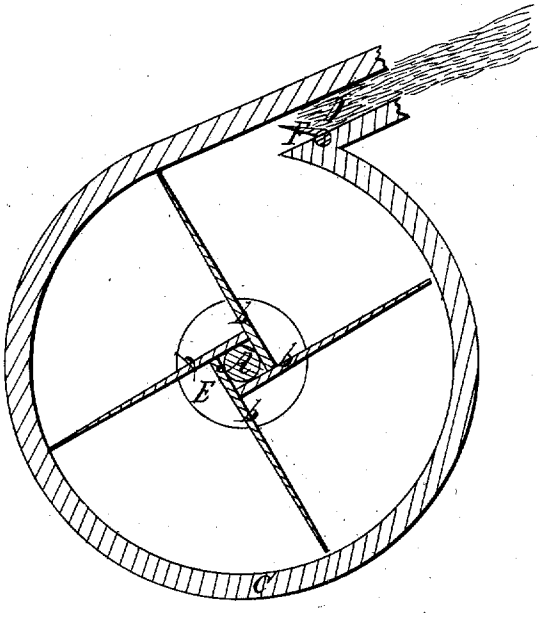
6765X

J. Eastman,

Water Wheel.

Patented Sep. 28, 1831.



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

6765x Oct 28 1831 197.

Joel Eastman. Bath N. Hampshire

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 Eastman himself of his improvement in the Water Wheel and application of Water thereunto.

To all whom it may concern

Be it Known that I Joel Eastman of Bath in the County of Grafton and State of New Hampshire. have invented a new and useful improvement in the construction of the Water Wheel and the application of Water thereunto and that the following is a correct description thereof

To a vertical or horizontal Shaft I attach two or more floats made of wood or iron their stroke proportion being about two feet long and one foot wide making a wheel four feet in diameter and one foot long. This wheel is enclosed in a light curve or case fitting the Wheel closely and making part of the close trunk or penstock extending from the flume into the dead water at the Bottom of the fall. Should the necessary power and motion require it two or more wheels may be attached to the same Shaft each Wheel having its own water conveyed to and from it Separate from the other. For a vertical Shaft there should be a penstock or close trunk extending as high as the opening for the escape of water from the upper wheel and into the water at the bottom of the fall into which penstock the water passes through an opening from each Wheel. each opening being not less than five times as large as that by which the water is admitted to the wheels For a horizontal Shaft there should be an opening at each end of each Wheel for the escape of water. As in the accom-

9/28/1831 6765x

passing Drawing represents a shaft b.b.b.b. the float C the cam or cause one side of which is omitted for the purpose of more clearly explaining the structure. D the aperture through which the water is admitted to the Wheel E a circular opening around the shaft through the side of the race for the escape of the water from the wheel F a Gate or Valve. — What I claim as my invention is a water Wheel constructed in the manner above describ[illegible] being enclosed in a case. the case being connected with and forming part of a light flumetock or flume extending the whole length of the race. and the application of water to the wheel in the manner above explained. however the same may be varied in practice

Witnesses
Elem Carleton Jenn
Charles Abbott

Joel Eastman

Eyd.
1834.