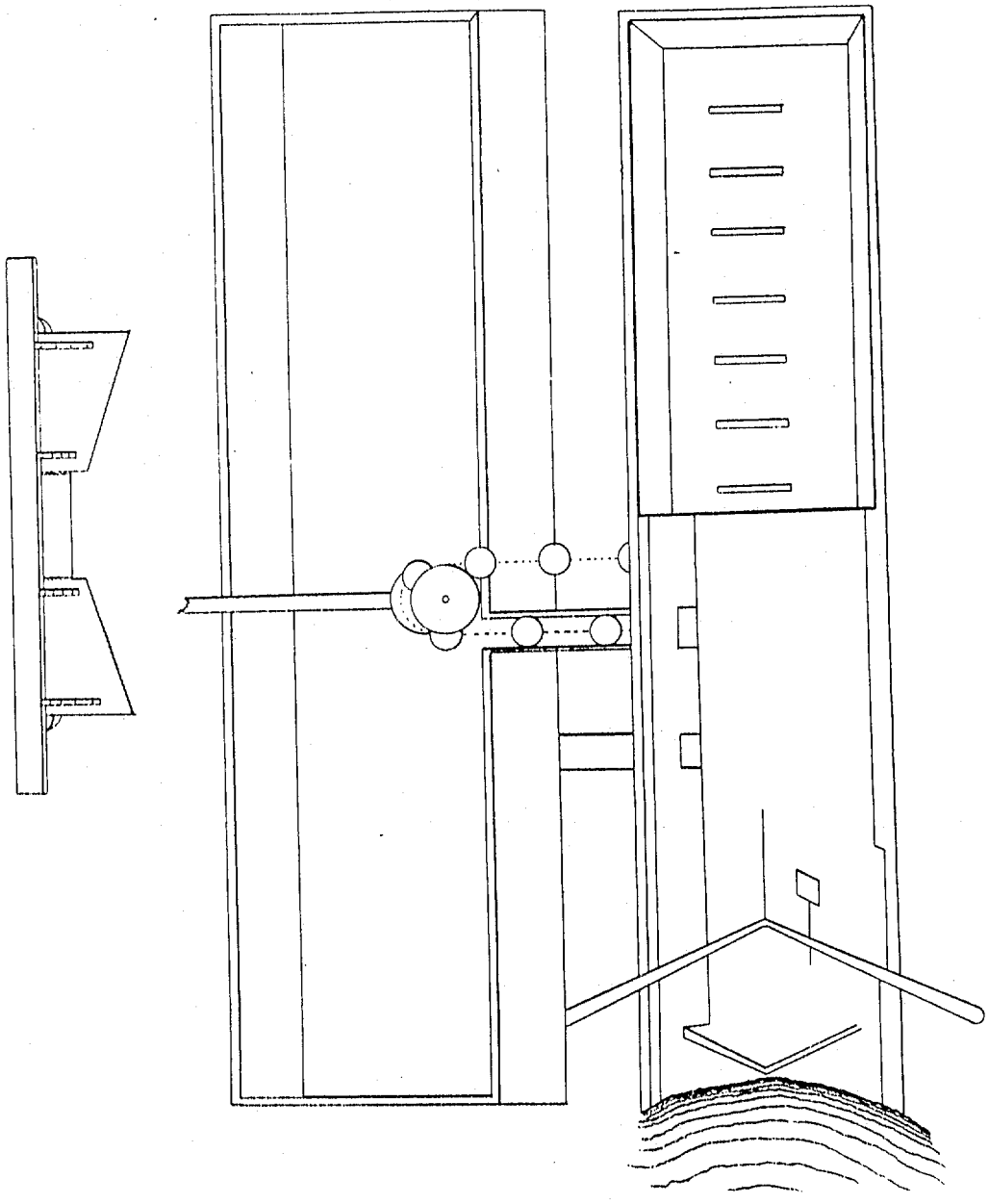
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Houston, Hinman & Ingraham,

Dry Dock,

Patented June 22, 1836



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

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June 12. 1836 401.

Joel Houston Judson Newman and Jonas Ingraham
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 Joel Houston, Judson Newman, and Jonas Ingraham themselves of their improvement is the Dry Dock

To all to whom these presents shall come. Joel Houston Judson Newman and Jonas Ingraham of the City of Buffalo, County of Erie and State of New York send greeting.

Be it known that we the said Joel Houston Judson Newman and Jonas Ingraham have invented a new and useful improvement not known or used before in the making of a partly constructed Dry Dock by which a very important advantage is gained over the dry docks or rail ways now in use for repairing vessels, boats or other naval craft. This improvement consists in having a large reservoir placed a convenient distance from the sides of the lock the floor or bottom of which reservoir to be on a level with the top or coping of the sides of the lock, and which reservoir is to be filled by means of a pump from the water below or on the floor of the lock. From the side of said reservoir is a conductor or penstock, leading the water from the reservoir into the lock, to raise the vessel high enough to float the same on the cradle, after the vessel shall have been brought on the centre of the cradle. The cradle is composed of a centre stationary block and side blocks which are movable with a hand windlass on the outer ends of each side block to operate on cog teeth. The flood gates are then to be hauled which draws the water from the cradle and leaves the vessel and cradle dry. While the vessel is repairing the reservoir is to be filled again after the vessel is repaired. The gates are to be closed and the lock is to be filled by taking the water from the reservoir by means of the penstock as before.

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fore sufficient to float the vessel from the cradle into the locks when by hoisting the flood gate, the vessel comes down, by which time the locks gated are open and the vessel set afloat.

The claim the invention of a certain, hereinafter in the specification of an elevated reservoir, to be filled with water and to be used in raising or letting down vessels, boats or other as an improvement upon the methods of raising vessels heretofore used. also the employment of elevated locks by means of a chain, or cable, locks, whereby vessels may be let down a grade. In witness whereof we have hereunto set our subscribed our names this eleventh day of January A.D. 1836.

Witness
Samuel Chapin
Phil. Eaton

Joel Goodson
Asahel Gunnison
Isaac Ingraham

Exd.
H.K.

Dr Adams

473 words