

E. H. FRANZ.
Street-Sprinkler.

No. 159,253.

Patented Feb. 2, 1875.

Fig. 1

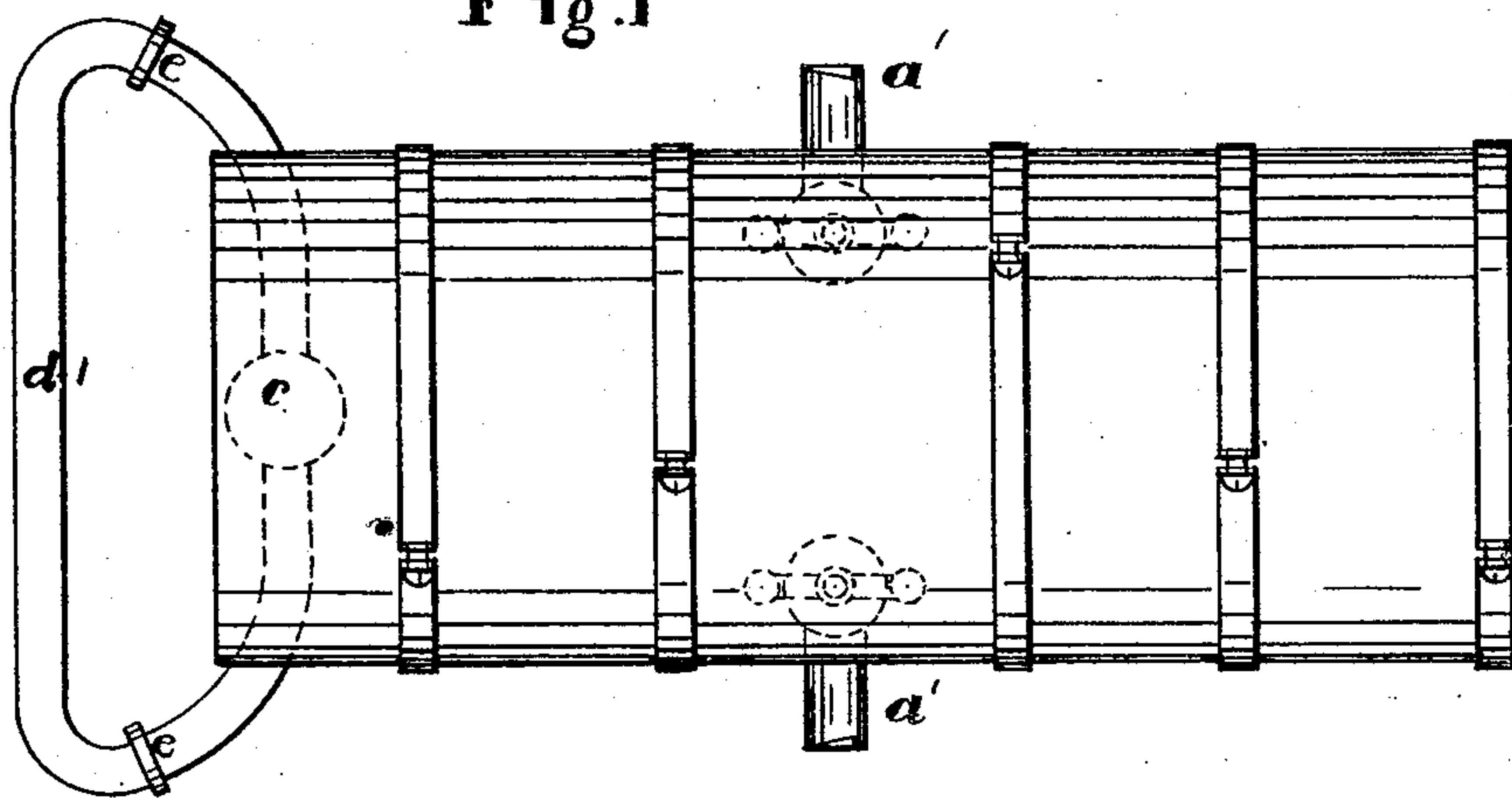
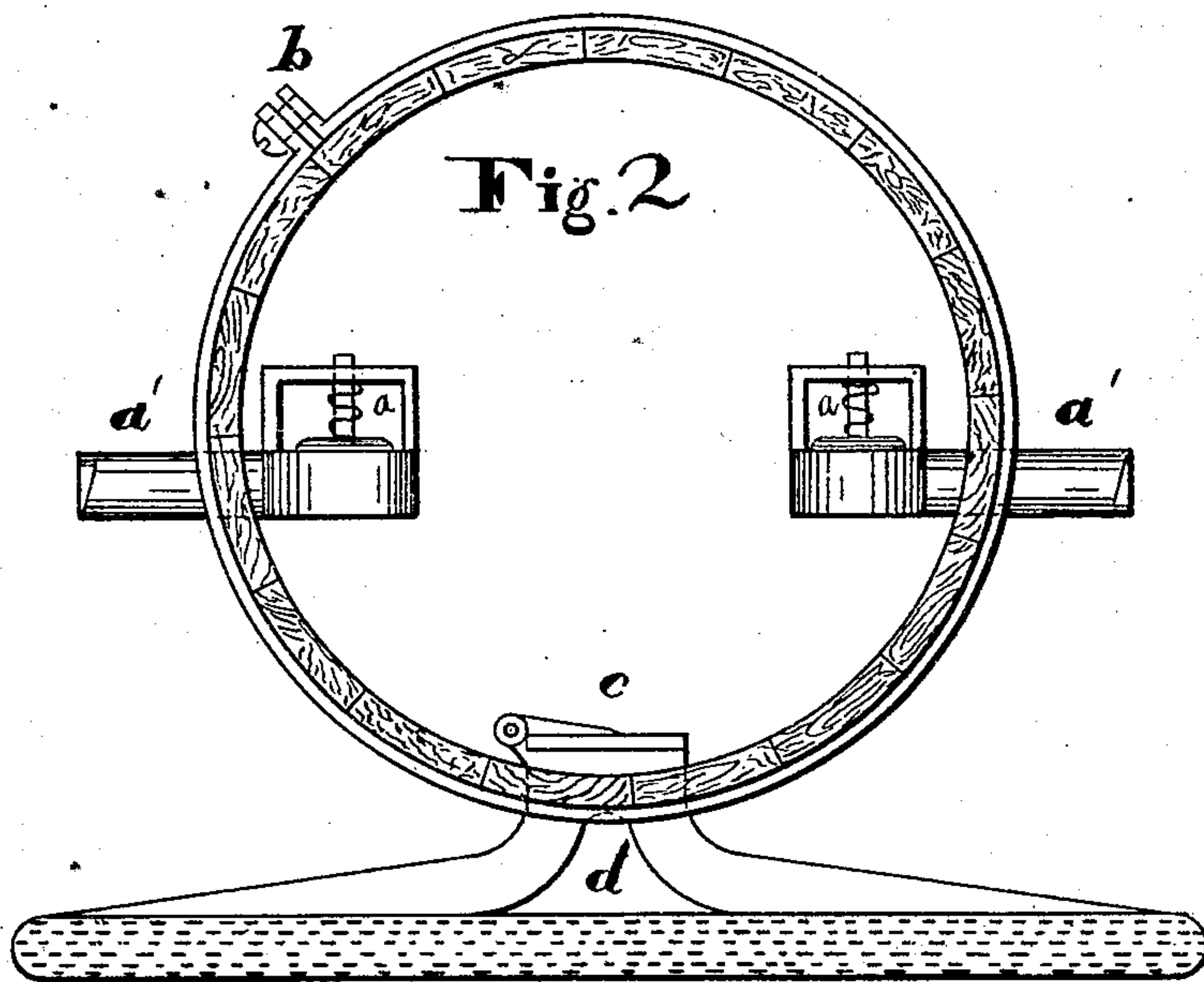


Fig. 2



Attest

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IMPROVEMENT IN STREET-SPRINKLERS.

Specification forming part of Letters Patent No. **159,253**, dated February 2, 1875; application filed May 2, 1873.

To all whom it may concern:

Be it known that I, ERNST H. FRANZ, of the city of Cincinnati, Ohio, have invented certain Improvements in Street-Sprinkling Devices, of which the following is a specification:

My invention relates to street-sprinklers; and consists of a water-tank and check-valves as inlets.

In the accompanying drawings, Figure 1 is a plan of the water-tank and of check-valves through which the water is let into the tank, and kept therein. The water is discharged by means of the outlet-valve C and pipes *d d'*. Fig. 2 is an end elevation of Fig. 1, showing the manner of operating the check-valves on street-sprinklers.

The tank in Fig. 1 has a check-valve inserted on the two opposite sides of the tank. Its inlet-pipe is on the outside of the tank, and the hose is attached to said pipe to fill the water-tank, while the main body of the check-valve is on the inside of the tank. The check-valves *a a* are the same kind as those used in pumps, and operate in the same manner. On the outer end of the check-valves' pipes *a' a'* is set a wedge-shaped piece, at an angle, say, of thirty degrees, which fits into a coupling

on the hose, so that a one-fourth or one-half turn will fasten it water-tight.

When the check-valve is acted on by the water through the hose to fill the tank, the valve rises and admits the water. When the supply of water is cut off the check-valve drops to its seat and closes itself, thus preventing the water from flowing out, and making it automatic in its working.

C C, in Figs. 1 and 2, is the outlet-valve, through which the water flows into the branch pipe *d* to the sprinkler-pipe *d'*, which is connected to the branch pipe by means of a hose. *e e* are couplings of the usual construction.

When the tank is filled with water, the valve C will remain closed by the weight of water on it. When the water is to be let into the sprinkler-pipe *d'*, the valve C is lifted up, thus letting the water flow out.

I claim as my invention—

The combination of the check-valves *a a* with the feed-pipes and water-tank, as set forth.

ERNST H. FRANZ.

Witnesses:

S. H. WHITMORE,
GEO. P. BROWN.