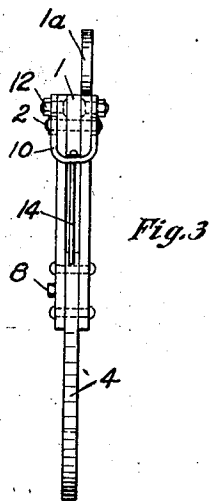
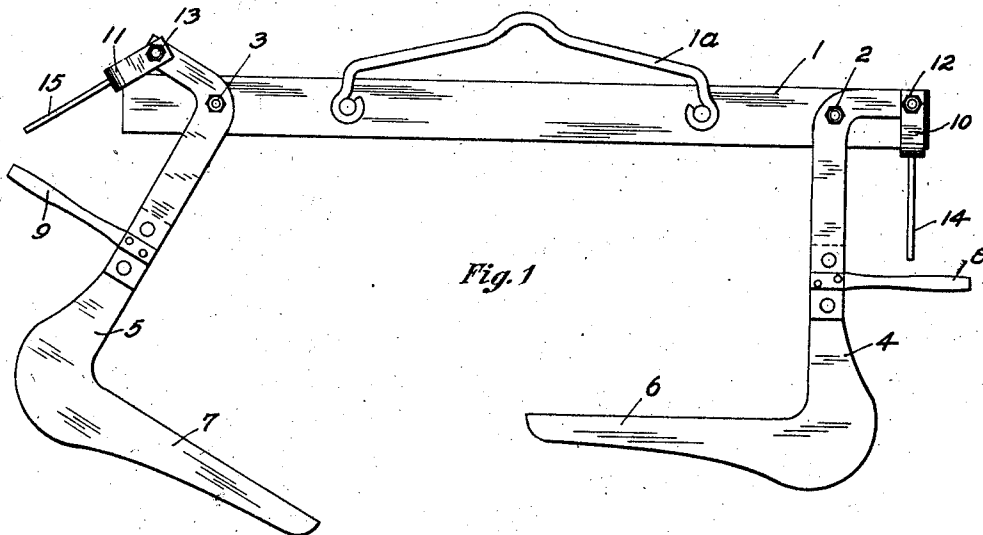


E. AYERS.
TRANSPORTING DEVICE FOR WIRE RODS.
APPLICATION FILED NOV. 4, 1912.

1,058,707.

Patented Apr. 15, 1913.



Witnesses

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ELMER AYERS, OF ASHLAND, KENTUCKY.

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Specification of Letters Patent.

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Application filed November 4, 1912. Serial No. 729,345.

To all whom it may concern:

Be it known that I, ELMER AYERS, a citizen of the United States, residing at Ashland, in the county of Boyd and State of Kentucky, have invented certain new and useful Improvements in Transporting Devices for Wire Rods, of which the following is a specification.

My invention relates to transporting devices for wire rods and more particularly to a structure of device that is adapted to embrace wire rods into rigid gripping engagement during their process of manufacture.

More specifically, it is the practice to dip these rods into different vats containing chemicals that act upon the rods to prepare them for use and this dipping process has been found difficult without resorting to the use of a transporting device of some character.

My invention aims to provide a transporting device that embodies the features of rigidity and absolute sureness of operation, coupled with comparative structural simplicity. In the main, I have provided a rigid main beam member to which are pivotally connected, embracing hook members adapted for gripping the wire rods. I have also provided a latch member for rigidly locking the gripping members in operative position after they have once been placed in the proper gripping relation with the wire rods, and this latch member preferably takes the form of an embracing member pivotally mounted upon the gripping members and engaging with the under surface of the main beam.

The preferred embodiment of my invention is shown in the accompanying drawings, in which similar characters of reference designate corresponding parts, and in which:

Figure 1 is a side elevation of my transporting device showing one of the gripping members locked in its operative position and the other shown as being released. Fig. 2 is a plan view of the structure shown in Fig. 1, and Fig. 3 is an end view of the structure shown in Fig. 1.

In the drawings, I have shown a main supporting beam 1 provided with a connecting device 1^a for the ready attachment of a rope or chain, which would be preferably operated by a crane disposed above the vats

into which the rods are to be dipped. Pivotaly supported as at 2 and 3 on the main beam 1, are substantially Z-shaped gripping members 4 and 5 having their embracing legs 6 and 7 in substantial parallelism with the main beam 1 when in operative position. Carried at any desired point upon the gripping members are handle elements 8 and 9 to permit manipulation of the gripping elements without coming into actual contact with their working surfaces. The upper ends of the gripping members are preferably bifurcated to embrace the main beam 1 and their short legs are preferably provided with substantially U-shaped latch elements 10 and 11 pivoted as at 12 and 13 and these latch elements are further provided with operating handles 14 and 15.

It will be noted that the pivotal connections 2 and 3 and 12 and 13 are made detachable by resorting to the use of bolt and nut structures and in this manner, the breaking of any one part will not require the substitution of an entirely new structure. The wire rods are embraced by the pivoted gripping members 4 and 5 and these gripping members are then locked in position by a swinging of the latch elements into the position indicated to the right of Fig. 1, in which the downward pressure caused by the weight of the wire rods upon the lower horizontal arms 6 and 7 tends to cause the short arms to move in an upward direction. This latter movement is resisted by the engagement of the latch elements when in lower vertical position with the under surface of the main beam structure. However, the gripping elements may be readily released by grasping the handles 14 and 15 and moving the latch elements into the positions shown to the left of Fig. 1.

It will thus be noted that I have provided extremely simple means for accomplishing the objects of the invention.

What I claim, is:

1. A wire rod transporting device comprising a main beam, substantially Z-shaped gripping members pivotally supported at opposite ends of said beam, and a latch member pivotally carried by one of the legs of each of said gripping members at a point opposite their pivotal connection and adapted to engage the under surface of said beam when in locked position.

2. A wire rod transporting device com-

prising a main beam, substantially Z-shaped gripping members bifurcated at their upper ends to embrace said beam, pivotal connections between said bifurcated portions and
5 said beam, a latch pivotally carried by each of said members at a point opposite the main pivotal connections and embracing said main beam, said latches being adapted to en-

gage the under surface of said beam when in operative position.

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

ELMER AYERS.

Witnesses:

T. M. ADAMS,

R. C. RICHARDSON.