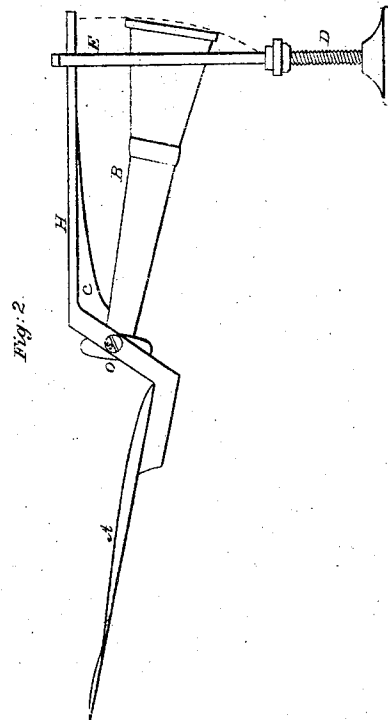
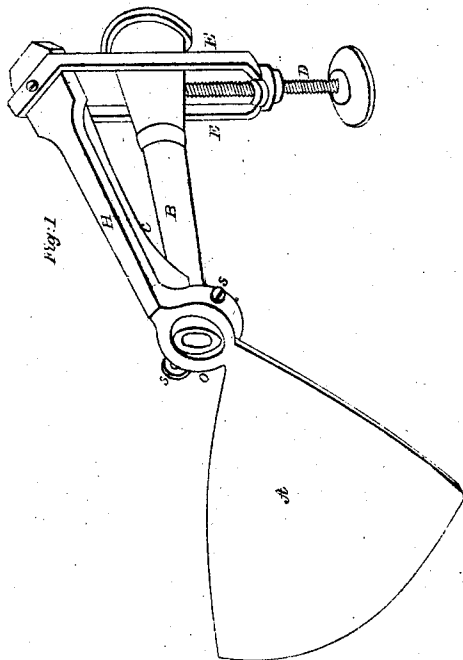
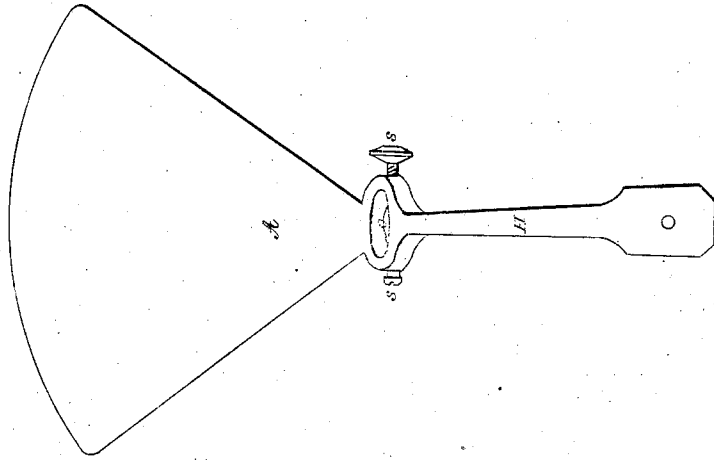
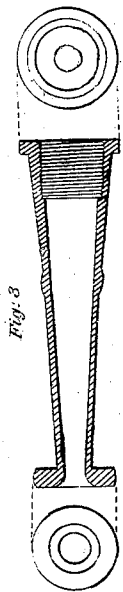


R. HOLLINGS.
HOSE PIPE.

No. 9,520.

Patented Jan. 4, 1853.



UNITED STATES PATENT OFFICE.

RICHARD HOLLINGS, OF BOSTON, MASSACHUSETTS.

HOSE-PIPE.

Specification of Letters Patent No. 9,520, dated January 4, 1853.

To all whom it may concern:

Be it known that I, RICHARD HOLLINGS, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and Improved Mode of Regulating the Spread of Water when Discharged from a Hose-Pipe; and I do declare that the following is a full and exact description thereof.

10 The nature of my invention consists in hanging a flat spreading pan to the nose of the hosepipe, in such manner as to admit of vibration, in combination with adjusting apparatus for varying its position, so that
15 as the water, when discharged from the pipe, strikes more or less directly upon said pan, it is spread into a sheet, of greater or less expanse. The construction and operation of all which, is as follows:

20 The instrument is made of brass, and consists of a flat triangular shaped pan, (marked A, in the drawings) having a handle at one angle, and raised lateral edges. The handle (marked H, in the drawings) is
25 similar in shape to the handle of a shovel, having, through its curve, just above the pan, a round aperture or collar, (marked O, in the drawings) of sufficient size to admit the nose of the hosepipe. A thin curved
30 strip of brass (marked C, in the drawings) is affixed to the under side of the handle, for the purpose of a spring, one end of which presses against the nose of the hosepipe when inserted in the aperture, above described. An oblong circular frame (marked
35 E in the drawings) is affixed to the extremity of the handle, depending perpendicularly therefrom, and of such size and shape, as to encircle the hosepipe and allow it to move
40 up and down. A thumbscrew (marked D in the drawings) having a double thread, passes up perpendicularly through the base of the above described frame, and bears upon the hose pipe, when inserted through
45 said frame and collar. The hosepipe (marked B in the drawings) being so inserted, is sustained and kept in place by small screws or pins (marked s in the drawings) which pass through each side of said

collar (O), and bear upon the nose of the hosepipe, and at the same time, allow it to vibrate. Then, according as said thumbscrew (D) is turned, the handle of the pan, and the pipe, are approximated, or separated, and the pan itself elevated or depressed.

The utility of the invention, consists in this,

That instead of throwing a stream of water in a single column, and thereby covering a surface only of the size of the hosepipe, a broad sheet of water may be discharged upon an extended surface, at the same moment, with nearly the same force and effect as if thrown in a column, thereby effecting a great saving of time and of water. By means of the adjusting apparatus above described, the elevation and depression of the pan, and consequently the spread of the water, is regulated and
70 steadied with precision and certainty, which could not be effected simply by hand pressure. In cases of fire, moreover, where it would often be impossible, on account of the proximity of the flame for the holder of the hosepipe, to keep his hand sufficiently near
75 the nose of the pipe to regulate the spread by hand pressure, the spread being modulated by means of said adjusting apparatus, the holder of the hose need expose himself 80 to the flames no more than he would be obliged to if the spread were not attached.

I call the invention "the regulating water spread," and it is intended to be applied to the extinguishment of fires, and the watering of streets, gardens, &c.

What I claim as my invention, and desire to secure by Letters Patent, is—

Hanging the spread (A) to the hosepipe by means of pins passing through the collar (O) (which allow it to vibrate), in combination with adjusting apparatus for varying the position of the spread, in the manner specified.

RICHARD HOLLINGS.

Witnesses:

SETH J. THOMAS,
GEO. H. KINGSBURY.