May 29, 1923. 1,457,117

S. LONDON ET AL

AUTO CREEPER

Filed Aug. 10, 1920

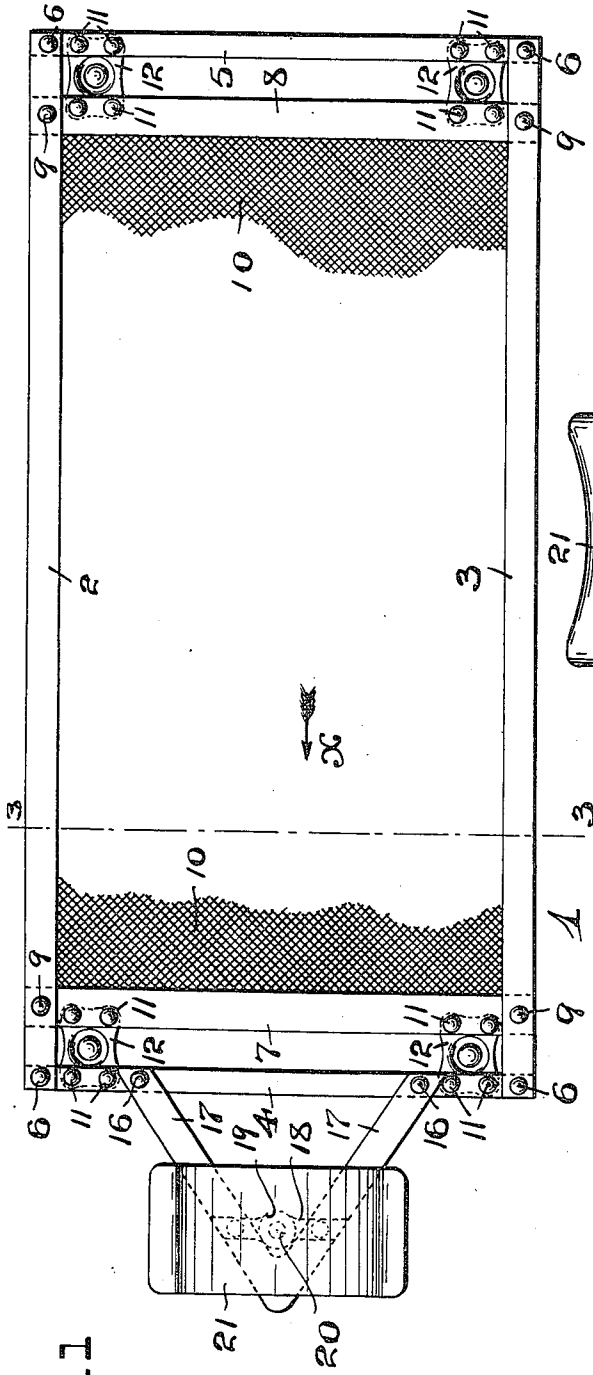


Fig. 1

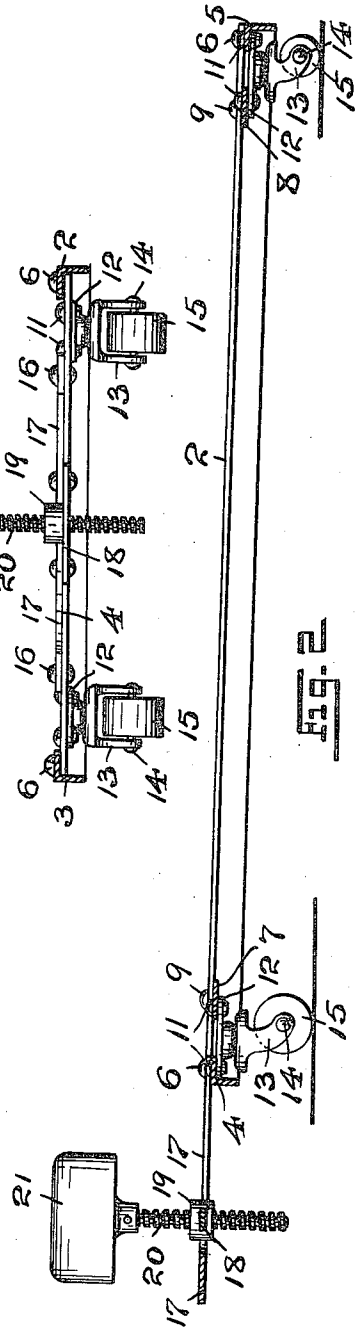


Fig. 2

Fig. 3

INVENTORS:
Samuel London and
Louis Weber,
BY Fraenkel and Richards,
ATTORNEYS.

Patented May 29, 1923. 1,457,117

UNITED STATES PATENT OFFICE.

SAMUEL LONDON AND LOUIS WEBER, OF NEWARK, NEW JERSEY.

AUTO CREEPER.

Application filed August 10, 1920. Serial No. 402,595.

To all whom it may concern:

Be it known that we, SAMUEL LONDON and LOUIS WEBER, citizens of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Auto Creepers; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to characters of reference marked thereon, which form a part of this specification.

This invention has reference, generally, to improvements in supporting devices, such as are used with vehicles, as automobiles, when working beneath the vehicle; and, the present invention relates, more particularly, to a novel and simply-constructed creeper, provided with an adjustably disposed head-rest, all arranged for supporting the body, the workman lying upon his back upon the main supporting element or member of the device, with his head resting comfortably upon the adjustable head-rest.

The present invention, therefore, has for its principal object to provide a novel and simply constructed creeper of the general character hereinafter more particularly set forth, and in the provision, in connection with the body-support, of an adjustably disposed head-rest.

Other objects of the present invention not at this time more particularly enumerated will be clearly understood from the following detailed description of the present invention.

With the various objects in view, the said invention consists, primarily, in the novel creeper hereinafter more fully set forth; and, the invention consists, furthermore, in the novel arrangements and combinations of the various devices and parts, as well as in the details of the construction of the said parts, all of which will be more fully described in the following specification, and then finally embodied in the clauses of the claims which are appended to and which form an essential part of the said specification.

The invention is clearly illustrated in the accompanying drawings, in which:—

Figure 1 is a plan view of the novel creeper, comprising a combined body-rest and adjustable head-rest, showing one embodiment of the principles of the present invention; Figure 2 is a central longitudinal vertical section of the creeper, with the adjustable head-rest represented in elevation; and Figure 3 is a transverse vertical section of the creeper, said section being taken on line 3—3 in said Figure 1, looking in the direction of the arrow X.

Similar characters of reference are employed in the said above described views, to indicate corresponding parts.

Referring now to the said drawings, the reference-character 1 indicates the complete creeper, the same comprising a main frame consisting of the longitudinally extending side-bars 2 and 3, and the laterally extending end-bars 4 and 5, said side-bars and end-bars being suitably secured together, so as to provide a rectangular frame, by means of rivets or bolts 6, although it will be evident that the said frame may be otherwise produced. Other laterally extending bars, as 7 and 8, are respectively located near the said end-bars 4 and 5, said bars 7 and 8 being secured at their ends to the said side-bars 2 and 3 by means of rivets or bolts 9, or in any other suitable manner.

Suitably attached to the said side-bars 2 and 3 and the said bars 7 and 8 is a wire-fabric, as 10, for the support of the body of the workman, as will be evident. At or near the four corners of the frame-work thus provided, preferably by being secured to the under surfaces of the said end-bars 4 and 5 and the laterally extending bars 7 and 8, by means of rivets or bolts 11, or in any other suitable manner, are castor-plates 12, with which are rotatably connected the horns 13 provided with pintles 14 upon which are suitably mounted the rollers 15. That the movable back-rest or body-support thus provided may be higher at one end, near the head-rest to be presently described, than at the other end, so as to provide greater comfort while working, the one set of castors near the said head-rest end of the frame-work, are larger than the castors at the other end, so that the creeper will have an inclined relation to the surface upon which it is placed and is adapted to move, as will be clearly evident from an inspection of Figure 2 of the drawings.

Connected with the end-bar 4, by means of rivets or bolts 16, or in any other suitable manner, and extending outwardly from said

end-bar 4, is a triangularly or other suitably formed bracket 17, carrying a cross-bar 18 having an internally screw-threaded hub or boss 19. Adjustably disposed in said hub or boss is a screw-threaded post 20, carrying upon its upper end-portion a suitably shaped head-rest, as 21. The purpose of this adjustably disposed head-rest will be clearly evident from an inspection of the several figures of the drawings, and the operation of and the manner of using the creeper beneath an automobile, when working thereon, being well known, any further description of the same is therefore deemed unnecessary.

Of course we are aware that some changes may be made in the general arrangements and combinations of the various devices and parts, as well as in the details of the construction of the said parts, without departing from the scope of the present invention as set forth in the foregoing specification, and as defined in the clauses of the claims which are appended thereto. Hence, we do not limit our invention to the exact arrangements and combinations of the several devices and parts, as described in the foregoing specification, nor do we confine ourselves to the exact details of the construction of the said parts, as illustrated in the accompanying drawings.

We claim:—

1. A creeper comprising a frame-work consisting of longitudinally extending side-bars, laterally extending end-bars, and intermediately placed and laterally extending auxiliary bars, a body-supporting medium attached to and carried by said longitudinally extending side-bars and said laterally extending auxiliary bars, and a pair of rollers secured to the lower surface of each end-bar and its adjacent auxiliary bar, one set of rollers being larger than the other set of rollers, so as to provide an inclined body-support.

2. A creeper comprising a frame-work, a resilient body-supporting medium carried by said frame-work, and rollers at the ends of said frame-work, combined with a screw-threaded hub, a screw-threaded post carried by said hub, and a head-rest mounted upon the end of said post, said post and head-rest being capable of being raised or lowered for adjustment to the head of a person lying upon said body-supporting medium without removal of the body therefrom.

3. A creeper comprising a frame-work, a body-supporting medium carried by said frame-work, and rollers at the ends of said frame-work, one set of rollers being larger than the other set of rollers, so as to provide an inclined body-support, combined with a bracket extending forwardly from the higher end of said frame-work, a screw-threaded hub carried by said bracket, a screw-threaded post carried by said hub, and a head-rest mounted upon the end of said post.

4. A creeper comprising a frame-work consisting of longitudinally extending side-bars, laterally extending end-bars, and intermediately placed and laterally extending auxiliary bars, a body-supporting medium attached to and carried by said longitudinally extending side-bars and said laterally extending auxiliary bars, and a pair of rollers secured to the lower surface of each end-bar and its adjacent auxiliary bar, one set of rollers being larger than the other set of rollers, so as to provide an inclined body-support, combined with a bracket extending forwardly from the end-bar at the higher end of said frame-work, and an adjustable head-rest carried by said bracket.

In testimony, that we claim the invention set forth above we have hereunto set our hand this 6th day of August, 1920.

SAMUEL LONDON.
LOUIS WEBER.

Witnesses:
FREDK. C. FRAENTZEL,
BARBARA SUTTERLIN.