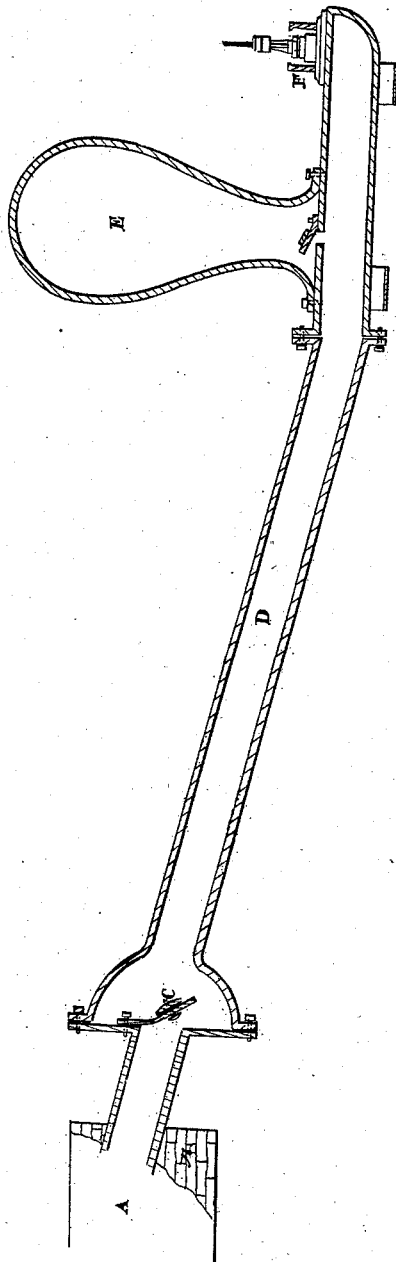


W Fields, Jr.

Hydraulic Ram.

Nº 7,918,

Patented Jan. 28, 1851.



UNITED STATES PATENT OFFICE.

WM. FIELDS, JR., OF PROVIDENCE, RHODE ISLAND.

HYDRAULIC RAM.

Specification of Letters Patent No. 7,918, dated January 28, 1851.

To all whom it may concern:

Be it known that I, WILLIAM FIELDS, Jr., of the city and county of Providence and State of Rhode Island, have invented a new and useful Improvement to the Hydraulic Ram; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification.

I claim as my invention and improvement—

The hinge-valve C opening upwardly and inwardly, at or near the upper end of the inclined-plane or drive-pipe C, D, of the hydraulic-ram; said valve being placed in a box made of brass or any other suitable materials, which valve by closing on the re-

action of the water in the drive-pipe, prevents the said reaction from disturbing the water in the spring or reservoir. The box of said valve is bolted to the drive-pipe as represented in the annexed drawing, and said valve may be a hinge valve or any other suitable valve.

For the more clear and certain understanding of the drawings, I would state, that A, represents the water of the spring or reservoir; B, the dam; C, the valve for which I desire a patent; C, D, the inclined-plane or drive-pipe; E, the air-chamber of the ram; F, the waste-water valve.

WILLIAM FIELDS, JUN.

Witnesses:

SYCARGAS SAYLES,
JOHN R. RANDOLPH.