

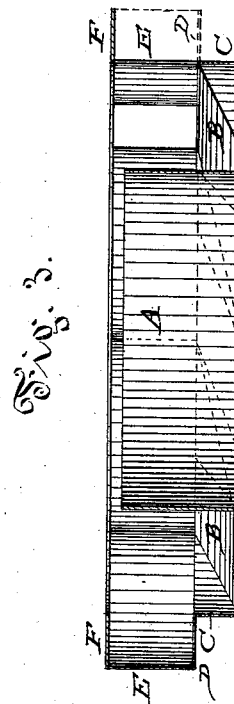
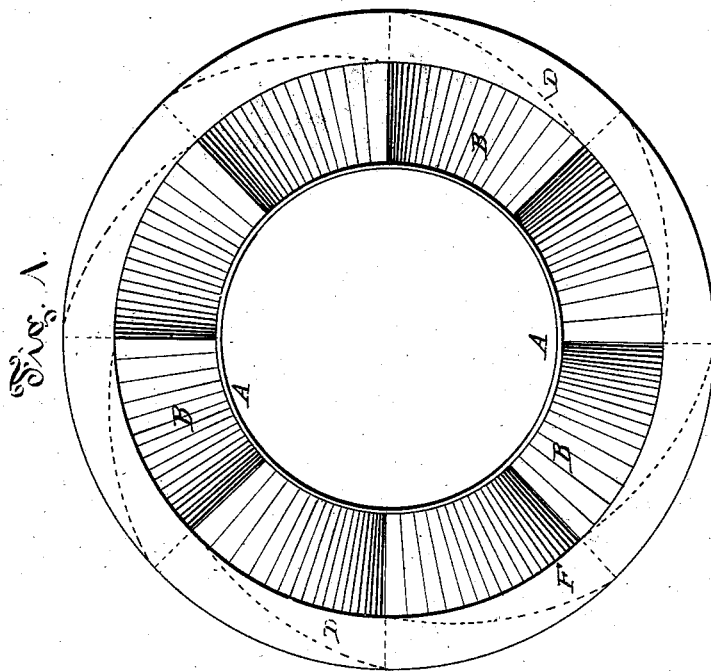
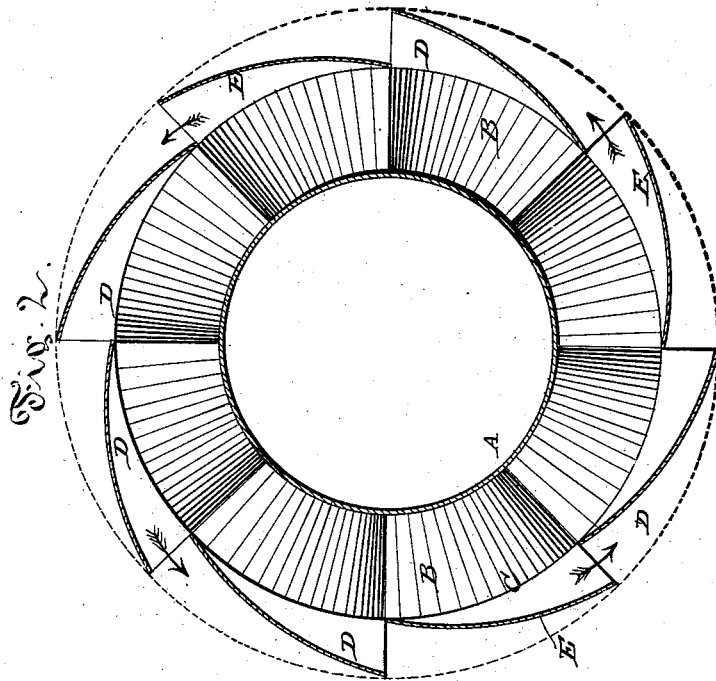
(No Model.)

G. W. STANSELL.

WATER WHEEL.

No. 264,485.

Patented Sept. 19, 1882.



WITNESSES:

Wm. S. Dietrich,
C. K. Allen.

INVENTOR.

Geo. W. Stansell,
by C. A. Snow & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

GEORGE W. STANSELL, OF JESUP, GEORGIA.

WATER-WHEEL.

SPECIFICATION forming part of Letters Patent No. 264,485, dated September 19, 1882.

Application filed June 27, 1882. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. STANSELL, of Jesup, in the county of Wayne and State of Georgia, have invented certain new and useful
5 Improvements in Water-Wheels; and I do hereby declare that the following is a full, clear, and exact description of my invention, which will enable others skilled in the art to which it appertains to make and use the same, reference
10 being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a top view. Fig. 2 is a horizontal sectional view, and Fig. 3 is a vertical sectional view.

15 Like letters refer to like parts in the several figures.

This invention relates to horizontal water-wheels; and it consists in certain improvements in the construction of the same, which will be
20 hereinafter fully described, and particularly pointed out in the claim.

A in the drawings represents the inner band of my improved water-wheel, to the outer side of which, near the lower edge, the horizontal
25 buckets B are secured. The outer edges of said buckets are connected by a rim or band, C, to the upper edge of which outward-projecting curved wedge-shaped plates D are secured. The vertical buckets E are secured to
30 the outer edges of said plates, whereby the proper curve is thus given to said buckets, and their upper edges are then connected by a horizontal rim or band, F.

My improved water-wheel takes the water from the top and discharges simultaneously 35 through the horizontal and vertical buckets B E. The action of the water upon the horizontal buckets is obvious. Through the vertical buckets E it escapes at the rear ends of said buckets in the direction indicated by arrows 40 in Fig. 2 of the drawings, the reaction upon the bucket-blades serving to assist in propelling the wheel. The total power of the water is thus utilized and none is wasted.

My improved water-wheel is simple in construction and may be built at a small expense.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The herein-described improved water-wheel, 50 consisting of the band A, horizontal buckets B, secured to the outer side, near the lower edge of said band, band C, connecting the outer edges of said buckets, outward-projecting plates D, secured to the upper edge of said 55 band, vertical buckets E, secured to the outer edges of said plates, and the horizontal rim or band F, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in 60 presence of two witnesses:

GEORGE W. STANSELL.

Witnesses:

WILLIAM M. AUSTIN,
JOHN A. RUMPH.