

No. 705,416.

Patented July 22, 1902.

J. H. & G. P. MARTIN.  
BRICK HANDLER.

(Application filed Nov. 18, 1901.)

(No Model.)

Fig. 1.

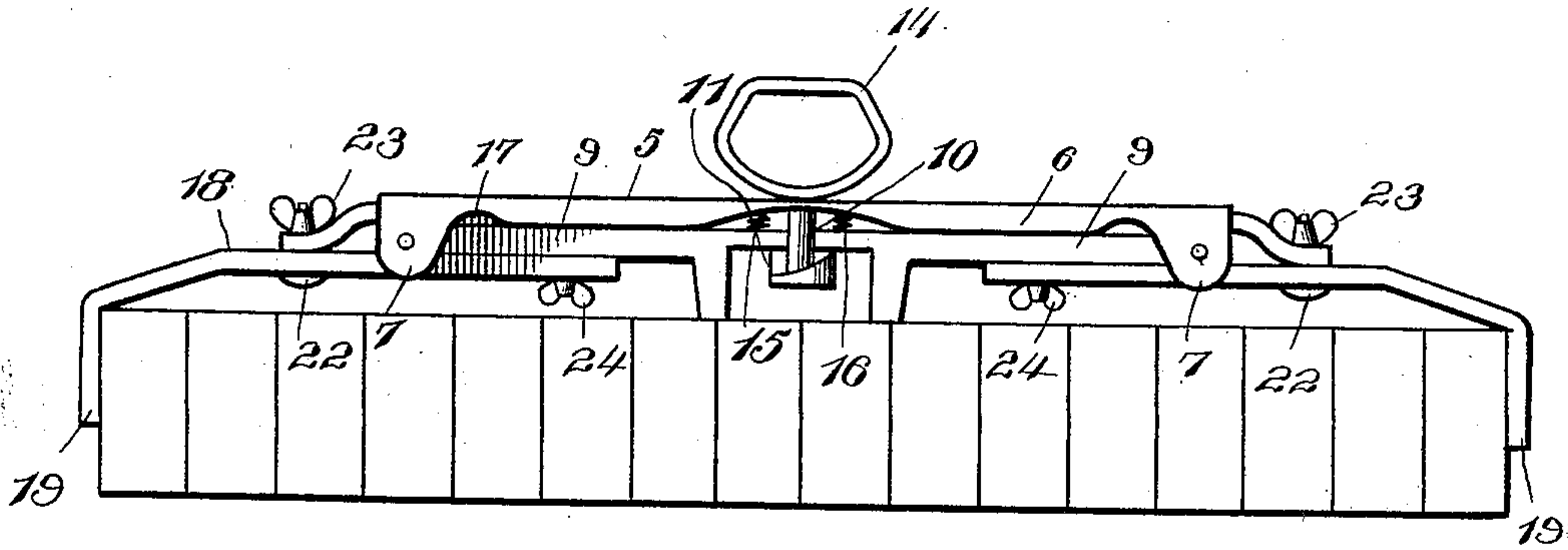


Fig. 2.

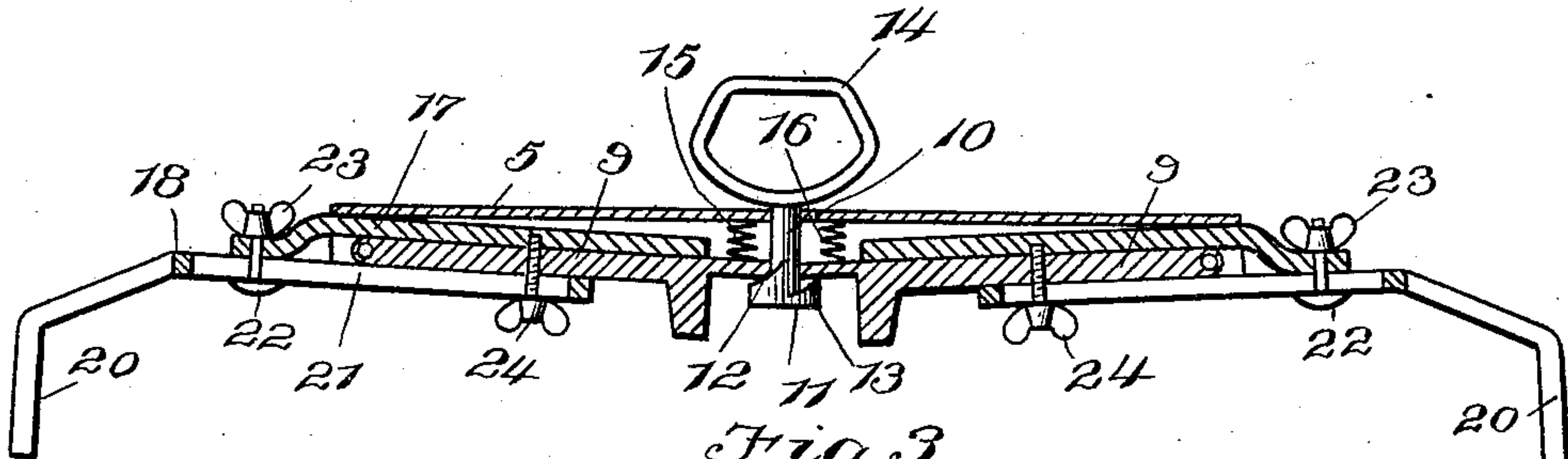
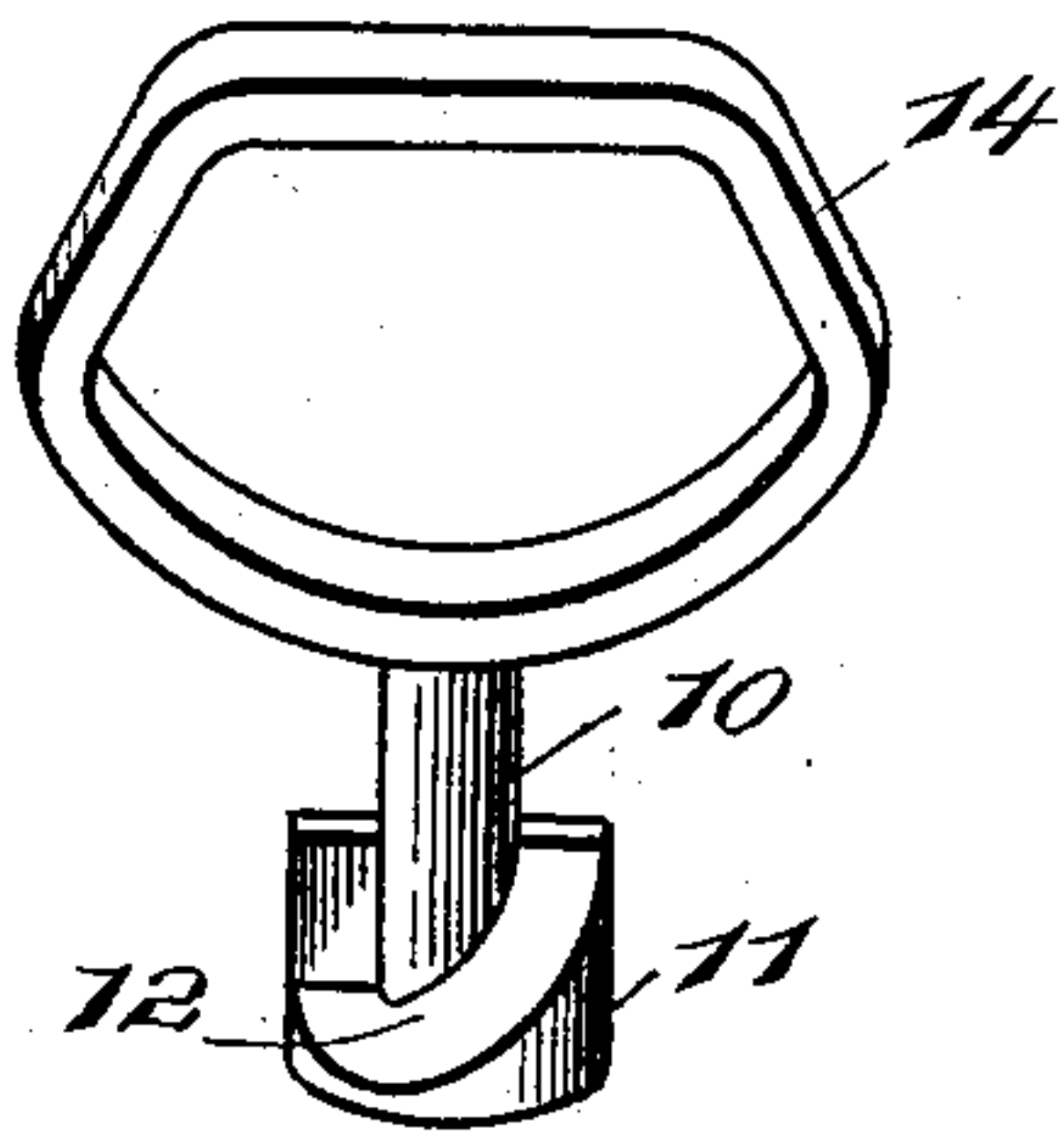


Fig. 3.



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# UNITED STATES PATENT OFFICE.

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## BRICK-HANDLER.

SPECIFICATION forming part of Letters Patent No. 705,416, dated July 22, 1902.

Application filed November 16, 1901. Serial No. 82,608. (No model.)

*To all whom it may concern:*

Be it known that we, JULIUS H. MARTIN and GEORGE P. MARTIN, citizens of the United States of America, residing at David City, in the county of Butler and State of Nebraska, have invented a certain new and useful implement called a "Unique Brick-Handler;" and we do 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 the figures of reference marked thereon, which form a part of this specification.

This invention relates to brick-handlers; and it has for its object to provide a device of this nature which may be employed for lifting and transporting a number of bricks simultaneously, a further object of the invention being to provide a construction which may be quickly engaged with and disengaged from the bricks and which, moreover, may be easily and quickly adjusted to receive different numbers of bricks. Other objects and advantages of the invention will be understood from the following description.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a side elevation showing the device engaged with bricks. Fig. 2 is a central vertical section taken longitudinally thereof and showing it disengaged from the bricks. Fig. 3 is a detail perspective view of the locking-cam.

Referring now to the drawings, the present brick-handler consists of the top plate 5 in the form of a channel-iron having the depending flanges 6 at the sides thereof and having also the depending ears 7 at the ends of the sides and which have greater extensions than the flanges.

Between the ears 7 at each end of the plate 5 is pivoted the outer end of a latch 9, which is spaced downwardly from the roof of the channel of the plate 5 and which latches are spaced slightly apart at their inner ends to permit the passage of a short shaft 10 therebetween. The shaft 10 is passed upwardly through the plate 5, in which it has a bearing, and at its lower end is the head 11, hav-

ing the two inclined or cam faces 12 and 13 at its upper end upon which rest the inner ends of the latches, so that when the shaft 10 is rotated in one direction the inner ends of the latches will be raised, and when it is rotated in an opposite direction the latches will be permitted to drop at their inner ends. To rotate the shaft 10, the handle 14 is fixed to the upper end thereof and in resting upon the upper face of the plate 5 prevents downward movement of the shaft through the plate. The inner ends of the latches are urged downwardly by the small helical springs 15 and 16, disposed between the upper faces of the inner ends thereof and the roof of the channel of the plate 5.

Between each latch 9 and the roof of the channel-plate is disposed a plate 17, which projects beyond the end of the plate 5, and this projecting end is bent downwardly to lie upon the stem 18 of a gripping-jaw which is bifurcated to form the spaced downwardly-projecting fingers 19 and 20. The downwardly-bent end of each plate 17 is perforated, and in the jaw-stem is a slot 21, through which is passed upwardly a bolt 22, which passes also through the perforation and has a thumb-nut 23, engaged with the upper end thereof, so that the parts are adjustably connected. Passed also through the slot of each jaw-stem, which rests against the under side of the corresponding latch 9, is a thumb-screw 24, engaged with said latch, so that by manipulation of the thumb nuts and screws the jaws may be moved toward or away from each other and then clamped firmly in their adjusted positions, and as the jaws are held to the latches when clamped when the latches are moved pivotally by the cams the depending fingers are swung toward each other.

In the use of this device the jaws are adjusted such a distance apart as to receive the desired number of bricks disposed one against another, and the handle being then turned to permit the ends of the latches to drop and the fingers to move apart the device is engaged over the bricks, after which the handle is rotated a sufficient distance to bring the fingers together against the bricks and clamp them firmly against the bricks. By grasping the handle the device may be then raised, and therewith the bricks, and transported as de-



sired. By reversely rotating the handle the fingers may be then released from the bricks.

It will be understood that in practice modifications of the specific construction shown  
5 may be made and that any suitable materials and proportions may be used for the various parts without departing from the spirit of the invention.

What is claimed is—

10 1. A brick-handler comprising a main plate having depending ears at each end thereof, a member pivoted between the ears at each end of the plate and having their inner ends disposed mutually adjacent, a cam mechanism  
15 for moving the members pivotally, and jaws adjustably connected with the members for movement with respect thereto toward and away from each other depending from the members in the plane of pivotal movement  
20 thereof for movement therewith toward and away from each other as the members are correspondingly moved pivotally.

2. A brick-handler comprising a plate having spaced depending ears at each end thereof, latches pivoted between the ears and having their inner ends mutually adjacent, a shaft

passed through the plate and having a head provided with cam-faces against which the inner ends of the latches rest for movement thereby when the shaft is rotated, jaws having stems adjustably connected against the under sides of the latches, and plates disposed between the latches and the first-named plate and having their outer ends adjustably connected with the corresponding jaw-stems. 30 35

3. A brick-handler comprising a main plate, separate members pivoted to the main plate for movement in a common plane, said members having depending jaws at their outer ends projecting in the plane of pivotal movement of the members, and a cam mechanism mounted upon the main plate and operatively connected with the members for moving them pivotally. 40

In testimony whereof we affix our signatures in presence of two witnesses. 45

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Witnesses:

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