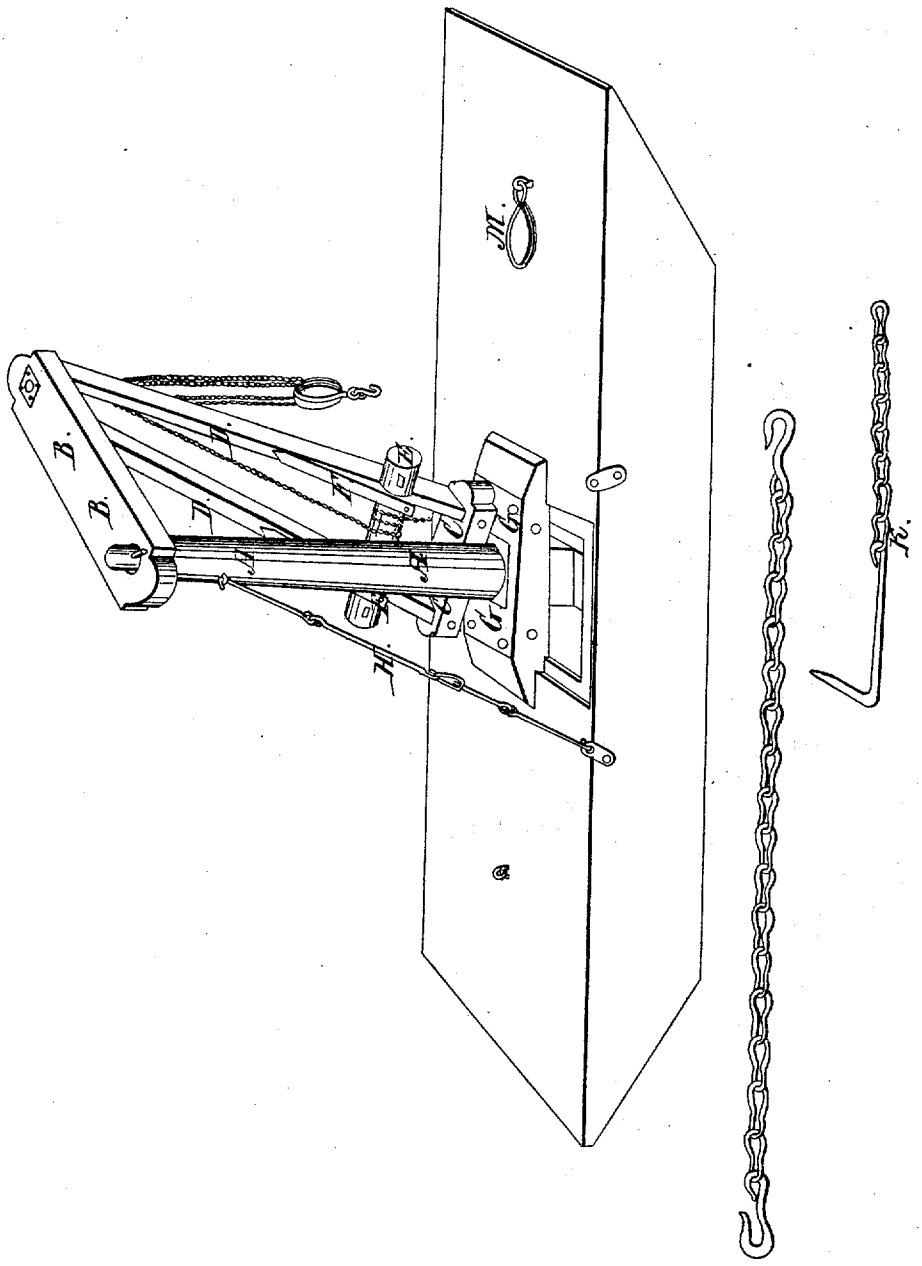
9813X

G. Sherwood,

Derrick.

Patented June 30, 1836.



A.M. PHOTO-LITHO. CO. N.Y. (OSBORNE'S PROCESS)

June 30. 1836

9813X

Gilbert Sherwood of Erie, State of Pennsylvania

Letters Patent.

The schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Gilbert Sherwood himself of his improvement in the Crane

To all to whom these presents shall come,

Be it known that I Gilbert Sherwood of Erie in the County of Erie and State of Pennsylvania, have invented a new and useful improvement in the Crane and that the following is a full and exact description thereof, — 1st A stationary Crane post designated by the letters A. A. in the accompanying draft (entitled "Sherwood's Improved Crane,") resting perpendicularly on a step and secured in position by the partners B. B. This post is about eighteen feet long and fourteen inches in diameter at the partners and ten inches at the top, On the top of the Crane Post is a pivot five inches in diameter and six long 2d A Crane cap marked B. B. in the said draft twelve inches wide and three inches deep and nine feet long with a hole three inches from the one end of the sufficient size to admit the pivot of the Crane Post. The cap is placed horizontally on the Crane post playing freely on the pivot, The opposite end being supported by the brace marked D. D in said draft, — 3d A saddle marked C, C, in said draft three and a half feet long fourteen inches wide by twelve deep resting on the partners and playing round the post of the crane post at right angles to the Crane cap, — 4th two braces marked D. D, in said draft, these braces are three inches thick by six deep and extend one from each end of the saddle to the end of the Crane Cap which they support. They are tenoned into the top of the saddle and bottom of the Crane Cap three inches from the end of each bearing at the

9615X

point of the Crane Cap three inches between the brass.

5th. A windlass marked C. in the same draft three feet long and nine inches in diameter affixed to the side of the brass two feet from their junction with the saddle by caps marked F. in said draft, these caps are about six feet long and of the same thickness with the braces, to which they are fastened by bolts. The Partners G. G. are sixteen inches wide by twelve inches deep and should be rivetted with iron bolts, to prevent splitting. Near the end of the Crane Cap, equally between the ends of the brass is a hook for the purpose of fastening a tackle &c. This hook is secured by an iron plate on the top of the Crane Cap and is of sufficient strength to support several tons weight.

6th. A long hook marked in said draft with the letter H. this is made of a bar of iron one inch square, with a hook one foot long, and chain three feet long with a becket attached to the handle. The improved Crane is designed to be used on board of vessels in raising stone and any other heavy body from the water and in raising and removing timber and stone in building of wharfs &c. The feature and principle by which it may be distinguished from other Cranes is the saddle and the braces, by means of which any amount of power may be applied to move the body suspended from the Crane, horizontally without danger of diminishing the strength of the crane or endangering its breaking, for were the brace should be rivetted in the centre of the saddle, and in addition to the fastness the crane post is further supported by stay chains. The raising weights with the crane tackle is attached to the hook, on the crane cap with the falls fastened to the windlass when the body is raised sufficiently, it is moved horizontally to the place desired on the shore, when this stone is to be raised and placed on the ground by another tackle fixed to some part of the shore. the iron hook is forced under one side of it upon which the

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bracket is stitched to the tracks and the stone raised sufficient
to admit the wrapping chain beneath it

Witness
Gilbert Sharwood
Valentine Fisher
J. Ellis Torrens

Examined