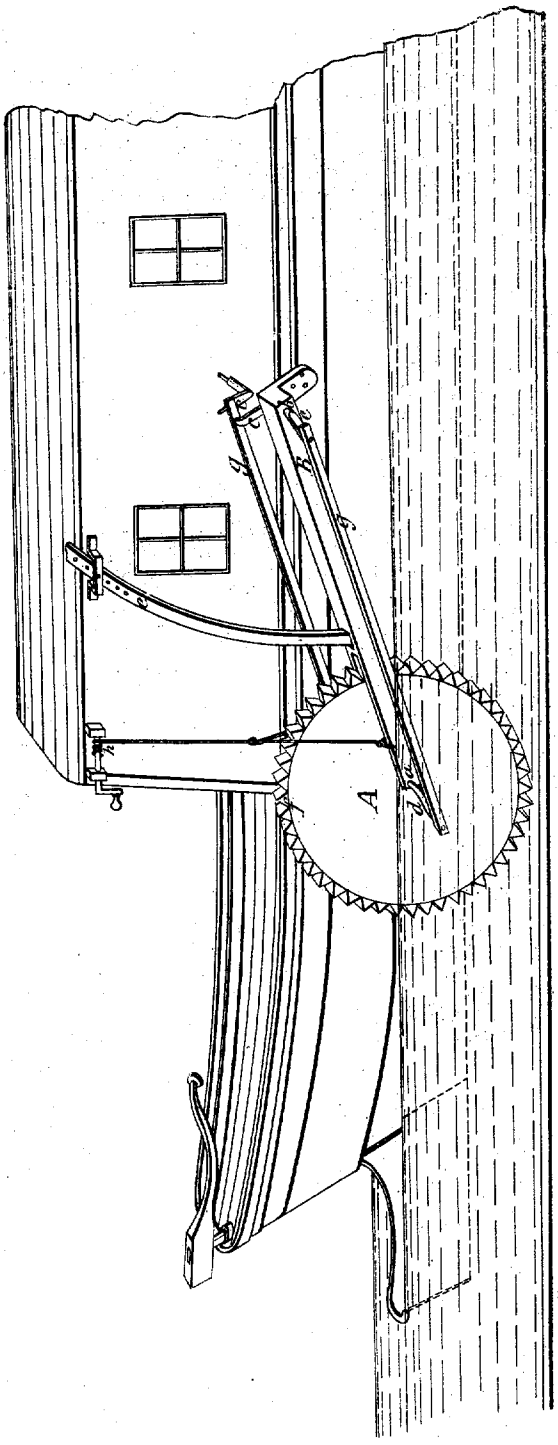
L. Burnell.

8211X

Towing.

Patented May 21, 1834



N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

Levi Burnell 8214.

The schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Levi Burnell himself of his improvement in the Machine for propelling Boats on Canals and Shoal Waters.

To all to Whom these presents Shall Come—Be it known that I Levi Burnell of Elyria in the County of Lorain and State of Ohio have invented a new and useful improvement in a Machine for propelling boats on Canals and Shoal waters and that the following is a full and exact description of the construction and operation of said Machine or invention by me. A an Wheel A. eight or nine feet in diameter, from two to three inches thick formed into notches on the circumference, and if necessary thick with iron, has its axis hung upon bearings B. at the end of a substantial bar B. about sixteen feet long, said bar at the wheel end being so divided as to straddle each side of said wheel. The opposite end of said bar has also a shaft D. passing through it with cranks c. at right angles to opposite sides of said bar, from these cranks to other cranks d. corresponding therewith on opposite sides of the wheel A. just touching rods, so that the revolving of the shaft D. at the end of the bar B. opposite will cause the wheel A to revolve The wheel A. is intended to traverse the channel cutting the water in its path, and of sufficient weight to be loaded so to take hold upon the bottom of the canal and having enough settling freely accommodates the wheel to the bottom, be it ever so uneven. The whole being supported by suitable timbers c. forming a triangle [illegible] sufficient for platform available to canals of any size in shoal water and may be used separately or in combination with [illegible] Witnesses Levi Burnell