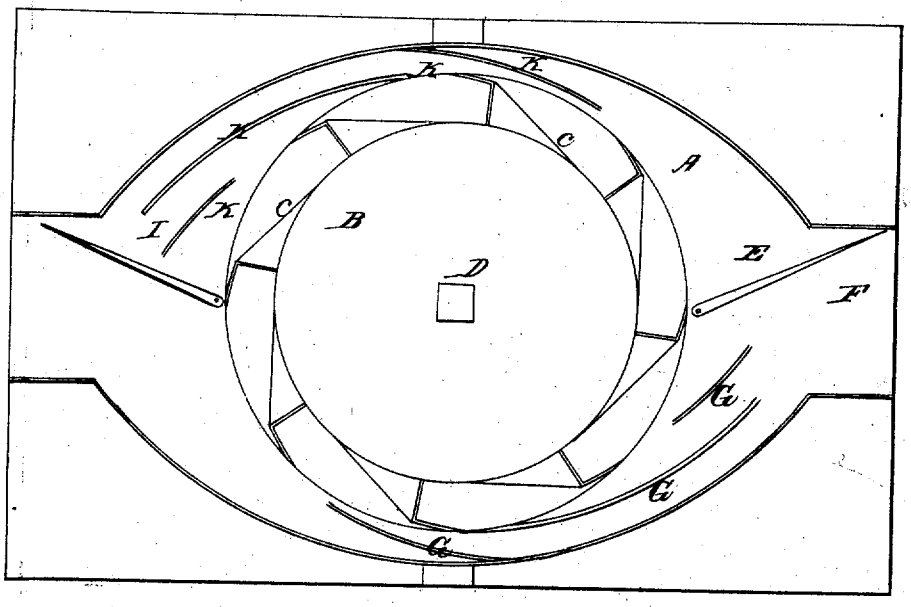
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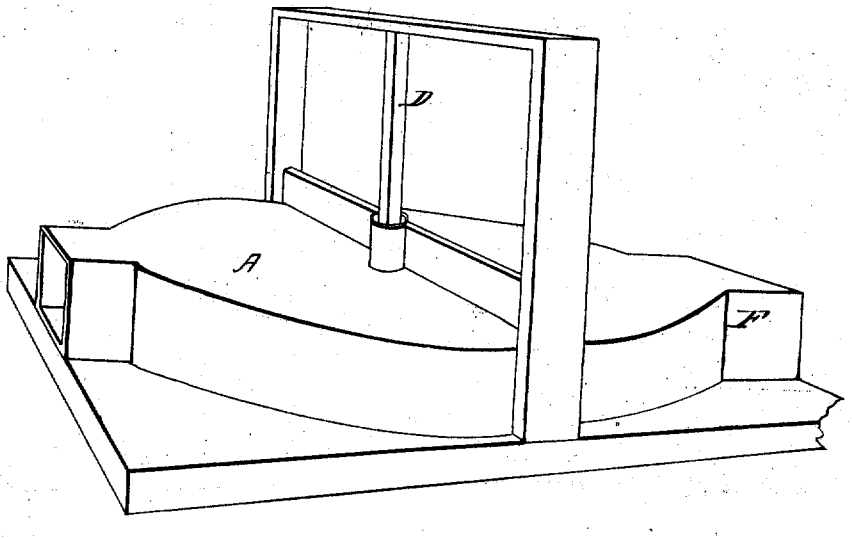
No Printed Specification Available

# C. S. Mercer,

## Water Wheel.

Patented Mar. 30, 1836.




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

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Mar 30. 1836 13

Caleb Wheeler
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The Subscriber prays to issue a Patent
and Writing Seal of the Invention, containing a dis-
cription and Specification of the same & Himself
as the Inventor and Discoverer thereof according to Law.

Be it remembered That I Caleb Wheeler of Hanover
in the County of Baltimore and State of Maryland
have invented and discovered an improvement in the
Tide Water Wheel which is described as follows, re-
ference being had to the annexed Drawing and part of the same
making part of this Specification

A. the Frame of the Wheel. B. the Water
Wheel. C. the Buckets of the Water Wheel. D. the Verti-
cal Shaft on which it is hung & by which for convey-
ing the power to any Machinery. E. the Mill
or Machinery. F. part of the Frame of the Tide
Lock. G. Gates hung on Hinges on a Lunge and
framed by cant and Lacking Timbers. H. Flume
I. Flume. G. Gates or Doors for shutting the Lock
& shutting the Water from the Wheel. K. one of the Gates
for shutting the Water from the Wheel. L. one of the Gates
for shutting the Water from the Wheel. M. the Lunge
being part of the Frame of the Lock. N. the Lunge of the
Flume. O. the Frame work for the Gates. P. the Flume
R. Gates for shutting the Tide out from the Buckets
of the Water Wheel. S. the Frame work of the Tide Lock.
T. the Spindle Head. U. the Wheel is to be
placed in a Creek, or other place where the Mill
Wheel & Tide Buckets may be set, and must be set be-
low Low Water in a situation where the Water has a...

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to cy Land a Ditch ... a Large Sum[ps] by which Means this Water ... Flow of the Mill ... the Ditch will be made a ... Current ... of the Water into the Creek ... the Run is to be regulated by making ... Gate ... Ditch ... that during Flood Tide ... when it is required to obtain a stronger Current ... the Flow the Flood Gate shall be shut ... which will produce a difference in the Levels of the Water on the East and on the West thus causing a stronger Current in the Flow ... the Water the Gate is open ... When the Tide begins to ebb the same operation is performed as during the Flood Tide ... What I claim as my Invention and which I wish to secure by Letters Patent ... in the Manner ... as ... described ...

Witnesses
Jas. Cooke
M. Beck

Jos. B. Mason

(Recorded in Book ... April 22d 1836)

Thos. P. Jones
Dft