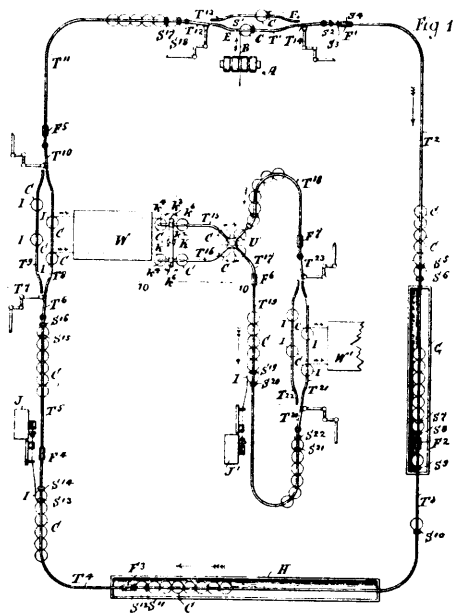


arranged upon said track and extending below the same, means for operating upon said material, and a device arranged adjacent to said



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track for moving the support vertically to the means which are to operate upon the material, substantially as specified. 2nd. In an apparatus for conveying material to different places where it is to be treated, consisting of a track, a support arranged on said track and extending below the same, and carrying the material to be treated, said track being inclined toward the place whither the support is desired to be moved, means for operating upon the material carried by the support, and a device arranged adjacent to said track for moving the support vertically to the means for operating upon said material, and also in order that it may be started onward in its course, substantially as specified. 3rd. An apparatus for moving material to places where it is to be treated, consisting of tracks, a support arranged to travel upon said tracks, upon which the material may be arranged, means for operating on said material, said tracks being inclined for lowering the support to the means, and an elevator located at the inclined end of said tracks for raising said support from the machine to tracks, or directly from some tracks to other tracks, substantially as specified. 4th. An apparatus for conveying material to different points to be treated consisting of tracks, a support for travelling on said tracks and carrying the material and a device adjacent to said tracks for raising said support from one track to another, said device comprising a section of track on which said supports might travel, substantially as described. 5th. In an apparatus for moving wire to places where it is to be treated, the combination of reels, trolleys with which said reels have a swivel connection, tracks along which said trolleys may be caused to travel, elevators for lowering and raising said trolleys and reels intermediate of different tracks, substantially as specified. 6th. In an apparatus for moving wire to places where it is to be treated, the combination of reels, trolleys with which said reels have a swivel connection, a track along which said trolleys may be caused to travel, and rotary supports with which said reels at their lower ends may be engaged, substantially as specified. 7th. In an apparatus for moving wire to places where it is to be treated, the combination of reels, trolleys with which said reels have a swivel connection, a track along which said trolleys may be caused to travel, and rotary supports with which said reels at their lower ends may be engaged, said rotary supports having a number of pins for taking the strain of the wire first wound upon the reel, substantially as specified. 9th. In an apparatus for moving wire to places where it is to be treated, the combination of supports for the wire, a track along which said supports may travel, and a tank into which the wire will be carried when the said supports travel along the said track, substantially as specified. 10th. In an apparatus for moving wire to places where it is to be treated, the combination of supports for the wire, a main track along which said supports may travel, a switch at one end of said track, and duplicate or storage tracks, into line with

either of said switch may be set for the purpose of establishing communication between it and the main track, substantially as specified. 11th. In an apparatus for moving wire to places where it is to be treated, the combination of reels for the wire, trolleys with which said reels have a swivel connection, a track along which said trolleys may be caused to travel, and a wire drawing machine arranged adjacent to a part of said track so that it may take wire from the reels while the trolleys supporting such reels are upon said track, substantially as specified. 12th. In an apparatus for moving wire to places where it is to be treated, the combination of reels for the wire, trolleys with which said reels have a swivel connection, a track along which said trolleys may be caused to travel, a stop on said track for arresting one of the trolleys and its reel, and a machine arranged adjacent to said stop and track for taking the wire from a reel and threading it through dies, substantially as specified. 13th. In an apparatus for moving wire to places where it is to be treated, the combination of supports for the wire, a track along which said supports may be caused to travel, stops, and means whereby the stops are connected in such a manner that when one is raised another will be depressed, so that one of a number of trolleys may be allowed to pass at a time along the track, substantially as specified. 14th. In an apparatus for moving wire to places where it is to be treated, the combination of supports for the wire, a track along which said supports may be caused to travel, stops S^2 , S^3 , a lever s^2 , a spring s^{10} , and an elevator F^1 , substantially as specified. 15th. In an apparatus for moving wire to places where it is to be treated, the combination of supports for the wire, a track along which said supports may be caused to travel, stops s^2 , s^3 , and a lever s^2 having a yielding nose piece s^4 , s^5 , substantially as specified. 16th. In an apparatus for moving wire to places where it is to be treated, the combination of supports for the wire, tracks along which said supports may be caused to travel, and a turntable, as U, to enable said supports to be transferred from one track to another, substantially as specified. 17th. In an apparatus for moving wire to places where it is to be treated, the combination of supports for the wire, tracks along which said supports may be caused to travel, and a combined elevator and turntable consisting of a main bar and two cross bars for sustaining the said supports, substantially as specified. 19th. In an apparatus for moving wire to places where it is to be treated, the combination of supports for the wire, a track along which said supports may be caused to travel, an elevator having a carriage or part normally in alignment with said track, and comprising hoisting mechanism consisting of a rotary shaft, a loosely mounted windlass and a clutch, and means whereby the windlass will be clutched to the shaft whenever the said carriage or part of the elevator receives one of the said supports for material to be treated, substantially as specified. 20th. In an apparatus for moving wire to places where it is to be treated, the combination of supports for the wire, a track along which said supports may travel, an elevator having a carriage or part normally sustained in a yielding manner in alignment with said track, and comprising hoisting mechanism consisting of a rotary shaft, a loosely mounted windlass and a clutch, and means whereby the windlass will be clutched to the shaft whenever the said carriage or part of the elevator receives one of the said supports for material to be treated, substantially as specified. 21st. In an apparatus for moving wire to places where it is to be treated, the combination of supports for the wire, a track along which said supports may travel, an elevator having a carriage or part normally sustained in a yielding manner in alignment with said track, and comprising hoisting mechanism consisting of a rotary shaft, a loosely mounted windlass and a clutch, and means whereby the windlass will be clutched to the shaft whenever the said carriage or part of the elevator receives one of the said supports for material to be treated, substantially as specified.

No. 66,847. Wire Drawing Machine.

(Machine pour le laminage du fil de fer.)

The Ansonia Brass and Copper company, assignee of Charles A. Cowles, all of Ansonia, Connecticut, U.S.A., 31st March, 1900; 6 years. (Filed 23rd May, 1899.)

Claim.—1st. In a wire drawing machine, the combination of a die, rotatable drawing block, a drawing roll, means for rotating the said drawing roll, a starting and stopping mechanism for starting the drawing block with a graduated movement, and means for throwing said starting and stopping mechanism into and out of action without stopping the drawing roll, substantially as described. 2nd. In a wire drawing machine, the combination of a die, a drawing block, a driving shaft, a continuously rotating drawing roll operated from said driving shaft, a starting and stopping mechanism between the driving shaft and drawing block for starting the block with a graduated movement, and means for throwing into and out of action said starting and stopping mechanism, without stopping the driving shaft, substantially as described. 3rd. In a wire drawing machine, the combination of a die, a rotatable drawing block, a drawing roll, means for rotating the drawing roll, a friction clutch for starting the block with a graduated movement and means for throwing said clutch into and out of action without stopping the drawing roll,