

Campbell & Watson,

Flood Fence.

No. 107,659.

Patented Sept. 27, 1870.

Fig. 2.

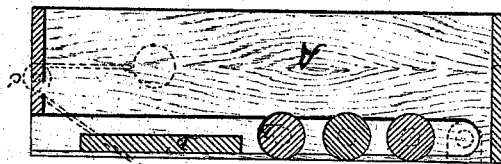
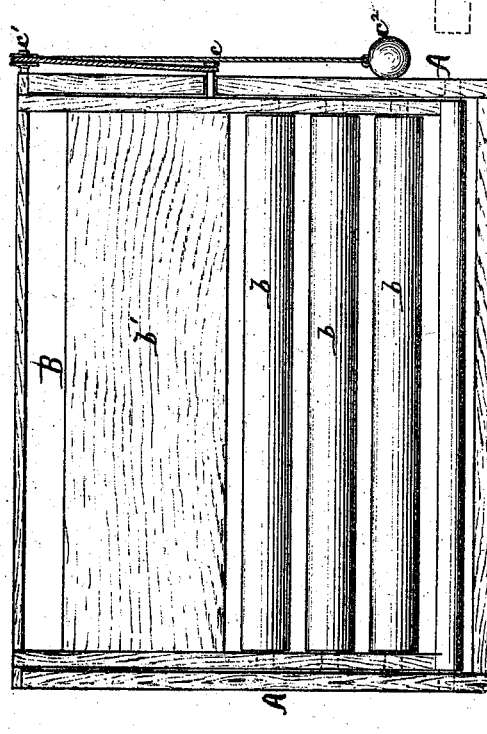


Fig. 1.



Witnesses:
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United States Patent Office.

JOHN CAMPBELL AND ADDISON WATSON, OF LONDON, OHIO

Letters Patent No. 107,659, dated September 27, 1870.

IMPROVEMENT IN FLOOD-GATES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, JOHN CAMPBELL and ADDISON WATSON, of London, in the county of Madison and State of Ohio, have invented a new and useful Improvement in Flood-Gate; and we do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

This invention consists of a flood-gate of peculiar construction, which is used in connection with a chain and weight. The details of construction and manner of operation will be fully described hereinafter.

In the drawing—

Figure 1 represents a front elevation of my improved flood-gate; and

Figure 2, a transverse sectional elevation of the same.

To enable others skilled in the art to make and use our invention, we will now proceed to describe fully its construction and manner of operation.

A A represent two posts, which are firmly set into the earth upon each side of the stream.

B represents the gate, which consists of the rollers *b b b*, securely journaled in the gate-frame, and the board *b'*, as shown.

The gate itself is also securely journaled in the posts A A at its lower edge, in such manner as to swing out from the post at the top.

c represents a chain or rope, one end of which is securely attached to the gate-frame.

This passes over the roller *c'*, attached to one of the posts A, and has attached to its free end a weight, *c''*, as shown.

The operation is as follows:

The stream of water, when low, passes through between the rollers *b b b*. When, however, its volume is increased, the gate yields to the pressure, and swinging out from the posts, permits the flood to pass, the rollers enabling any matter that might otherwise be caught, to pass freely over them. As soon as the extreme pressure is removed by the passage of the flood the weight draws the gate again to place. This gate may be easily constructed at small expense, and it is not at all liable to get out of order.

Having thus fully described our invention,

What we claim as new, and desire to secure by Letters Patent, is—

The gate B, with rollers *b b* and board *b'*, when combined with the posts A and used with the chain and weight, the parts being arranged as described, for the purpose set forth.

This specification signed and witnessed this 3d day of May, 1870.

Witnesses:

WM. BLAKE,
B. BLAKE.

JOHN CAMPBELL.
ADDISON WATSON.