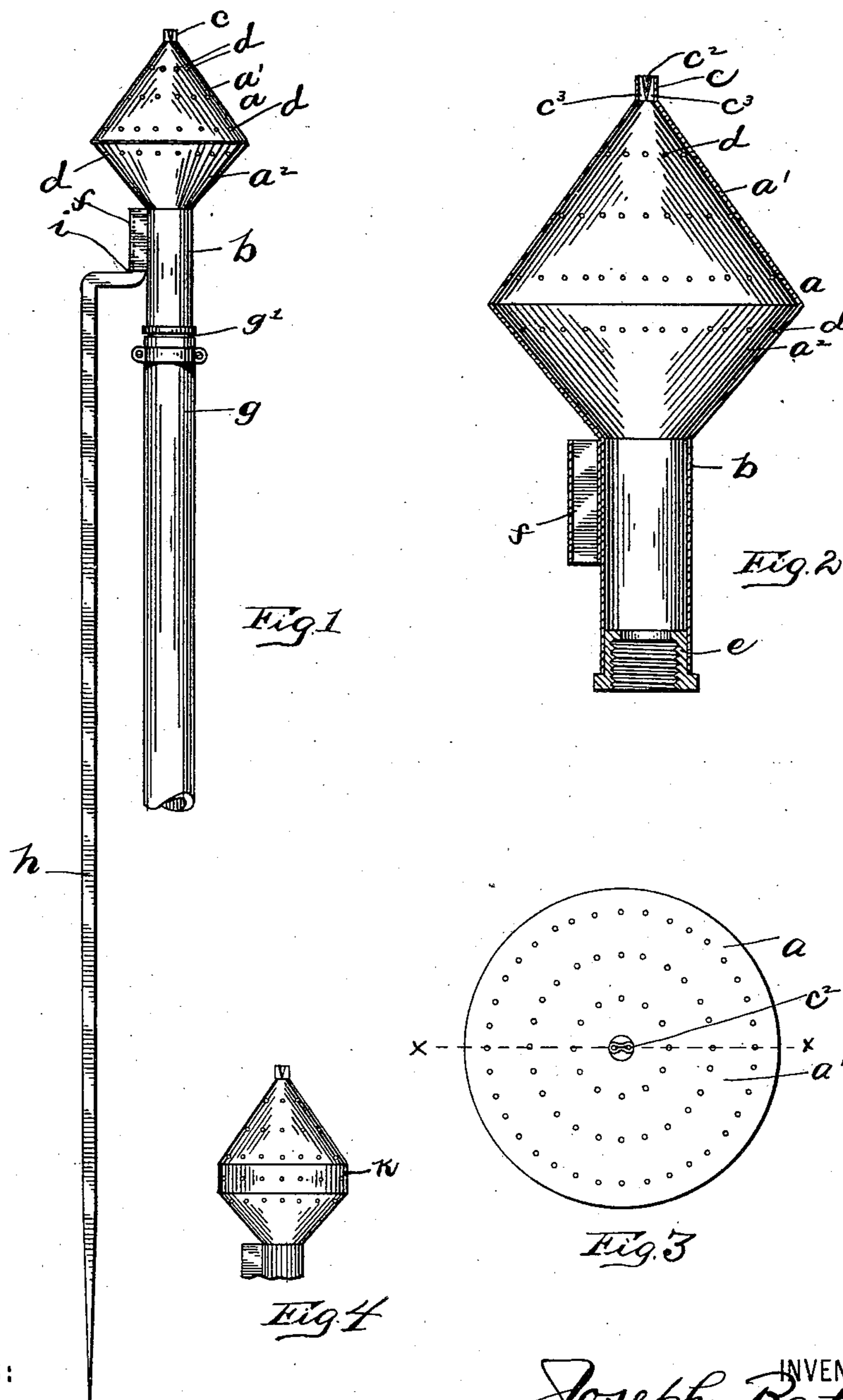


(No Model.)

J. RATH.
SPRINKLING ATTACHMENT FOR HOSE.

No. 564,412.

Patented July 21, 1896.



WITNESSES:

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JOSEPH RATH, OF COLUMBUS, OHIO.

SPRINKLING ATTACHMENT FOR HOSE.

SPECIFICATION forming part of Letters Patent No. 564,412, dated July 21, 1896.

Application filed June 13, 1895. Serial No. 552,633. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH RATH, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in Sprinkling Attachments for Hose, of which the following is a specification.

My invention relates to the improvement of sprinkling attachments for water-carrying hose; and the objects of my invention are to provide an attachment of this class of superior construction and arrangement of parts, to provide improved means for spraying or distributing the water therefrom, and to produce other improvements which will be more specifically set forth hereinafter. These objects I accomplish in the manner illustrated in the accompanying drawings, in which—

Figure 1 is a view in elevation of my improved sprinkling attachment shown connected with a section of hose. Fig. 2 is a central vertical section of said attachment, taken on line *xx* of Fig. 3, on an enlarged scale from that shown in Fig. 1. Fig. 3 is a plan view of said attachment, and Fig. 4 is a view in elevation of a modified form of sprinkler.

Similar letters refer to similar parts throughout the several views.

In producing my improved sprinkling attachment I employ a double-cone-shaped body *a*, which consists of the upper and lower united sections *a'* and *a''*, said upper section being, as shown, in the form of a cone and said lower section, which is united thereto, being in the form of an inverted-cone frustum. With the lower end of said lower section is united a cylindrical stem or tube *b*, the body and stem thus produced being preferably formed of suitable sheet metal. From the apex of the upper section *a'* projects upwardly a short tubular extension *c*, the latter being provided with a central partition, as indicated at *c'*, which results in the formation of two outlet-ports *c''*.

d represents perforations which are formed at suitable intervals through the wall of the sprinkler-body, said perforations being preferably arranged, as shown, in circular rows about said body.

In the lower end of the tubular stem *b* of

the sprinkler I provide a cylindrical internally-threaded plug *e*, while on the outer side of said stem *b*, at a point adjacent to the sprinkler-body, is formed or secured a vertical keeper or socket-piece *f*.

g represents a section of ordinary lawn-hose, the usual externally-threaded end-coupling tube *g'* of which is adapted to be screwed into engagement with the internally-threaded plug *e* of the stem *b*.

h represents a supporting-standard, which is preferably of metal, and the lower end of which is pointed to facilitate its insertion in the earth. The upper end portion of this standard *h* is provided with a crank-shaped termination *i*, the upwardly-extending portion of which is adapted to be inserted, as shown in Fig. 1 of the drawings, into the lower end of the keeper or socket-piece *f* of the stem *b*.

In utilizing my improved sprinkling device the supporting-standard *h* may have its lower end portion inserted into the earth at a desired location, after which the keeper *f* may be engaged therewith in the manner shown and described. By this means it will be seen that the sprinkler may be retained in a position parallel with the body of the standard *h*. The water being turned into the hose *g* in the usual manner, it is evident that separate streams will be discharged through the various perforations *d* thereof and through the ports *c''* of the extension *c*.

Owing to the form of the sprinkler-body and arrangement of the discharge-openings therein, it is evident that not only will the water be discharged over a comparatively large area, but that the combined effect of the discharging streams will present to the eye a pleasing appearance.

If desired, I may employ the form of sprinkler-body shown in Fig. 4 of the drawings, which differs from that indicated in the remaining views in the fact that a vertical perforated band *k* is employed to unite the upper and lower sections of the sprinkler-body.

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

In a sprinkling attachment for hose the com-

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5 bination of the perforated double-cone-shaped body, a discharge extension *c* formed at the apex of said body and divided as described into separate ports *c*³, a stem portion *b* connected and communicating with said sprinkler-body, means for supporting said sprinkler in an elevated position and means for con-

necting the same with a section of water-conducting hose, substantially as and for the purpose specified.

JOSEPH RATH.

In presence of—

C. C. SHEPHERD,
W. RAI MCGAW.