(No Model.)

W. HENSEY.

Undershot Water Wheel.

No. 231,041. Patented Aug. 10, 1880.

Fig. 1.

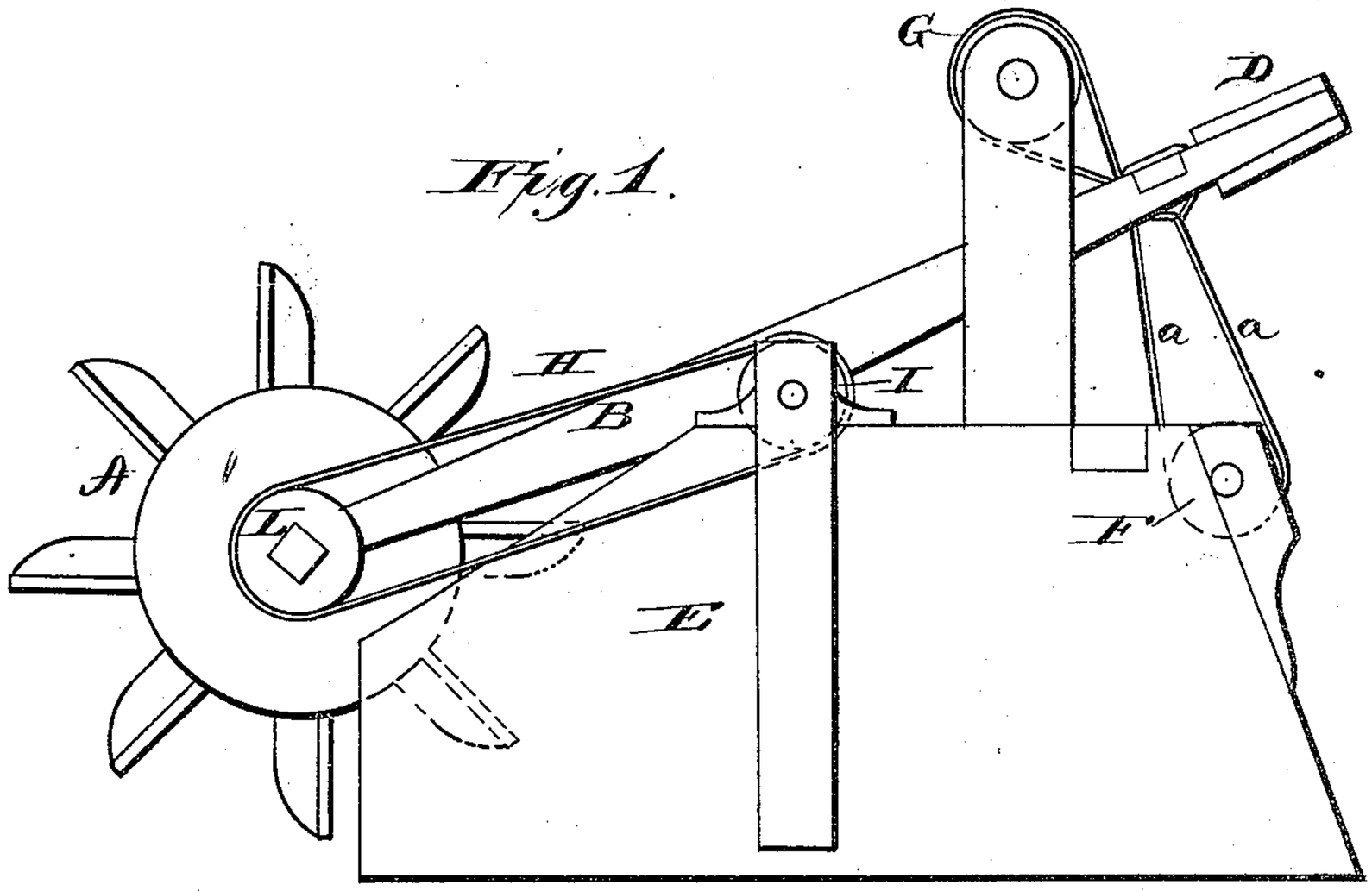
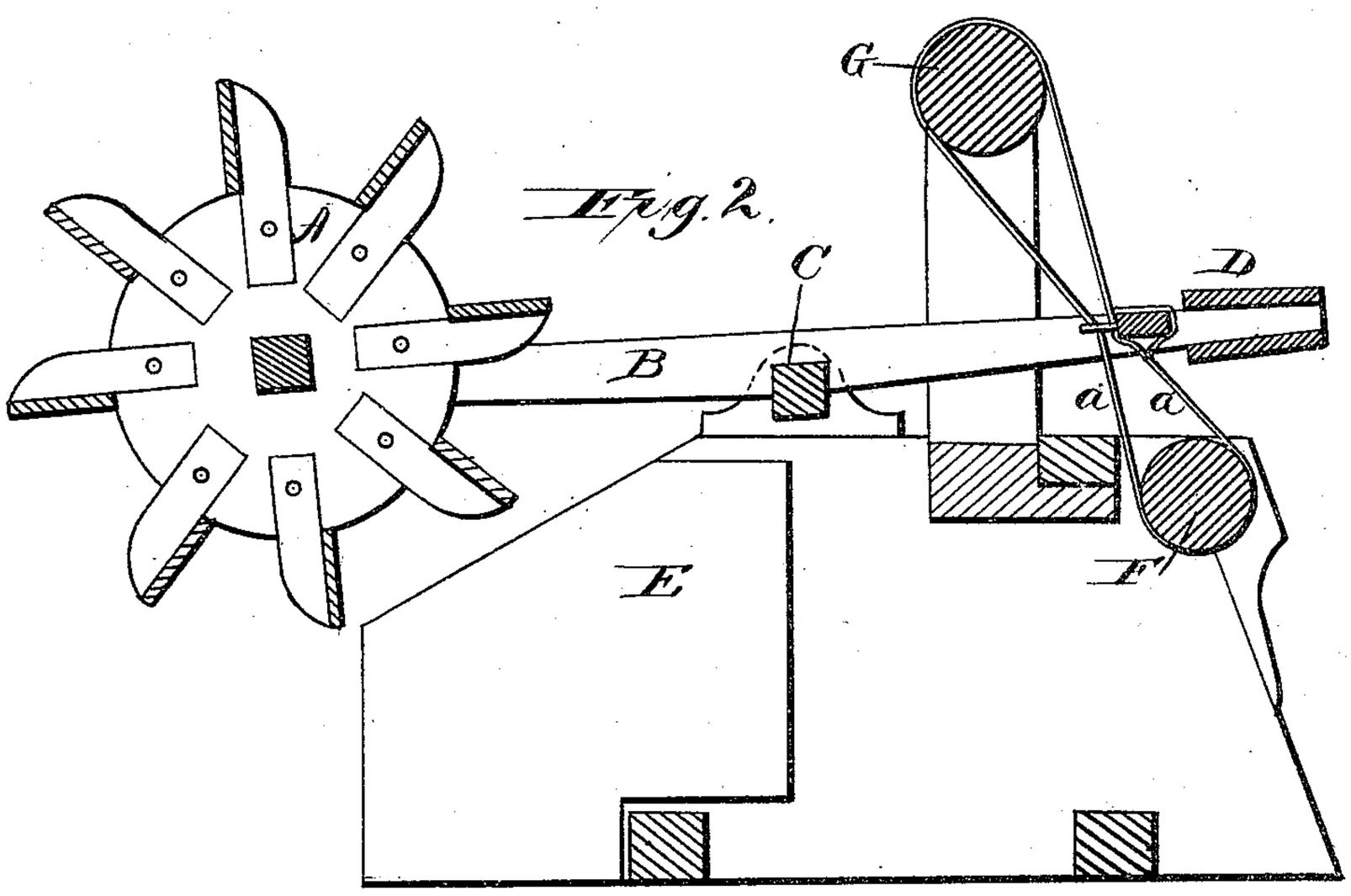


Fig. 2.



Witnesses
F. L. Ourand
C. L. Ewert.

Inventor
Wm. Hensey.
By Alexander & Mason
Attys

UNITED STATES PATENT OFFICE.

WILLIAM HENSEY, OF WAMEGO, KANSAS.

UNDERSHOT WATER-WHEEL.

SPECIFICATION forming part of Letters Patent No. 231,041, dated August 10, 1880.

Application filed June 17, 1880. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM HENSEY, of Wamego, in the county of Pottawatomie, and in the State of Kansas, have invented certain new and useful Improvements in Water-Wheels; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of an undershot water-wheel, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a side elevation of my water-wheel. Fig. 2 is a longitudinal vertical section of the same.

A represents the undershot water-wheel, hung in one end of a frame, B, which is mounted upon a shaft, C, having its bearings in abutments or piers E E, substantially as shown, or in any other suitable or convenient manner. The opposite end of the frame B is provided with a weight, D, to balance the wheel as nearly as possible.

Under the weighted end of the frame B is a windlass, F, around which is wound a rope or cord, *a*. One end of this cord is attached directly to the frame B. The cord is then passed downward around the windlass F, upward and around a pulley, G, journaled in standards above, thence down, and is again attached to the frame. By means of this windlass the frame may be turned on its shaft in such a manner as to raise or lower the wheel, according to the height of the water, or to bring the paddles deeper or lower in the water for the purpose of regulating the speed of the wheel.

On the shaft of the wheel A is a pulley, L, connected by a belt, H, with a pulley, I, placed on a shaft which is on a line with the shaft C, that supports the frame.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of the wheel A, pivoted lever B, having weight D upon one end and the wheel A upon the other, the standard E and shaft or pivot C, the windlass F, pulley G, and rope *a*, adapted to adjust the wheel A at will, and the operating-gear H L I, all constructed, arranged, and operated as and for the purpose herein specified.

In testimony that I claim the foregoing I have hereunto set my hand this 21st day of May, 1880.

W. HENSEY.

Witnesses:

ABE GALESTAUDT,

L. PARADISE.