(12) **United States Patent**
Bacon

(10) **Patent No.: X7104**
(45) **Date of Patent: Jun. 4, 1832**

(54) **WATER,WHEEL, HORIZONTAL**

(76) Inventor: **Asahel Bacon**

Asahel Bacon
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 *Asahel Bacon* himself of his improvement in the mode of letting water on horizontal wheels for *Mills*

Be it known that I Asahel Bacon of the town of Windsor, County of Broome and State of New York have made an improvement in the mode of letting water on horizontal wheels for Mills which is described as follows.

The flume or penstock is made of a square or oblong form it has one opening at each end for letting the water on and two at each end for letting it off. When used for a side Mill the water is admitted by raising a flood gate at either end. it then descends through two openings made in the deck or cover of the flume into sluices or throats and strikes the buckets of the Wheels at both ends of the flume at the same time thus turning it with a double effect. By hoisting the gates at the end the water passes off thro' proper channels or races. the water from one opening passing round with the wheel about a semicircle returns in a channel near the side of the flume & passes off at the end. When used for a stream or current the water is admitted through one floodgate only and operates the same as the side Mill in turning the wheel. The invention here claimed and desired to be secured by Letters Patent is the before described method of letting the water on Horizontal Wheels for Mills. For a further illustration of my invention Sufer to the drawing and model of the same deposited in the Patent Office. In testimony whereof I have hereunto subscribed my name this 31st day of May 1832

Witnesses *Asahel Bacon*

William P. Elliot

William G. Crouch

Ex?
A.J.N.

375 acres

Assigned