

No. 715,682.

Patented Dec. 9, 1902.

J. MULLER.
DIPPING TANK.

(Application filed Aug. 13, 1902.)

(No Model.)

Fig. 1.

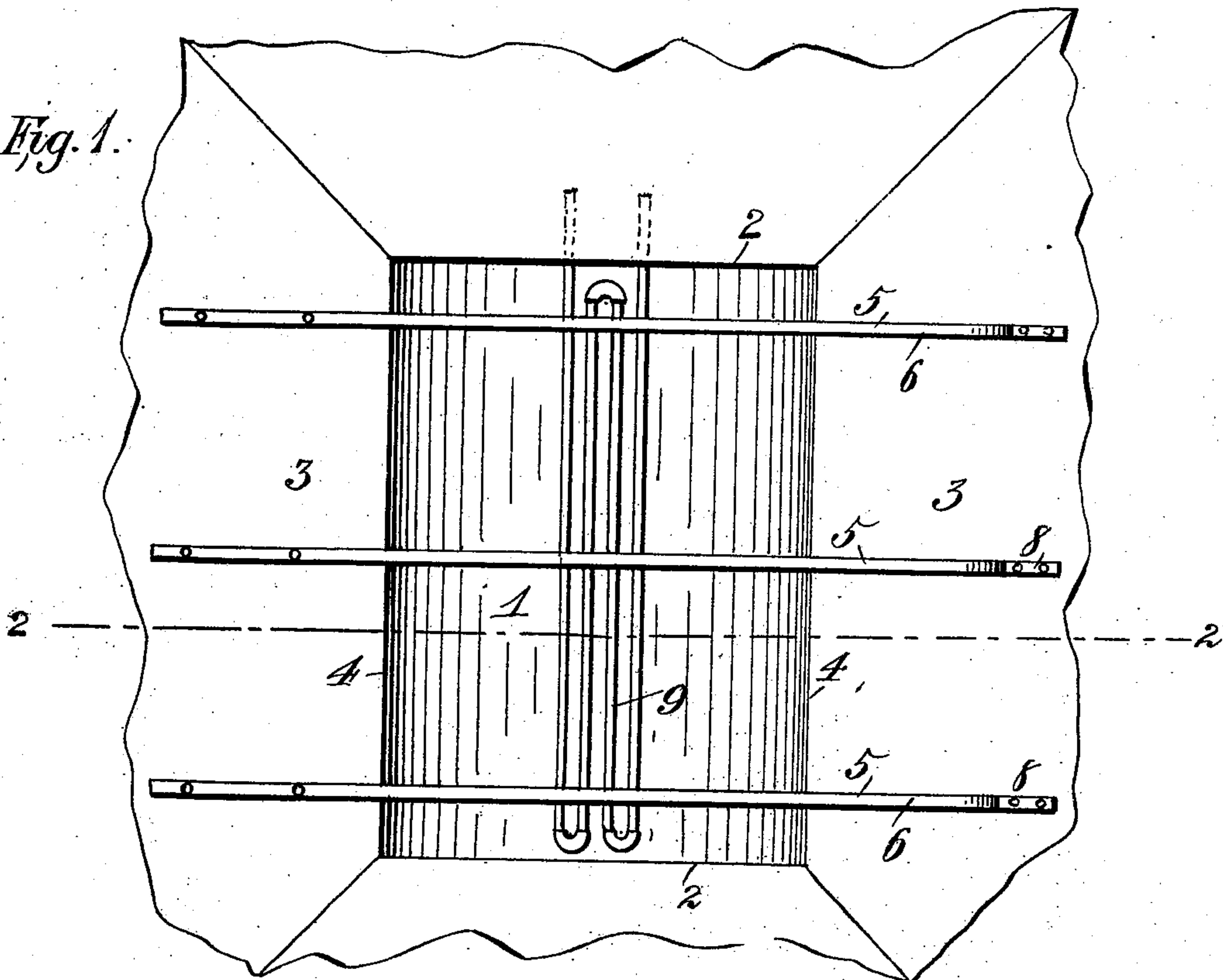


Fig. 2.

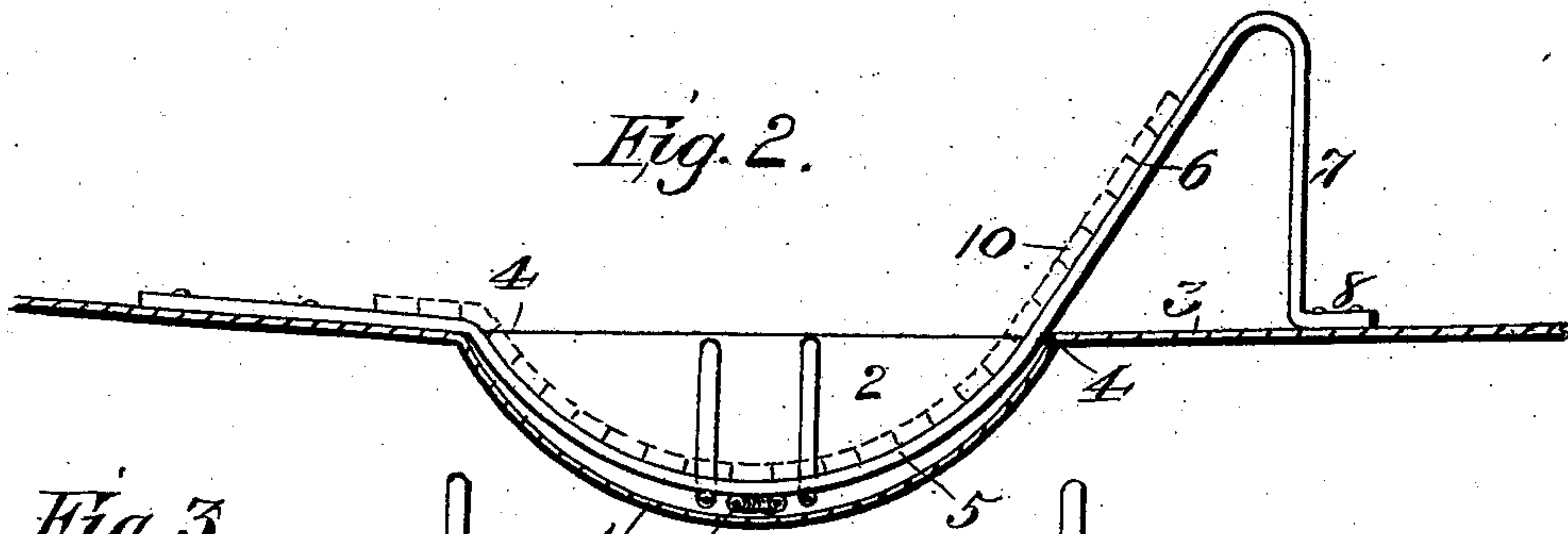
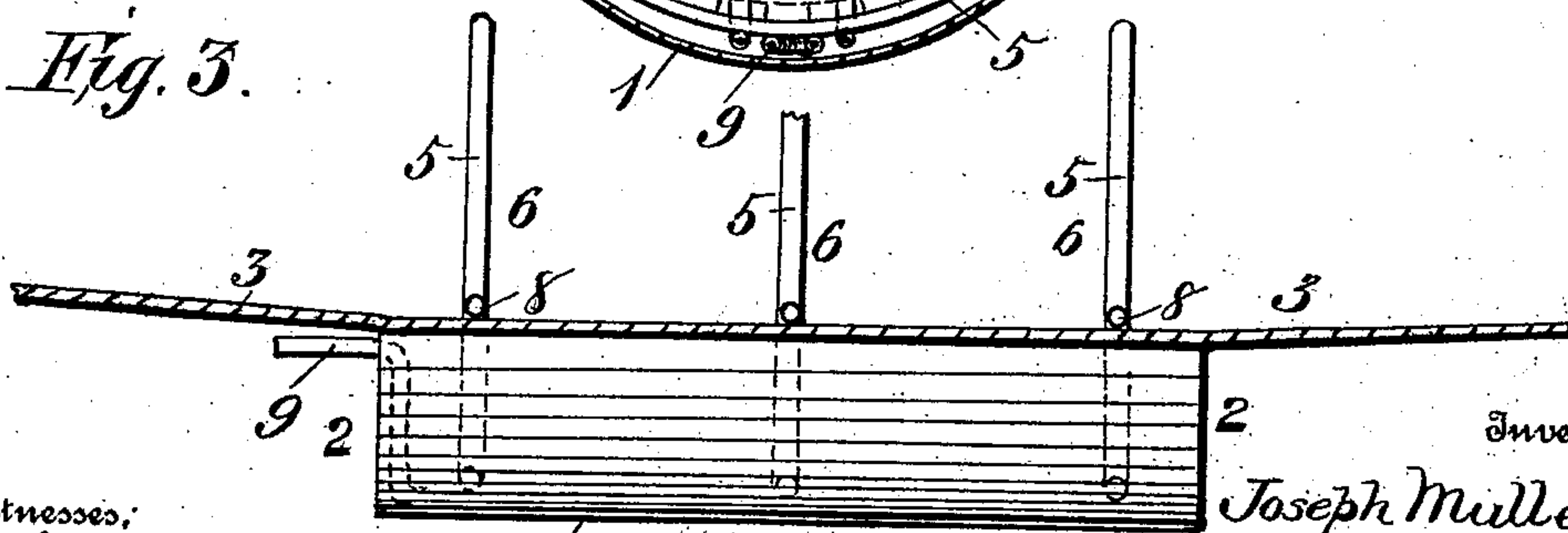


Fig. 3.



Witnesses:
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By

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UNITED STATES PATENT OFFICE.

JOSEPH MULLER, OF ALLEGHENY, PENNSYLVANIA.

DIPPING-TANK.

SPECIFICATION forming part of Letters Patent No. 715,682, dated December 9, 1902.

Application filed August 13, 1902. Serial No. 119,532. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH MULLER, a citizen of the United States, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented new and useful Improvements in Dipping-Tanks, of which the following is a specification.

My invention relates to dipping-tanks for use in coating or painting bale-ties; and the object of the same is to design a tank of this description which will be so constructed that the uncoated ties will force the ties already coated up out of the liquid and will then take their places therein.

The simple and novel construction employed by me in carrying out my invention is fully described in this specification and claimed, and illustrated in the accompanying drawings, forming a part thereof, in which—

Figure 1 is a plan view of my device. Fig. 2 is a section on the line 2 2, Fig. 1. Fig. 3 is a side elevation of the same.

Like numerals of reference designate like parts in the different views of the drawings.

The numeral 1 designates a semicylindrical tank having ends 2. The tank 1 is set flush with a floor 3, which slopes each way toward the edges 4 of the tank. Three parallel guides 5 are mounted transversely the tank 1, adjacent to the bottom thereof. They are bent over and secured to the floor 3 on one side of the tank, but are prolonged upwardly beyond and above the edges 4 on the other side of the tank to form inclines 6 and are then bent down to form legs 7 and feet 8, which are attached to the floor to serve to support the guides. A steam heating-coil 9 is mounted in the bottom of the tank to keep the dip hot.

In operation bundles of bale-ties are placed on the guides 5, starting near the bottom of

the tank and progressing toward and up the inclines 6. The bundles 10, placed on the inclines 6, will force those in the tank up the opposite side and out on the floor 3, when they can be removed by an attendant and set up to drain. The dip carried out of the tank by the bundles will run back on the inclined floor surrounding the edges.

I do not wish to be limited as to details of construction, as these may be modified in many particulars without departing from the spirit of my invention.

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

1. In a device of the class described, the combination with a semicylindrical tank, of an incline located in alignment with and above one of the sides of said tank, substantially as described.

2. The combination with a tank having oppositely-inclined sides, of an incline located above one of the sides of said tank whereby bundles of ties placed thereon will force the bundles in the tank up and out of the tank, substantially as described.

3. In a device of the class described, the combination with a semicylindrical tank, of guides mounted transversely said tank whereby bundles of ties placed thereon will slide down into said tank and other bundles placed on said guides will force those in the tank up the opposite side, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOSEPH MULLER.

Witnesses:

JOHN SCOTT,
CHARLES C. BAIRD.