

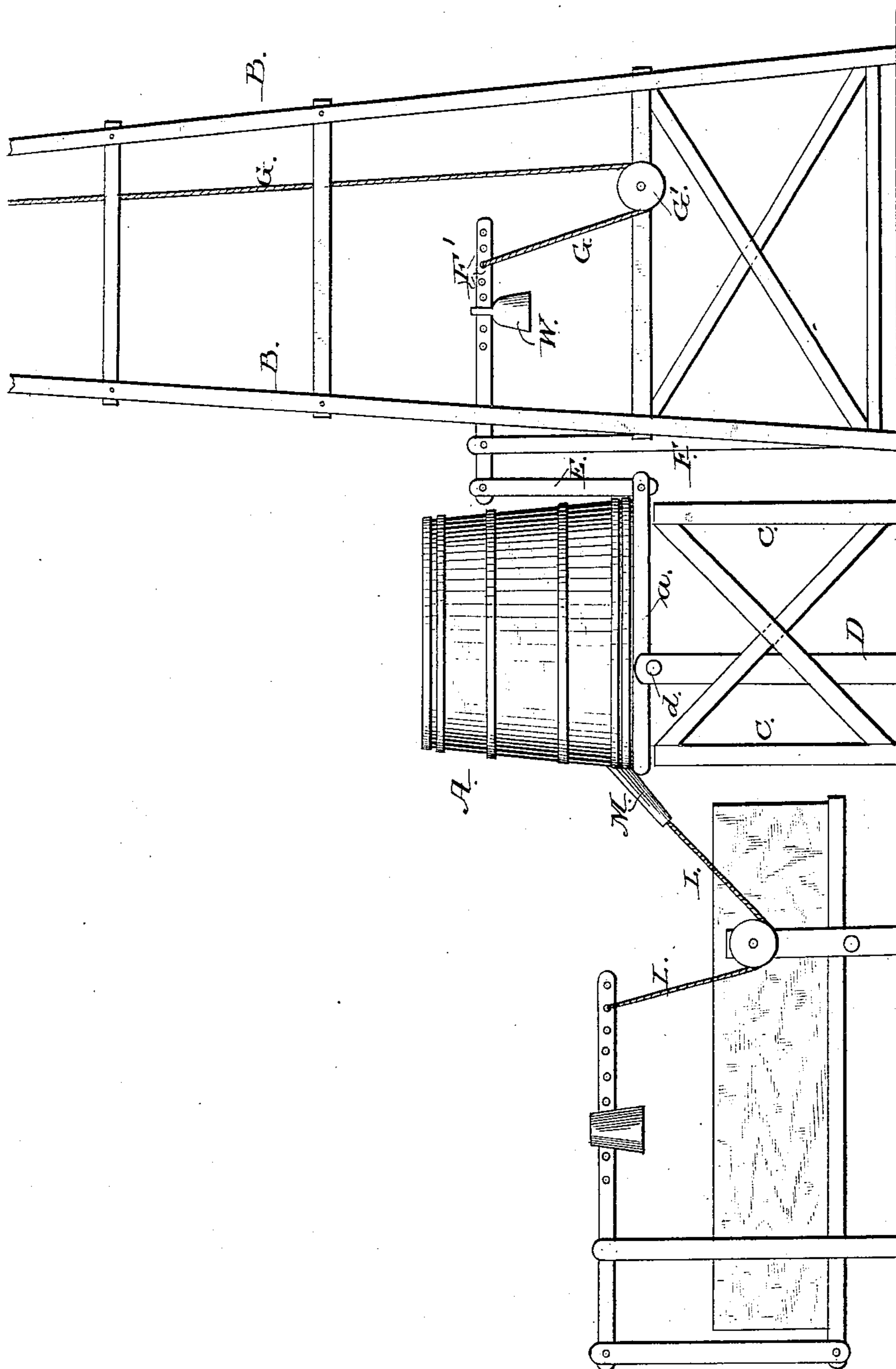
(No Model.)

R. T. YOUNG.

GOVERNOR FOR WATER ELEVATORS.

No. 246,856.

Patented Sept. 6, 1881.



Witnesses:

Charles Fowler,  
Jno. L. Condon

Inventor:

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# UNITED STATES PATENT OFFICE.

RICHARD T. YOUNG, OF NORBORNE, MISSOURI.

## GOVERNOR FOR WATER-ELEVATORS.

SPECIFICATION forming part of Letters Patent No. 246,856, dated September 6, 1881.

Application filed February 4, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, RICHARD T. YOUNG, of Norborne, in the county of Carroll and State of Missouri, have invented certain Improve-  
5 ments in Governors for Water-Elevators; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing, making part of this specification, in which—

10 The figure is an elevation showing the entire device.

The object of my invention is to provide an automatic governor to be applied to devices for elevating water for watering stock, and  
15 other purposes; and my invention consists in a receiving-tank resting upon pivotal supports outside of its central vertical line combined with an attached weighted lever controlling the shut-off mechanism of the hoisting device.

20 For purposes of illustration I have shown my governor applied to an ordinary windmill.

In order that those skilled in the art may make and use my invention, I will proceed to describe the manner in which I have carried  
25 it out.

In the said drawing, B B is the supporting-derrick of a windmill, alongside of which is the receiving-tank A, located on a platform, *a*, which is supported by trunnions *d* and posts  
30 D, the trunnions being to one side of a central vertical line through the tank A, the vertical line being between the trunnions and the derrick B.

The oscillation of the platform *a* and the tank  
35 A on the trunnions *d* is controlled by the underlying frame-work C C.

To an upright timber, F, located within the base of the derrick B B is pivoted a weighted

lever, F', having one end attached to platform  
*a*, through the means of link E, and to the other 45  
end is secured a cord, G, which passes around pulley G', and thence to the governor of the windmill. The water passes into tank A from the pump attached to the windmill, and its weight being unequally divided over its points 45  
of support, (the trunnions *d*,) the tendency is for the longest side of the tank A to be depressed until it rests upon the frame-work C. This draws down link E and with it lever F',  
50 throwing up the weighted end and drawing the cord G so as to shut off the wind-wheel. The position of the weight W on the lever F' determines the point to which the tank shall be filled before the wind-wheel is shut off, be-  
55 cause the long side of the tank A will not descend until its weight overcomes the joint resistance of its short side and the weighted lever F'.

I have shown in the drawing substantially the same apparatus applied to control the supply from tank A to the watering-trough, the  
60 only difference being that the cord L has one end attached to the weighted lever and the other end to a float-valve in the tank, which opens and closes the spout M.

Having thus described my invention, what I 65  
claim as new, and desire to secure by Letters Patent, is—

The derrick B, governor-cord G, weighted lever F', and link E, in combination with tank A, platform *a*, trunnions *d*, arranged to one  
70 side of a central vertical line, and posts D, as set forth.

RICHARD T. YOUNG.

Witnesses:

WM. C. PRICE,  
A. S. EVANS.