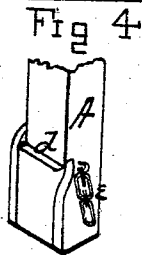
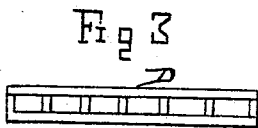
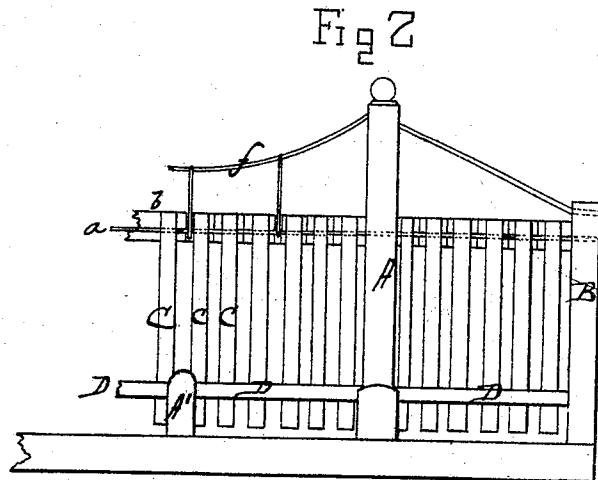
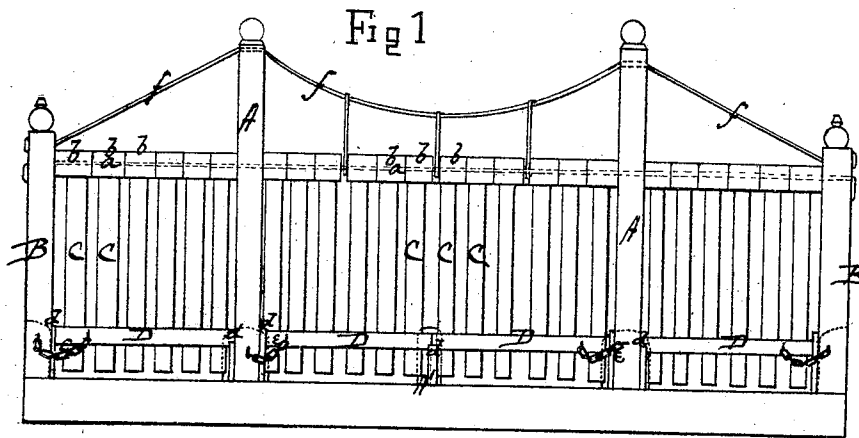


R. S. GILCREST.

Improvement in Flood-Fences.

No. 123,889.

Patented Feb. 20, 1872.



Witnesses:

Frank L. Ourand
T. L. Ewert

Inventor

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Attorneys.

UNITED STATES PATENT OFFICE.

ROBERT S. GILCREST, OF DE GRAFF, OHIO.

IMPROVEMENT IN FLOOD-FENCES.

Specification forming part of Letters Patent No. 123,889, dated February 20, 1872.

To all whom it may concern:

Be it known that I, ROBERT S. GILCREST, of De Graff, in the county of Logan and in the State of Ohio, have invented certain new and useful Improvements in Combined Flood-Gate and Fence; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of a self-operating wire-suspension flood-gate and fence, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side view of my flood-gate and fence. Fig. 2 is a view of the opposite side of the same; Fig. 3 is a plan view of a string-board used to hold the lower ends of the palings in low or ordinary stages of water, and Fig. 4 is a perspective view of the lower end of one of the posts.

A A and B B represent posts firmly planted on either side of the stream the required distance for gate and fence, the gate requiring the two long posts A A, as shown. Through the posts A A and B B, above high-water mark, passes a horizontal cord of compound or single wire, *a*. To this cord the palings C C are attached by means of cleats *b b*, which form the hinges and space the palings, each paling floating free on the surface of the water in time of danger. The lower ends of the palings are securely fastened in low or ordi-

nary stages of water by string-boards D D, which receive the ends of the palings, and are laid in notches or rests *d d* formed on the posts. Between the high posts A A, may be planted one or more short posts, A', if the distance is too great to form rests for the string-boards between said high posts. The string-boards D D, are attached by chains *e e* to the posts so that they cannot float away. When the water rises so as to float the string-boards away from their rests or fastenings, they slip off the palings and leave the palings free. After the water falls the string-boards are to be replaced by hand. Through the top of the long posts passes the suspension cord *f*, dipping down between them. To this the horizontal cord *a* is fastened, as shown. Guy-ropes are to be used in long spans.

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

1. In combination with a flood-gate, composed of a series of palings hung and swinging independently of each other upon a horizontal wire, I claim the string-boards D D, to hold and secure the palings so as to form a fence, substantially as herein set forth.

2. The combination of the posts A B, wires *a f*, palings C C, cleats *b b*, string-boards D D, rests *d d*, and chains *e e*, all constructed and arranged substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 21st day of October, 1871.

ROBT. S. GILCREST.

Witnesses:

EPHRAIM B. REEVES,
DAN. S. SPELLMAN.