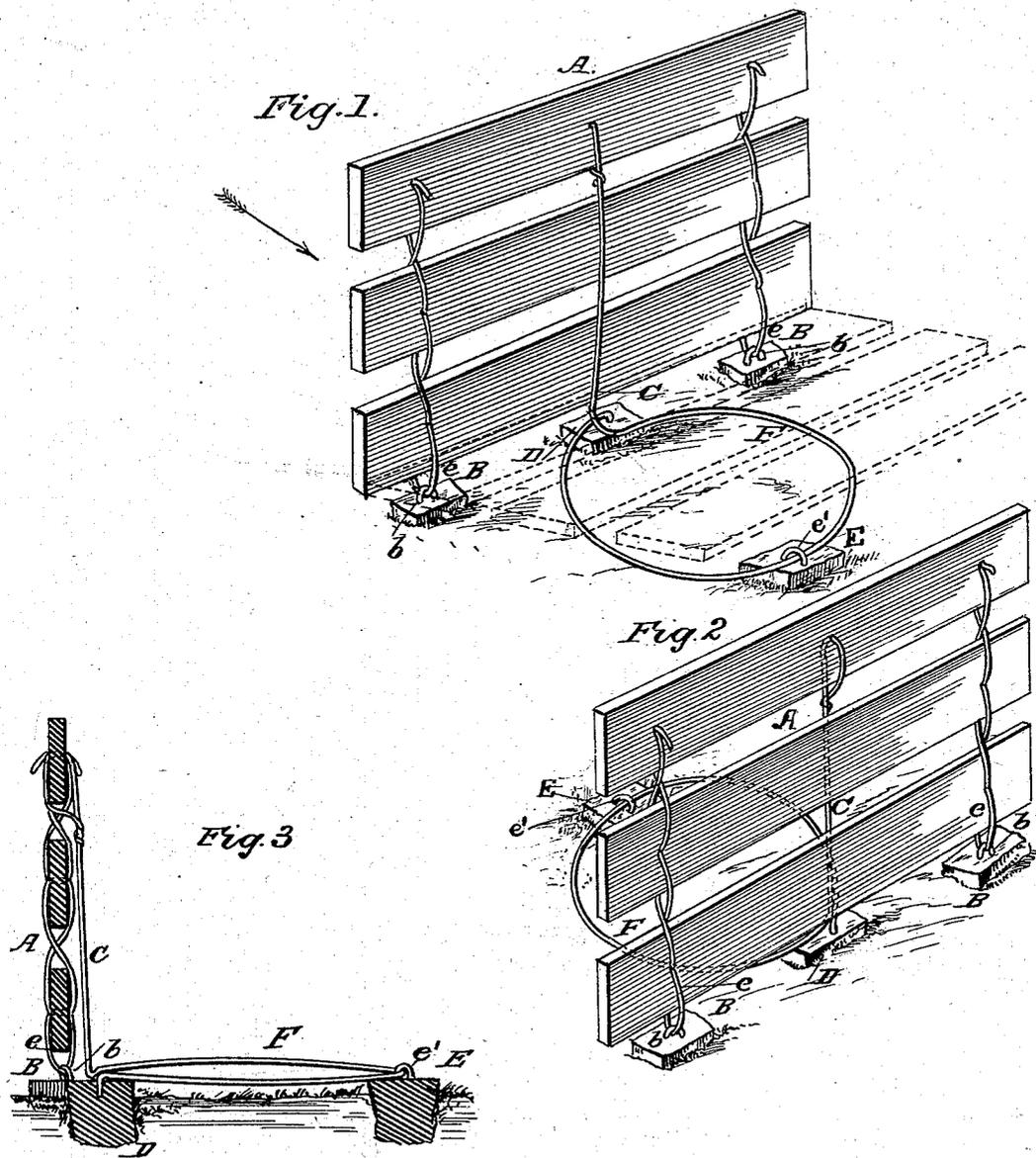


(No Model.)

E. S. GARRETT.
FLOOD FENCE.

No. 293,003.

Patented Feb. 5, 1884.



WITNESSES:

And. S. Deterich
J. T. Power

Elisabeth S. Garrett
INVENTOR.
By Louis Ragner & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

ELISABETH S. GARRETT, OF DOWNEYVILLE, INDIANA.

FLOOD-FENCE.

SPECIFICATION forming part of Letters Patent No. 293,003, dated February 5, 1884.

Application filed July 12, 1883. (No model.)

To all whom it may concern :

Be it known that I, ELISABETH S. GARRETT, of Downeyville, in the county of Decatur and State of Indiana, have invented certain new and useful Improvements in Flood-Fences; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved flood-gate. Fig. 2 is a similar view from the opposite side, and Fig. 3 is a vertical cross-section.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to improvements in so-called "flood-gates" or "water-fences;" and it consists in the improved construction and combination of parts of the same, as herein-after more fully described and claimed.

In the accompanying drawings, A represents the panel of my improved flood-gate, which may consist of horizontal boards or rails, as in the drawings, or it may be composed of upright pickets, if desired. B B are anchors of stone or other suitable material, in the top of which staples *b b* are secured. A panel, A, is fastened to the two anchors by means of hinges formed by two loops of heavy wire, *e e*, attached to the lower board or rail of the panel, one near each end, and passing through the staples *b b*. The spring C, which serves to keep the panel in a vertical position, is formed of a slender steel rod, fastened at one end to the center of the upper board or rail of the panel, passing down below the bottom of the panel, where it is bent at right angles and turned to form a circular loop, F, the free end of the rod being secured in an anchor, D, of stone or other suitable material, placed between the two anchors B B, at an equal distance from each.

The flood-gate is anchored in the stream in the position shown in Fig. 1, the arrow indicating the direction of the current. During floods the pressure of the water will overcome the resistance of the spring, and gradually force the gate down until it occupies the position shown in dotted lines in Fig. 1.

As the flood subsides and the pressure of the water gradually decreases, the spring (which is of sufficient strength to hold the panel in a vertical position, or approximately so) will gradually raise the panel until it resumes its normal position. The end of the loop farthest from the panel is fastened to a staple, *e'*, secured in a suitable anchor, E, as shown in the drawings. This device serves to still further strengthen the panel against any unusual pressure, as of cattle or other stock, which might swim against that side of the panel to which the spring C is affixed.

From the foregoing description of my invention, taken in connection with the drawings hereto attached, the operation of my improved flood-gate will readily be understood.

It will be seen that my improved gate is exceedingly simple in construction, and that it is devoid of all complicated parts, which, especially in a gate used for this purpose, are apt to become rusted and get out of order, thus rendering such gates worthless. My improved gate, however, having all its parts simple in construction, is not apt to get out of order, and will last much longer than gates not so constructed.

I am aware that flood-fences have been heretofore constructed provided with a spring for holding the gate in its vertical position, which is adapted to yield to any unusual pressure of the water, and restore the gate to its normal position when such unusual pressure has been removed; and I do not therefore claim such construction, broadly; but

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

In a flood-gate of the described construction, the combination of the hinged panel A, anchors B B and D, spring C, bent to form the loop F, and anchor E, having staple *e'*, for holding the loop F in position, constructed and arranged to operate substantially in the manner and for the purpose shown and described.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

ELISABETH S. GARRETT.

Witnesses:

MARY A. W. SCOBEE,
MARY L. SCOBEE.