

L. H. THOMPSON.
WATER-ELEVATOR.

No. 171,330.

Patented Dec. 21, 1875.

Fig. 3.

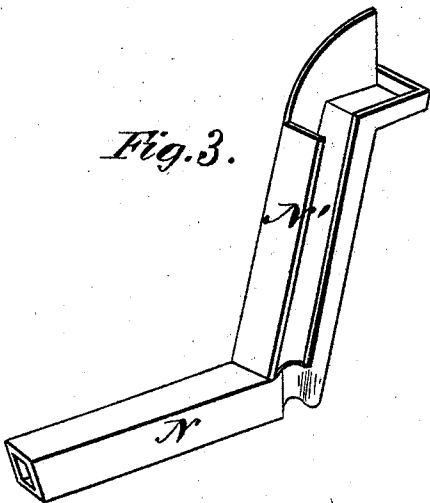
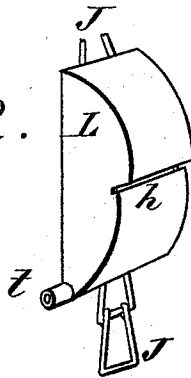


Fig. 2.



WITNESSES
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UNITED STATES PATENT OFFICE.

LESLIE H. THOMPSON, OF GUIDE ROCK, NEBRASKA.

IMPROVEMENT IN WATER-ELEVATORS.

Specification forming part of Letters Patent No. **171,330**, dated December 21, 1875; application filed April 24, 1875.

To all whom it may concern:

Be it known that I, **LESLIE H. THOMPSON**, of Guide Rock, in the county of Webster and State of Nebraska, have invented a new and valuable Improvement in Water-Elevator; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a front view of my wind-wheel, and Figs. 2, 3, and 4 are detail views of the same.

This invention has relation to elevators for raising water; and the nature of my invention consists in a chain-bucket having the form of the segment of a circle, and provided at one of its corners with a discharge-tube, in combination with a chute and an open-sided guide, as will be hereinafter explained.

In the annexed drawings, on the shaft I a spurred wheel, F, is keyed, over which a chain, J, is passed, which chain carries a number of buckets, L, having the form of hollow segments of a cylinder. At the middle of the length of each bucket is a transverse opening, *h*, one lip of which projects beyond the other, for the purpose of readily taking the water

when the bucket is submerged. At one corner of each bucket L is a tubular outlet, *t*, which discharges the water from the bucket when upset. N designates a discharge-spout, from which rises a chute, N', one side of which is open to receive the tubular outlet *t* and guide the buckets during their descent, and conduct the water discharged from the buckets into the chute N.

By these means I render unnecessary, in a chain-bucket, the use of valves and tripping devices for discharging the water from the buckets into the chute N.

What I claim as new, and desire to secure by Letters Patent, is—

1. Buckets L, of the form described, and having openings *h* and discharge-tubes *t*, substantially as described.

2. The chute N and open receiving-guide N', combined with chain-buckets L, having discharge-tubes *t*, as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

LESLIE H. THOMPSON.

Witnesses:

JAS. S. GILHAM,
JNO. R. WILLCOX.