

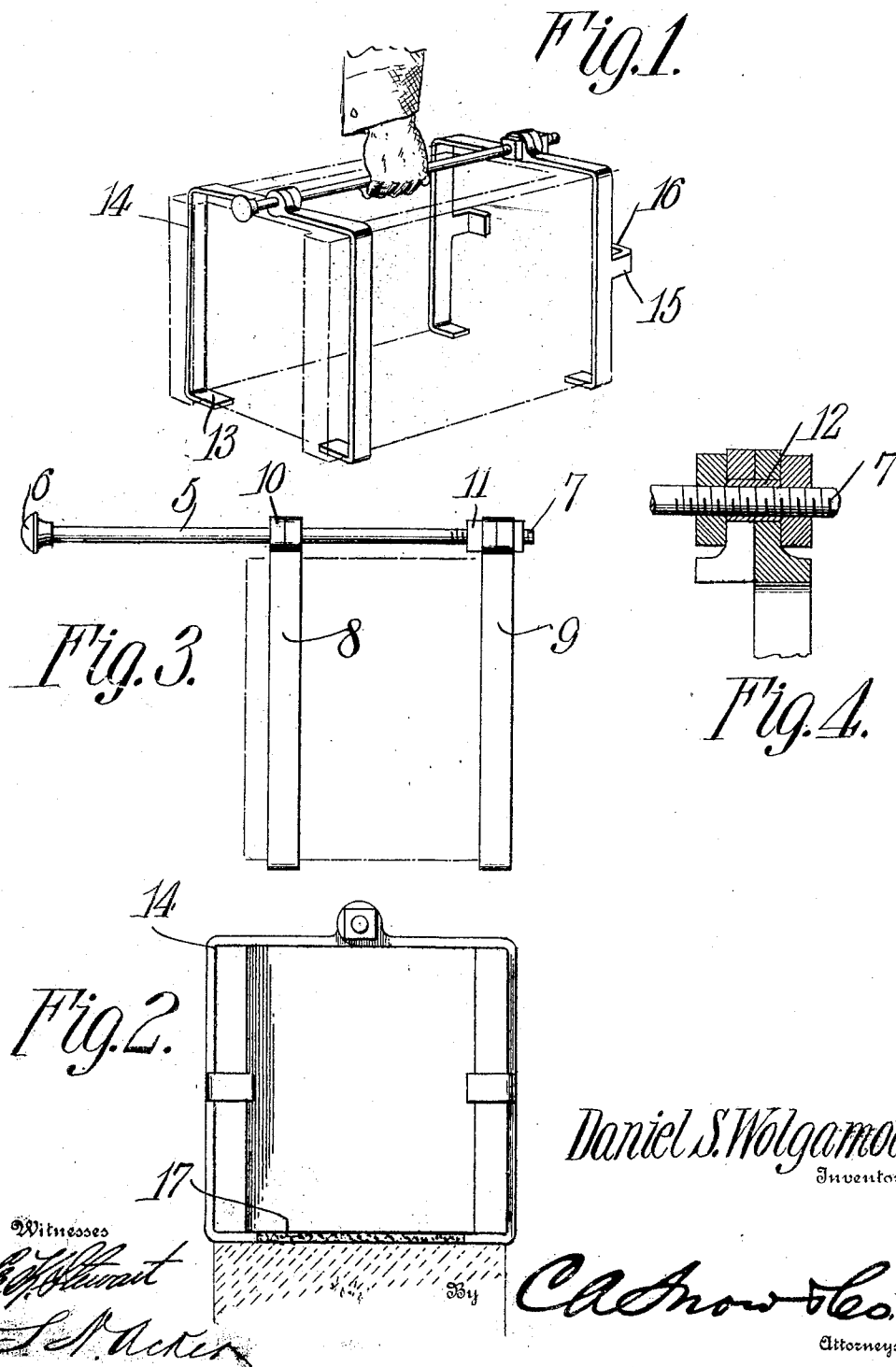
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D. S. WOLGAMOTT.

DEVICE FOR CARRYING AND SETTING CONCRETE BLOCKS.

APPLICATION FILED SEPT. 4, 1907.



UNITED STATES PATENT OFFICE.

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DEVICE FOR CARRYING AND SETTING CONCRETE BLOCKS.

No. 884,434.

Specification of Letters Patent.

Patented April 14, 1908

Application filed September 4, 1907. Serial No. 391,314.

To all whom it may concern:

Be it known that I, DANIEL S. WOLGAMOTT, a citizen of the United States, residing at Millersburg, in the county of Holmes and State of Ohio, have invented a new and useful Device for Carrying and Setting Concrete Blocks, of which the following is a specification.

This invention relates to devices for transporting bricks or blocks and laying the same into a wall.

The object of the invention is to provide a lifter or carrier including a supporting rod having spaced gripping jaws pivotally mounted for lateral movement thereon and adapted to engage the bricks or blocks to be transported, said jaws being adjustable longitudinally of the rod thereby to accommodate either whole or half blocks.

A further object is to form the terminals of the gripping jaws with laterally extending fingers for spacing the bricks or blocks forming one course in the wall from the blocks in the adjacent course thereby to prevent the blocks in the upper course from squeezing out the mortar and settling too low.

A still further object of the invention is to generally improve this class of devices so as to increase their utility, durability and efficiency.

Further objects and advantages will appear in the following description, it being understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings forming a part of this specification: Figure 1 is a perspective view of a block lifting and carrying device constructed in accordance with my invention. Fig. 2 is an end elevation showing the manner of positioning the blocks on the wall. Fig. 3 is a side elevation showing the relatively movable gripping jaws adjusted to accommodate half bricks or blocks. Fig. 4 is a longitudinal sectional view of the threaded end of the supporting member or rod and its associated parts.

Similar numerals of reference indicate corresponding parts in all of the figures of the drawings.

The improved lifting and carrying device forming the subject matter of the present invention includes a supporting member 5 preferably in the form of a rod one end of which is provided with a terminal knob 6

while the opposite end thereof is threaded, as indicated at 7.

Pivotally mounted for lateral movement on the supporting member or rod 5 are a plurality of sets of gripping jaws 8 and 9 each having its pivoted end provided with an enlargement 10 having an opening formed therein for the reception of the rod 5.

The jaws 8 are slidably mounted on the rod 5 so as to accommodate either whole or half blocks, while the jaws 9 are relatively stationary and are clamped in position on the rod by means of nuts 11.

Surrounding the threaded portion of the rod is a sleeve or collar 12 which forms a bearing for the relatively stationary gripping jaws 9 so as to prevent the same from mutilating the threads on the rod when said jaws are moved laterally to operative or inoperative position.

The terminals of the jaws 8 and 9 are provided with inwardly extending projecting fingers 13 which extend beneath the block 14.

The fingers 13 not only serve to grip blocks when transporting the same from place to place but also serve to space the blocks in one course of the wall from the blocks in a succeeding course when laying said blocks into a wall, as best shown in Fig. 2 of the drawings.

Extending laterally from the relatively stationary gripping jaws 9 are intermediate arms 15 also provided with angularly disposed fingers 16 which bear against the adjacent blocks in the same course and serve to space said blocks laterally from each other.

It will thus be seen that the fingers 13 and 16 serve to support the blocks in spaced relation to each other so as to prevent said blocks from squeezing out the mortar between the blocks and settling too low before the mortar 17 has set.

In operation the relatively movable jaws 8 are adjusted longitudinally on the rod 5 and both sets of jaws moved into engagement with the adjacent side walls of the block with the terminal fingers 13 extending beneath the bottom of said block, as best shown in Fig. 1 of the drawing. The operator then grips the rod 5 and carries the block to a wall, partition or other structure being erected. The lower course of blocks having been placed in position on the wall, said blocks are covered with a layer of cement or mortar in the usual manner after which the carrier containing the block 14 is placed in position

on the lower course in the wall with the fingers 13 interposed between the upper and lower blocks, and with the fingers 16 bearing against the adjacent block in the same course. The carrier is left in position on the block until the mortar between the upper and lower courses has set after which the jaws are swung laterally to open position which disengages the fingers from the base of the block so as to permit the carrier to be readily detached and used for transporting another block. After the carrier has been detached from the block the spaces formed between the blocks by the fingers 13 and 16 may be filled in with mortar and the wall pointed up in the usual manner.

In order to transport quarter, half or three-quarter length blocks, it is merely necessary to move the relatively movable jaws 8 longitudinally of the supporting rod or bar 5, as best shown in Fig. 3 of the drawings.

From the foregoing description it will be seen that there is provided an extremely simple, inexpensive and efficient device admirably adapted for the attainment of the ends in view.

Having thus described the invention what is claimed is:

1. A carrier for concrete blocks including a supporting member, and a plurality of sets of gripping jaws pivotally mounted for lateral movement on the supporting member and provided with fingers adapted to engage the base of the block, the gripping jaws of one set being provided with intermediate fingers for engagement with the adjacent end of the block.

2. A carrier for concrete blocks including a supporting member, and a plurality of sets of relatively stationary and movable gripping jaws pivotally mounted for lateral movement on the supporting member and provided with fingers adapted to engage the base of the block, the intermediate portions of one set of gripping jaws being provided with similar

fingers for engagement with the adjacent end of the block.

3. A carrier for concrete blocks including a rod having a threaded portion, a sleeve engaging the threaded portion of the rod, longitudinally adjustable gripping jaws slidably mounted on the rod and provided with fingers for engagement with the base of the block, relatively stationary gripping jaws engaging the sleeve and provided with similar fingers, and nuts engaging the threads on the rod and bearing against the stationary gripping jaws.

4. A carrier for concrete blocks including a supporting rod, and a plurality of relatively stationary and movable gripping jaws pivotally mounted for lateral movement on the rod and provided with terminal fingers adapted to grip the base of the block, the pivoted ends of the gripping jaws being provided with enlargements having perforations formed therein for the reception of the rod.

5. A carrier for concrete blocks including a supporting rod having one end thereof provided with a threaded portion and its opposite end provided with an enlarged head, a sleeve engaging the threaded portion of the rod, relatively stationary gripping jaws pivotally mounted for lateral movement on the sleeve, longitudinally adjustable gripping jaws slidably mounted on the rod in spaced relation to the stationary jaws, said gripping jaws being provided with terminal fingers adapted to engage the base of the block, and clamping nuts engaging the threads on the rod and bearing against the stationary gripping jaws.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

DANIEL S. WOLGAMOTT.

Witnesses:

WAYNE L. STILWELL,
JACOB BELL.