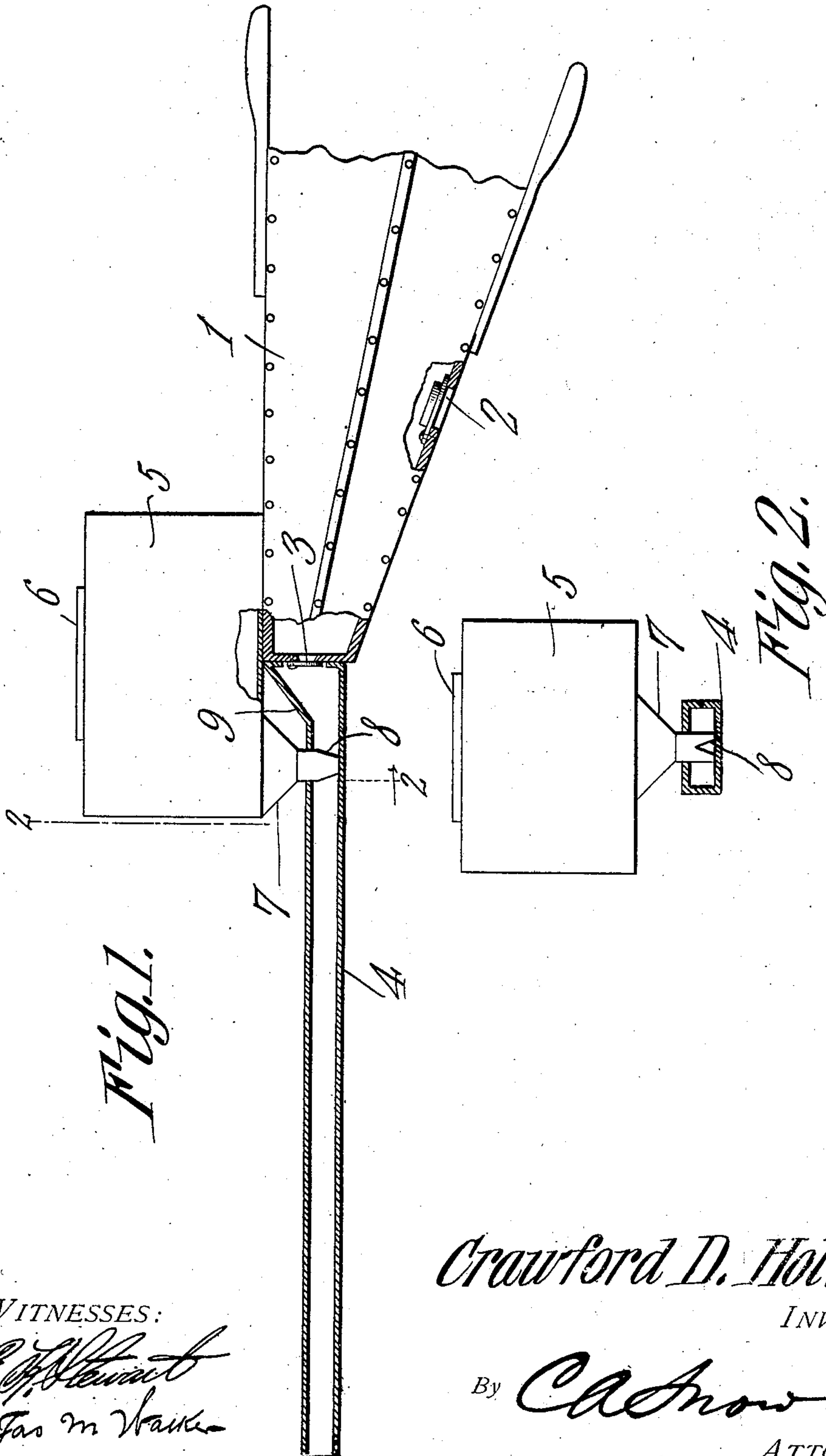


No. 886,979.

PATENTED MAY 5, 1908.

C. D. HOLT.  
POWDER DISTRIBUTER.  
APPLICATION FILED MAY 21, 1907.



WITNESSES:

*E. J. Stewart*  
*James M. Walker*

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# UNITED STATES PATENT OFFICE.

CRAWFORD D. HOLT, OF MURRAY, KENTUCKY, ASSIGNOR TO J. T. McELRATH, OF MURRAY, KENTUCKY.

## POWDER-DISTRIBUTER.

No. 886,979.

Specification of Letters Patent.

Patented May 5, 1908.

Application filed May 21, 1907. Serial No. 374,856.

*To all whom it may concern:*

Be it known that I, CRAWFORD D. HOLT, a citizen of the United States, residing at Murray, in the county of Calloway and State of Kentucky, have invented a new and useful Powder-Distributor, of which the following is a specification.

This invention has relation to powder distributors and it consists in the novel construction and arrangement of its parts as hereinafter shown and described.

The object of the invention is to provide a distributor for powder and the like which consists of a bellows upon which is mounted a receptacle for holding the powder. A discharge outlet tube which is rectangular in cross section is attached to the bellows and is located over the air outlet thereof. A funnel depends from the said receptacle and bears at its lower end upon the bottom of said tube.

The lower end of the funnel is provided with openings through which the powder may escape into the tube.

In the accompanying drawing:—Figure 1 is an edge elevation of the distributor with parts in section. Fig. 2 is a transverse sectional view of the same cut on the line 2—2 of Fig. 1.

The distributor consists of the bellows 1 which is provided with the usual valved air-inlet 2 and valved air-outlet 3. The inner end of the tube 4 is attached to the bellows 1 and is located over the outlet 3 thereof. Said tube 4 is rectangular in cross section and has its longest transverse axis horizontally disposed. The receptacle 5 is mounted upon the bellows 1 and is provided with a suitable cover 6. The funnel 7 depends from the receptacle 5 and passes laterally through the top side of the tube 4. The lower end of the said funnel rests upon the lower side of the said tube. The front and rear sides of the lower end of the funnel 7 are provided with the inverted V-shaped openings 8. The top of the tube 4 is provided with the down-

wardly inclined portion 9 which is disposed from the upper side of the bellows 1 toward the lower end of the funnel 7 and the openings 8 and is adapted to deflect the air toward the said openings.

The receptacle 5 is filled with powder which passes down through the funnel 7 and enters the tube 4 through the openings 8. As the bellows 1 are operated a blast of air passes through the outlet 3 and is deflected by the section 9 of the tube 4 against the lower ends of the funnel 7 and through the openings 8. Thus the powder is caught up by the blast and is carried along with the same and projected from the end of the tube 4.

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

1. A powder distributor comprising a bellows, a tube attached thereto, a receptacle mounted upon the bellows, a funnel attached to the receptacle and entering the tube and having at the opposite sides of its lower end inverted V-shaped openings which are in alinement with the outlet of the bellows.

2. A powder distributor comprising a bellows, a tube attached to the bellows and being located over the outlet thereof, said tube having at one side an inclined section which operates as a deflector for directing the blast from the bellows to the opposite side of the tube, a receptacle mounted upon the bellows, a funnel attached to the receptacle and entering the tube and having its end resting upon that side of the tube to which the blast is deflected, said tube having at the opposite sides of its lower end openings which are in alinement with the outlet of the bellows.

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

CRAWFORD D. HOLT.

Witnesses:

BARNETT B. WEAR,  
HUGH P. WEAR.