

* *W.L. Selleck,*

Water Wheel.

No. 101,050.

Patented Mar. 22, 1870.

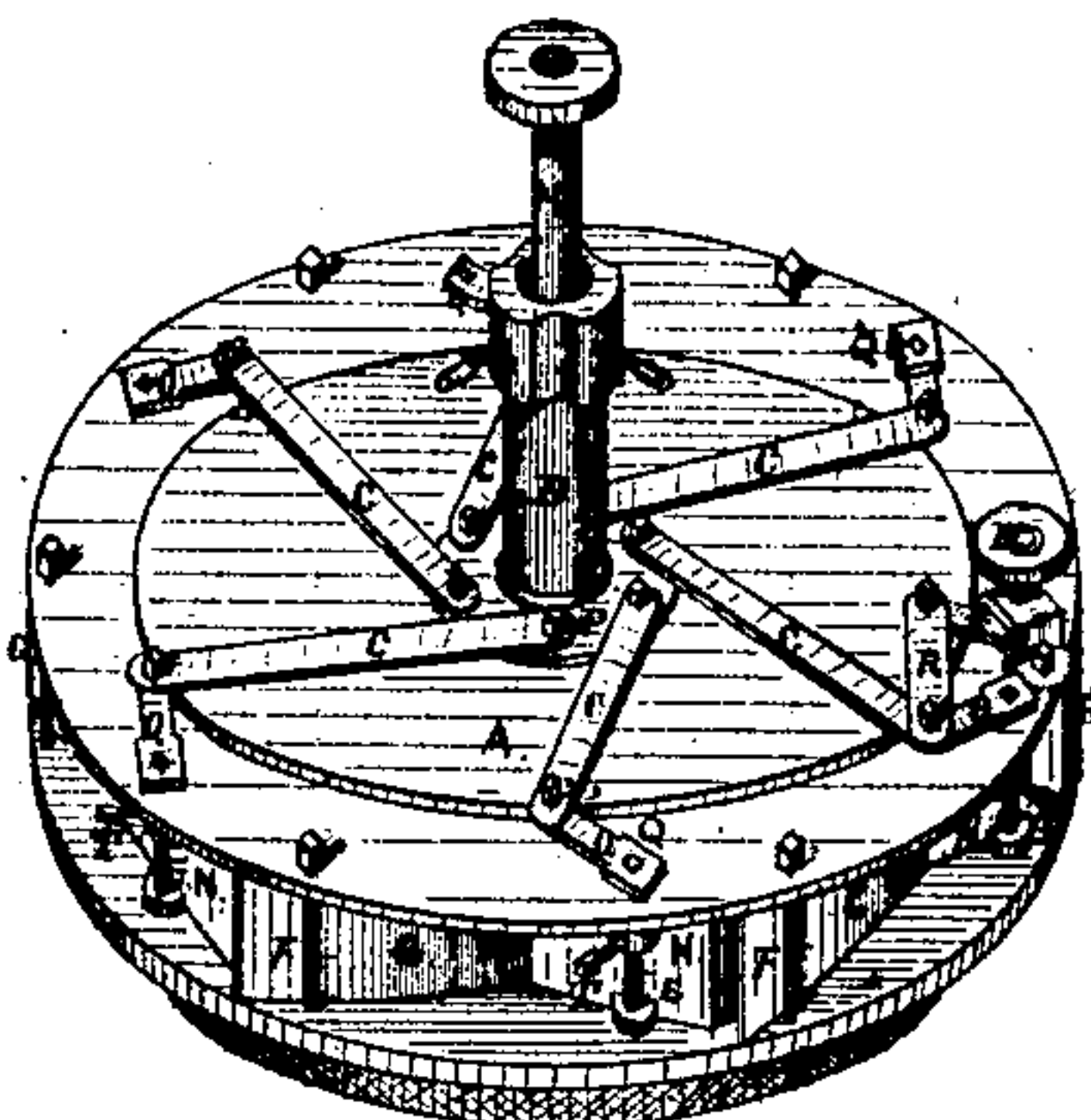


FIG. 1.

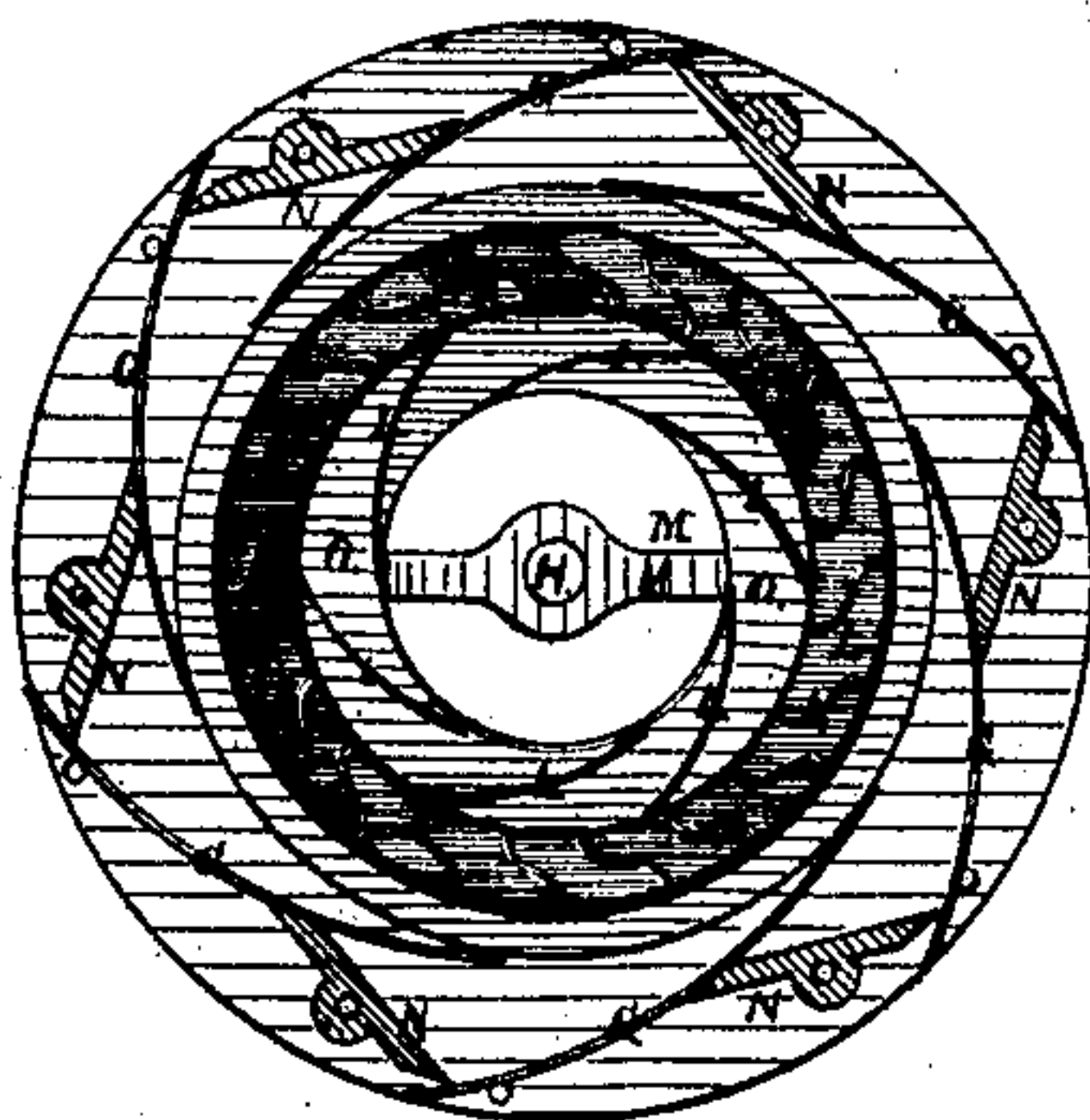


FIG. 2.

WITNESS.

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INVENTOR.

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United States Patent Office.

W. L. SELLECK, OF MILWAUKEE, WISCONSIN.

Letters Patent No. 101,050, dated March 22, 1870.

IMPROVEMENT IN WATER-WHEELS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, W. L. SELLECK, of the city and county of Milwaukee, and State of Wisconsin, have invented a new and useful Improvement in Water-Wheels; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 is a perspective view of my invention, and

Figure 2, a sectional view.

Similar letters of reference in each of the figures indicate corresponding parts.

The object of my invention is to produce a superior water-wheel.

A is the stationary curb of the wheel.

B, upright hollow shafts, through which the wheel-shaft operates.

C, the gate-arms.

D, a shaft, with which to open and shut the gates.

E, bolts, on which the gates turn, and which turn the gates, opening and shutting the same.

F, bolts, which hold the bottom and top of the curb together.

G, guides which guide the water to the wheels.

H, center shaft of the wheel.

I, bottom plate of the wheel.

K, the buckets of the wheel, made in the form of an S, so that the water strikes on the outside curve of the buckets first, and then falls in through into the center of the curve.

L, the chutes to the inside central stationary part of the curb, through which the water passes and is discharged.

M, cross-bar on the bottom of the curb.

N, gates.

O, bottom rim of the central part of the curb.

P, ring round the hollow shaft B, and to which are attached the gate-arms C.

Q, a short plate or bar, connecting arms C to bolts E.

R, an arm from the joint connecting-plate Q and arm C.

S, an arm from arm R to shaft D, so that when shaft D is turned the gates will be opened or closed.

T, a set-screw in an eye on gates N, to hold the bolt E firmly to the gate.

When the shaft D is turned and the gates opened, the water strikes the buckets K and revolves the wheel, the moving part of the wheel revolving inside of the outside of the curb, and outside of the inside curb, so that the water to move the wheel enters at the gates and passes through to buckets K, and out through the chutes L of the center curb.

Claims.

I claim as my invention—

1. Wheel I, with S-buckets, in combination with stationary center O and L, receiving and discharging the water in the line of motion, substantially as described.

2. Gates N, arms C and Q, pin E, ring P, arms R and S, and shaft D, all in combination substantially as described.

W. L. SELLECK.

Witnesses:

J. B. SMITH,

W. M. HORNOR.