

C. C. CORLEW.

SPRINKLER.

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958,229.

Patented May 17, 1910.

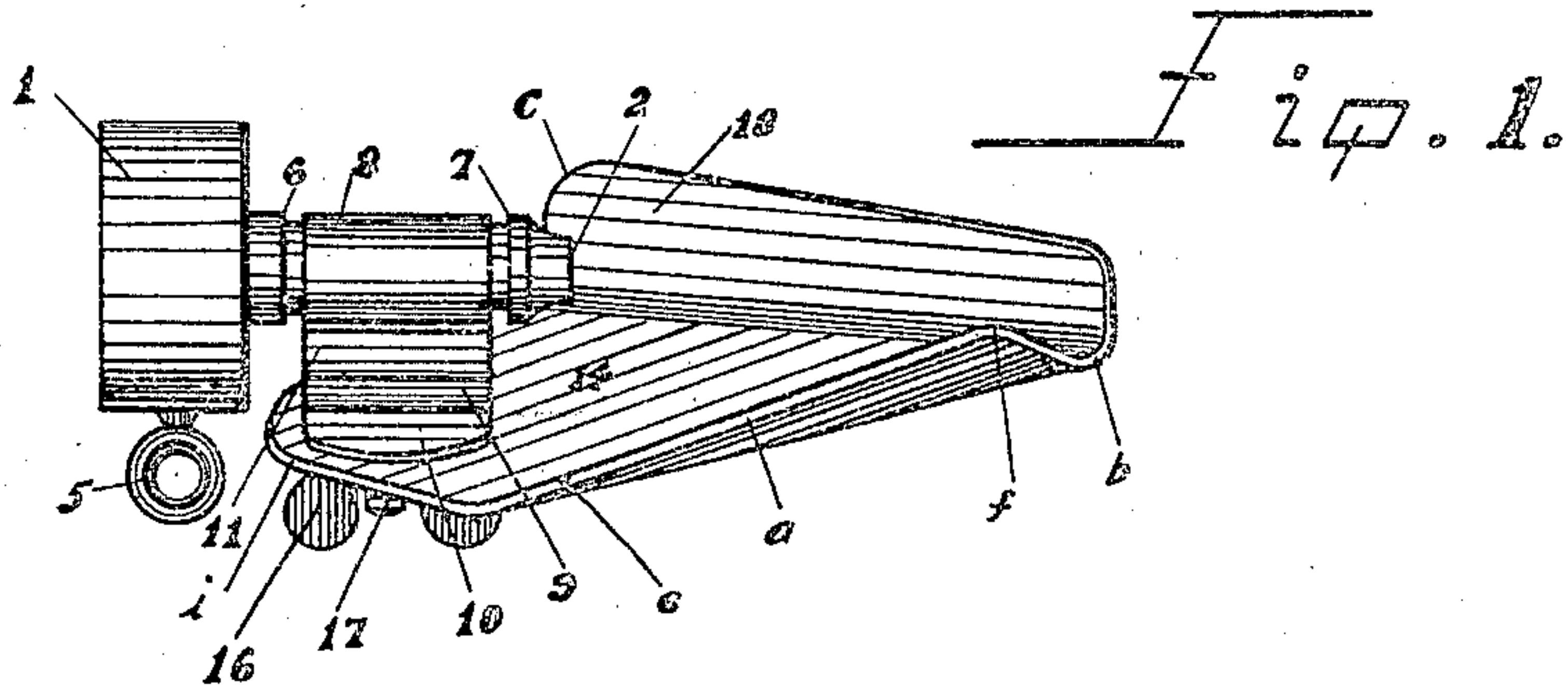


Fig. 2.

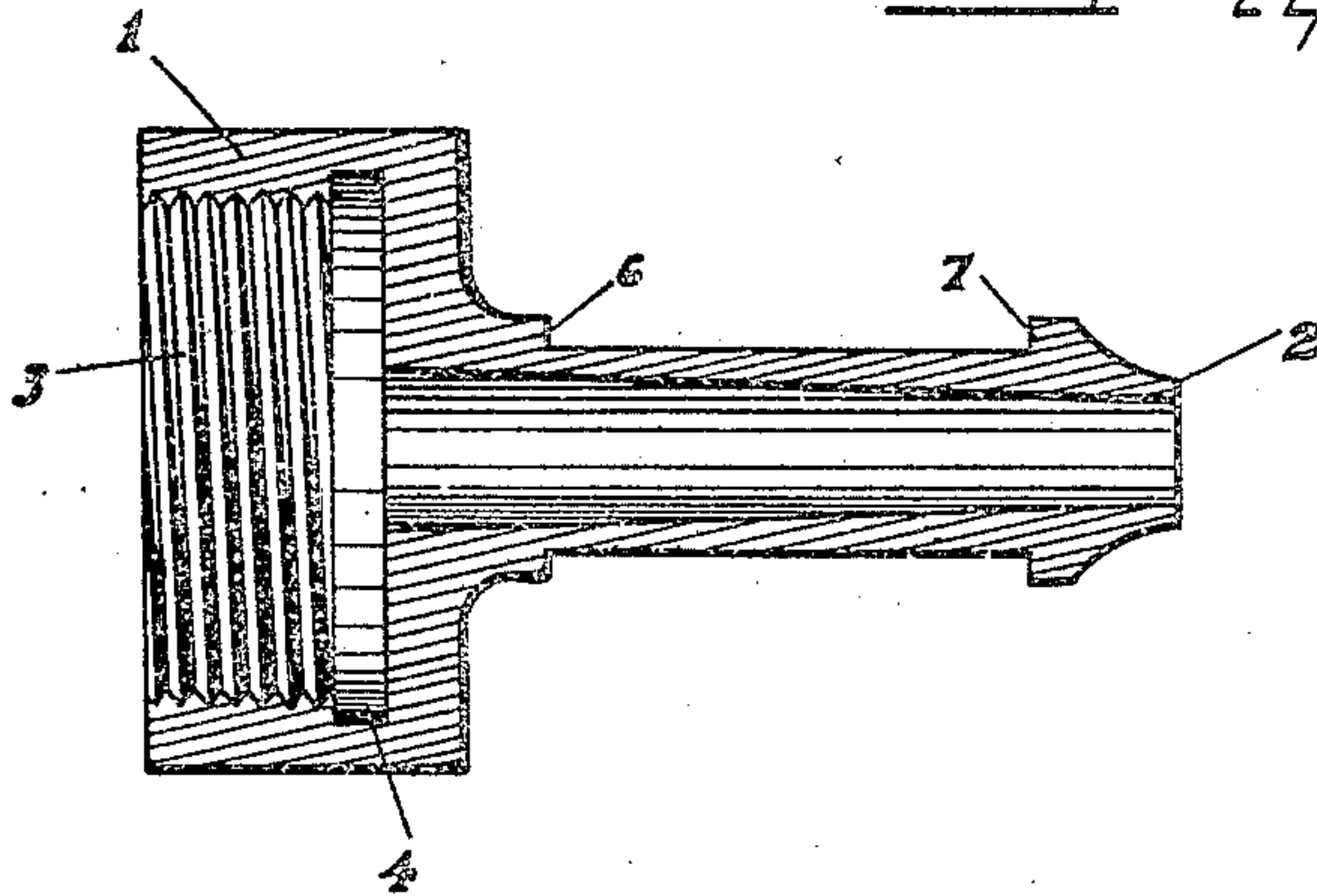
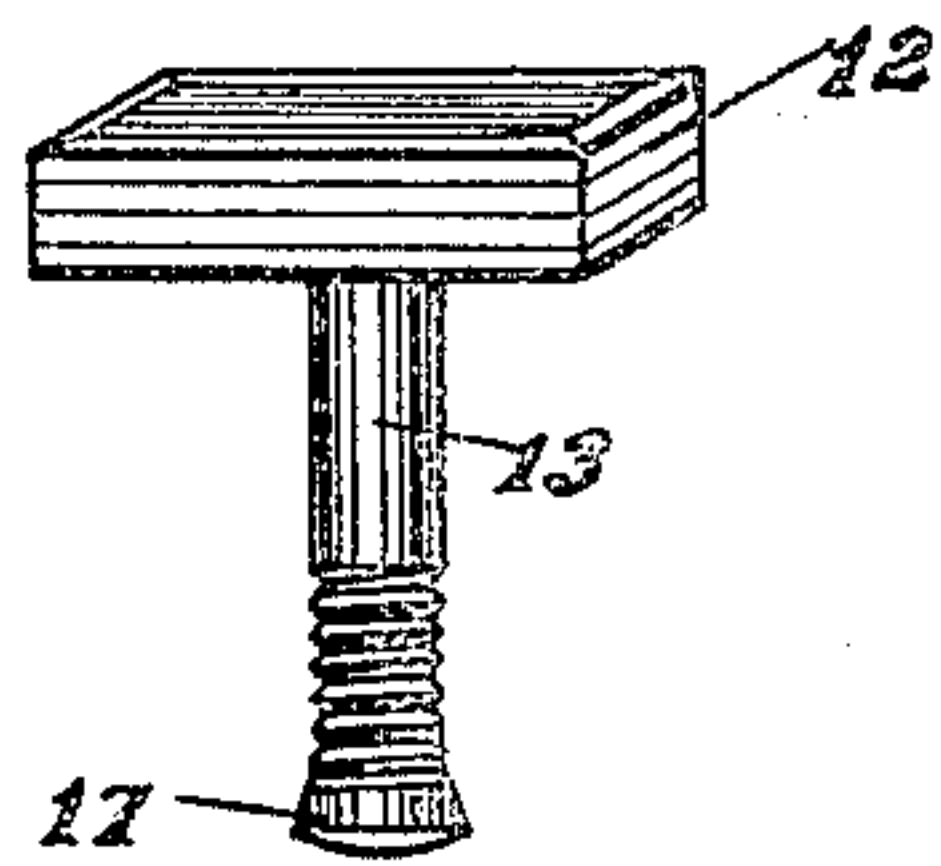
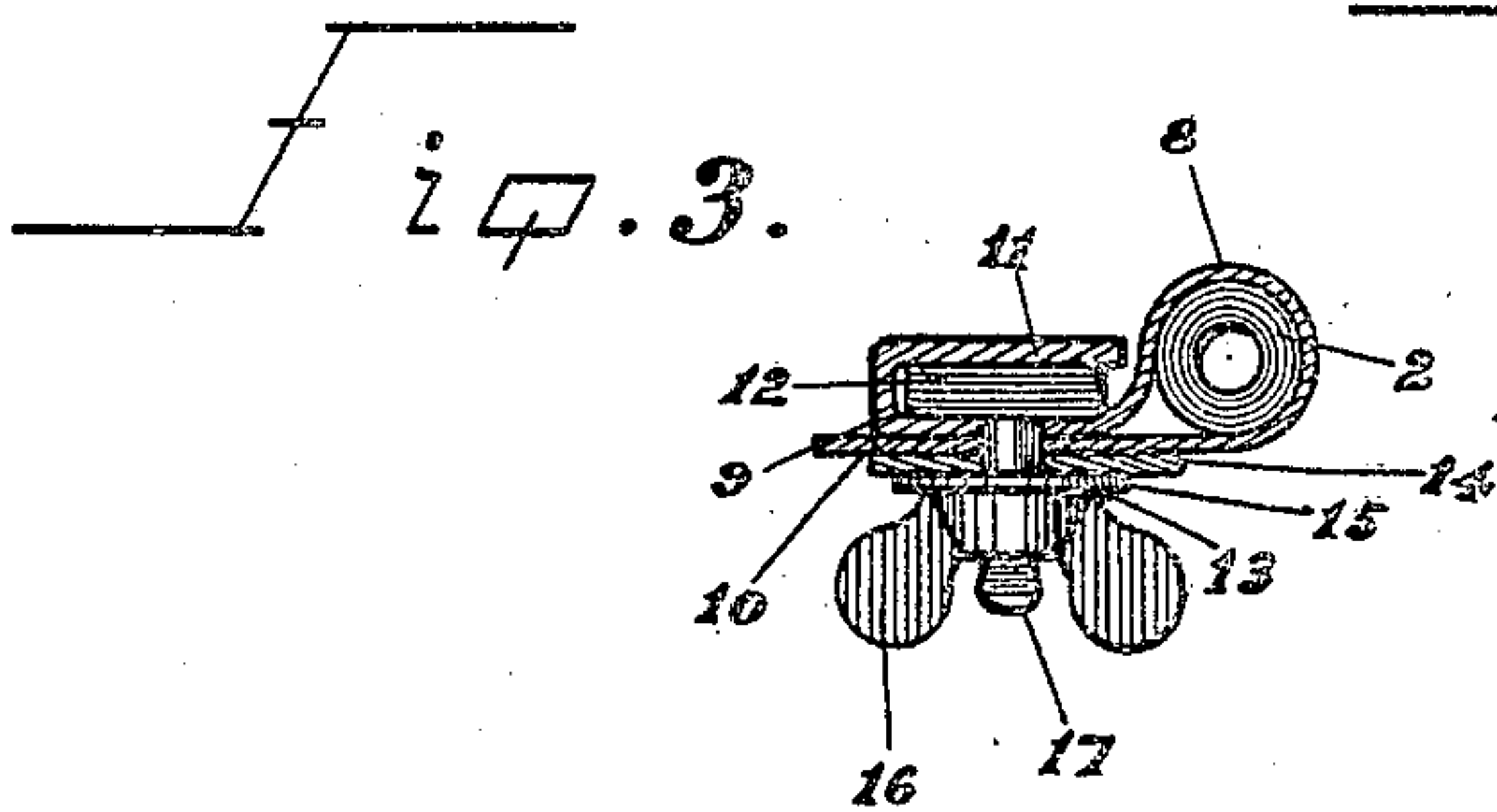


Fig. 4.



Witnesses
Wm. B. Griffin.

J. O. White

Inventor

Charles C. Corlew.

By *Benjamin H. Hester*
Attorney

UNITED STATES PATENT OFFICE.

CHARLES C. CORLEW, OF FRESNO, CALIFORNIA, ASSIGNOR TO GLADYS CORLEW, OF FRESNO, CALIFORNIA.

SPRINKLER.

958,229.

Specification of Letters Patent.

Patented May 17, 1910.

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To all whom it may concern:

Be it known that I, CHARLES C. CORLEW, a citizen of the United States, residing at Fresno, in the county of Fresno and State of California, have invented certain new and useful Improvements in Sprinklers; and I do declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this application.

This invention relates to sprinklers or sprays used on hydrants or hose for watering lawns, gardens and the like; the object of the invention being to produce such a sprinkler or spray as will have a ready and quick adjustability of the spray lip or guide, such lip or guide having several points of contact for the stream of water whereby several different classes of sprays can be obtained, the most important of these being a means whereby the stream or spray can be directed right along the edge of a lawn or garden, and inward thereon without spraying or throwing any of the water onto the sidewalk or other places where it is not wanted. This last object is of especial importance since most sprinklers cannot be controlled to prevent them from throwing the water onto the walks or other places and thus pedestrians get wet and discomfited and it is generally a nuisance, and in some cities is unlawful. Also in preventing the water from spraying against houses or other structures the feature is a good one since the action of the water is of course injurious to said houses or other structures.

A further object of the invention is to produce such a sprinkler as will be simple and inexpensive and yet exceedingly effective for the purposes for which it is designed. These objects I accomplish by such structure and relative arrangement of parts as will fully appear by a perusal of the following specification and claims.

In the drawings similar characters of reference indicate corresponding parts in the several views.

Figure 1 is a perspective view of the complete device. Fig. 2 is a sectional view of the coupling and nozzle of the sprinkler. Fig. 3 is a sectional view showing the clamp-

ing means between the nozzle and spray lip. Fig. 4 is a perspective view of an adjustment nut.

Referring now more particularly to the characters of reference on the drawings 1 designates the coupling of the nozzle 2, such coupling having the usual threaded portion 3 and an inner peripheral recess 4 of a greater depth than the depth of the threads 3 whereby the necessary washer can be inserted into said recess and be retained therein and not fall out every time the sprinkler is uncoupled from the hose as is now so often the case.

On the outside of the member 1 is a ring or eye 5 acting as a thumb piece for turning the coupling or for hanging it on a support or fastening to the ground with a peg or the like.

On the nozzle 2 are two flanges 6 and 7 spaced apart, intermediate which is disposed a normally turnable spring metal clamp 8 having projecting lips 9 and 10 and the upper lip 9 curving back as at 11 over a cross head 12 and an adjustment bolt 13 which projects through said lips 9 and 10, a spray lip 14, a washer 15 and on its lower end it carries an adjustment wing nut or similar means 16, the lower end of said bolt 13 being flared as at 17 to prevent said wing nut 16 from coming off. The lip 14 is provided with an upwardly projecting side flange 18 on one side, the outer edge of said lip being bent upward as at "a", such edge having an outer point "e" and on its inner edge "f" it bends downward to form a channel "b" between it and the flange 18.

In practice the clamp 8 can be turned freely on the bolt 13 to turn the nozzle 2 in any direction desired and the structure of the lip 14 permits many varied sprays, viz: The nozzle can be directed against the inner edge "c" of the flange 18 thus dividing the spray and throwing it in two distinct directions. Or the spray can be directed right along the flange 18 thus permitting the spray to throw along the edge of a garden or lawn and inward therefrom without spraying onto an adjacent sidewalk or structure, the groove "b" directing such aligned spray while the corner "f" and edge "a" throw the water in a fine and soft spray over the surface to be sprinkled. If a fine spray of drops is desired, the stream can be directed against the corner "e", while

if the straight nozzle stream is desired, the nozzle 2 can be turned to throw clear over the side "i" which has no projections to divide or spray the stream.

5 Any fixed position can be attained by screwing up the wing nut 16 which clamps the lip 14 to the lips 9 and 10 if it is desired to secure the lip 14 from turning on the nozzle 2 then said nut 16 can be secured
10 tight enough to make the clamp 9 rigid on such nozzle 2.

From the foregoing description it will be readily seen that I have produced a simple and inexpensive sprinkler and one which
15 gives a variety of sprays and fully accomplishes all the objects of the invention, as set forth herein.

While this specification sets forth in detail the present and preferred construction
20 of the device, still in practice such deviations from such detail may be resorted to as do not form a departure from the spirit of the invention.

Having thus described my invention what

I claim as new and useful and desire to secure by Letters Patent is:— 25

1. A sprinkler comprising a nozzle, an adjustable spray lip on said nozzle, a side flange on said lip, the side opposite the flange being upturned forming a channel
30 between said flange and said upturned portion.

2. A sprinkler comprising a nozzle having flanges spaced apart a turnable spring clamp turnably disposed between said flanges, projecting lips on said clamp, a bolt projecting
35 through said lips and having an elongated head, one of said lips turning back over said head, a spray lip on said bolt, and a wing nut on said bolt adapted to clamp all of said
40 lips together.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES C. CORLEW.

Witnesses:

PERCY S. WEBSTER,
WM. B. GRIFFIN.