheel G', which is engaged by a pawl G², pivoted to a plate secured to the base. Mounted upon said shaft and rotating in slot E is a pinion I, meshing with the teeth of the rack-bar J, sliding in groove B of the base-block A. The outer end of said rack-bar is secured by pin K between two standards L, raised from one of the sections of a sectional foot M. The rack-bar is also connected with said foot by braces N. Said foot is formed of two sections united by the hinges O and held in alinement by a turn-button O'. The outer section is provided on its under side with teeth P to engage the carpet and on its upper side with knobs Q, by

means of which it may be raised and disengaged from the carpet.

Secured to the base on the rear side of the supporting-block is a socket T, in which one end of section U of an extensible arm is pivoted. The other section, V, of said arm slides on section U, loops W being each secured to one section and sliding on the other section. A set-screw X is provided for securing said sections in the desired relative adjustment. This arm bears against the opposite wall to that toward which the carpet is stretched.

In operation the foot is placed with its teeth in engagement with the carpet and the extensible arm in contact with the opposite wall and the shaft G rotated to move the rack-bar outwardly, which effects the stretching of the carpet, as will be readily understood. For retaining the rack-bar in its outward position and holding the carpet stretched until tacked a bail R is provided, which is pivoted to block A and is adapted to be turned downwardly in engagement with the notches of said rack-bar.

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

A carpet-stretcher comprising a base-plate formed with a groove, a support raised from said plate, a rack-bar sliding in said groove, a pivoted bail mounted upon said base-plate for engaging the teeth of the rack-bar and holding the latter in its adjustment, a shaft mounted on the support and carrying a pinion meshing with the rack-bar and a ratchet-wheel, and provided with a crank-handle, a dog pivoted to the base and engaging said ratchet-wheel, a sectional foot having the sections thereof hinged together, the rack-bar being attached to the rear section, projections or teeth carried by the under side of the forward section, a turn-button for holding said sections in alinement, and an extensible arm carried by the rear portion of the base-plate, substantially as described.

PAUL BRIGGS.

Witnesses:

BAKER WHITE,
JOHN SMITH.