No. 860,445. PATENTED JULY 16, 1907.

C. C. CHENEY.

LAWN SPRINKLER.

APPLICATION FILED JUNE 7, 1906.

FIG. 2.

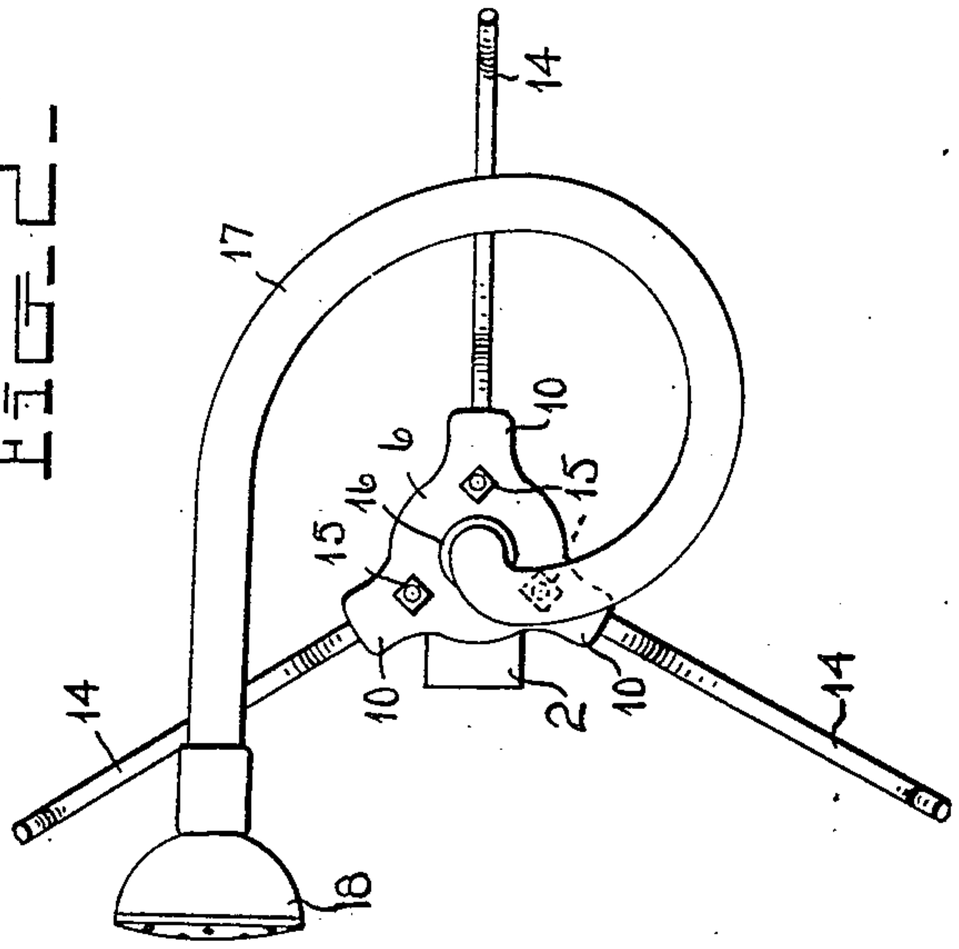


FIG. 3.

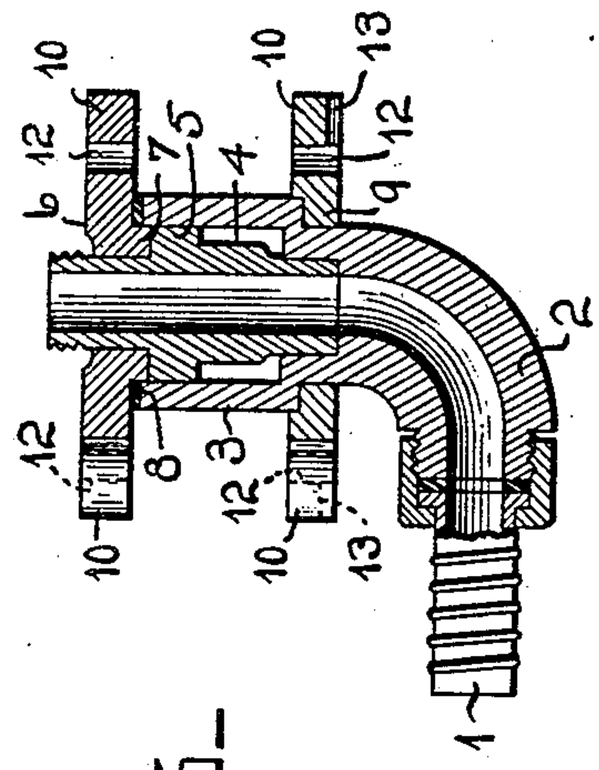
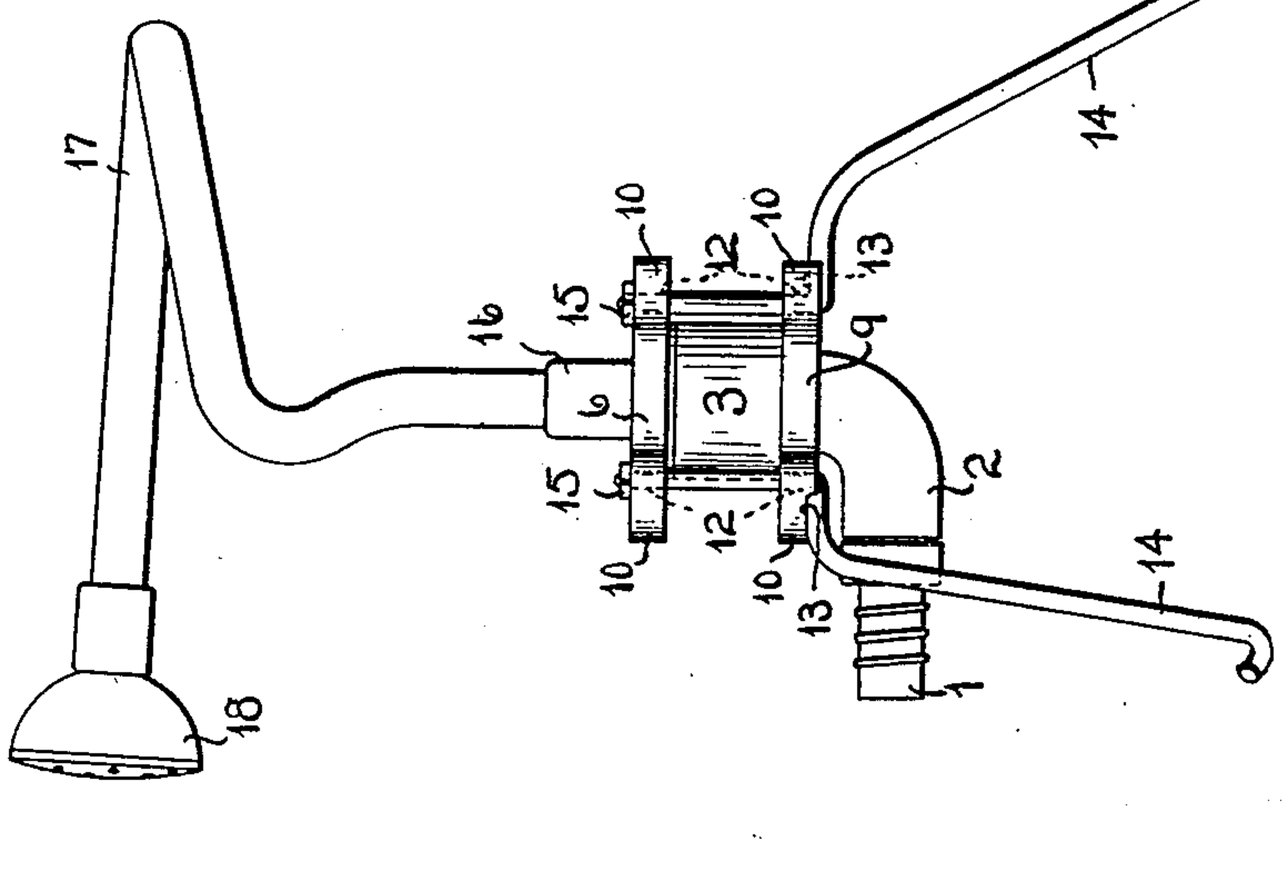


FIG. 1.



Witnesses
L. B. James
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UNITED STATES PATENT OFFICE.

CHARLES C. CHENEY, OF SAN JOSE, CALIFORNIA.

LAWN-SPRINKLER.

No. 860,445. Specification of Letters Patent. Patented July 16, 1907.

Application filed June 7, 1906. Serial No. 320,575.

To all whom it may concern:

Be it known that I, CHARLES C. CHENEY, a citizen of the United States, residing at San Jose, in the county of Santa Clara and State of California, have invented certain new and useful Improvements in Lawn-Sprinklers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in lawn sprinklers.

The object of the invention is to provide a lawn sprinkler which may be readily moved about and which will be automatically operated by the pressure of the water passing through the same to throw a stream or spray over a very large surface.

With the above and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings:—Figure 1 is a side view of the sprinkler constructed in accordance with the invention; Fig. 2 is a top plan view of the same; Fig. 3 is a vertical sectional view through the coupling and supporting mechanism of the sprinkler.

Referring more particularly to the drawings, 1 denotes a hose coupling, to which is connected an elbow 2. On the upper end of the elbow 2 is formed a socket 3, in which is adapted to be inserted a sprinkler coupling 4. Said coupling is adapted to revolve in the socket 3. On the coupling 4 substantially midway between its ends is formed an annular flange 5, which is adapted to snugly fit within the upper end of the socket 3, as shown. On the coupling 4 above the flange 5 is arranged an upper clamping plate 6, on the lower side of which and engaging the flange 5 is an annular boss 7, around which and between the upper end of the socket and the lower side of the plate 6 is arranged a rubber gasket or washer 8.

On the elbow 2 below the socket 3 is arranged a lower clamping plate 9, said plate being provided on its upper side with an annular recess to receive the lower end of the socket. The clamping plates 6 and 9 are provided with radially projecting ears or lugs 10, in which are formed alined apertures 12. On the under side of the lugs or ears 10 of the lower clamping plate 9 are formed grooves or recesses 13, which form seats for the shoulders or offset portions of radially-projecting supporting legs 14. The upper ends of the legs 14 are bent at right angles and inserted through the alined apertures 12 of the clamping plates 6 and 9, said right angularly-projecting ends being threaded to receive nuts 15, which are screwed thereon and into engagement with the upper clamping plate, as shown, thereby securely binding the plates together and clamping the coupling 4 into engagement with the socket 3.

The upper end of the sprinkler coupling 4 is threaded, and on said threaded end is screwed a union 16, that is engaged by the lower threaded end of the sprinkler tube 17. The sprinkler tube 17 may be of any suitable shape, but is here shown and is preferably bent in the form of a spiral or coil, thereby said sprinkler tube and coupling will be rapidly revolved in the socket 3 by the pressure of water passing through said tube which will cause the water discharged from the outer end of the tube to be thrown over a large area. In the outer end of the tube is arranged a spray nozzle 18, which is here shown in the form of a rose, but which may be of any suitable construction.

A sprinkler constructed as herein shown and described will be comparatively simple and inexpensive in construction, efficient in operation and well adapted to the purpose for which it is designed.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention, as defined by the appended claims.

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

1. A lawn sprinkler comprising a hose coupling, a socket on the coupling, a sprinkler coupling revolubly mounted in the socket, clamping plates arranged on the sprinkler coupling and in engagement with the socket, apertured ears formed on the clamping plates, supporting legs having threaded ends inserted through the apertures in the ears, nuts screwed on to the threaded ends of the legs to force the plates together and hold the parts revolubly assembled, and a sprinkler tube connected to the sprinkler coupling.

2. A lawn sprinkler comprising a hose coupling, a socket on said coupling, a sprinkler coupling revolubly mounted in said socket, clamping plates arranged on said sprinkler coupling and in engagement with said socket, apertured ears formed on said clamping plates, supporting legs having upwardly-projecting right angularly bent threaded ends adapted to be inserted through the apertures in the ears of said clamping plates, nuts adapted to be screwed onto the threaded ends of said legs, whereby said plates are forced together and the parts engaged thereby revolubly connected together and supported, and a sprinkler tube connected to said sprinkler coupling, substantially as described.

3. A lawn sprinkler comprising a hose coupling, a socket

on said coupling, a sprinkler coupling revolubly mounted in said socket, clamping plates arranged on said sprinkler coupling and in engagement with said socket, apertured ears formed on said clamping plates, supporting legs having upwardly-projecting right angularly bent threaded ends adapted to be inserted through the apertures in the ears of said clamping plates, nuts adapted to be screwed onto the threaded ends of said legs, whereby said plates are forced together and the parts engaged thereby revolubly connected together and supported, a coiled sprinkler tube connected to said sprinkler coupling, and a spray nozzle arranged in the outer end of said sprinkler tube, substantially as described.

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

CHARLES C. CHENEY.

Witnesses:
D. D. TENNYSON,
J. G. BASILE.