

Wm C. Hopwood.

116445

Water-Gate.

PATENTED JUN 27 1871

Fig. 1

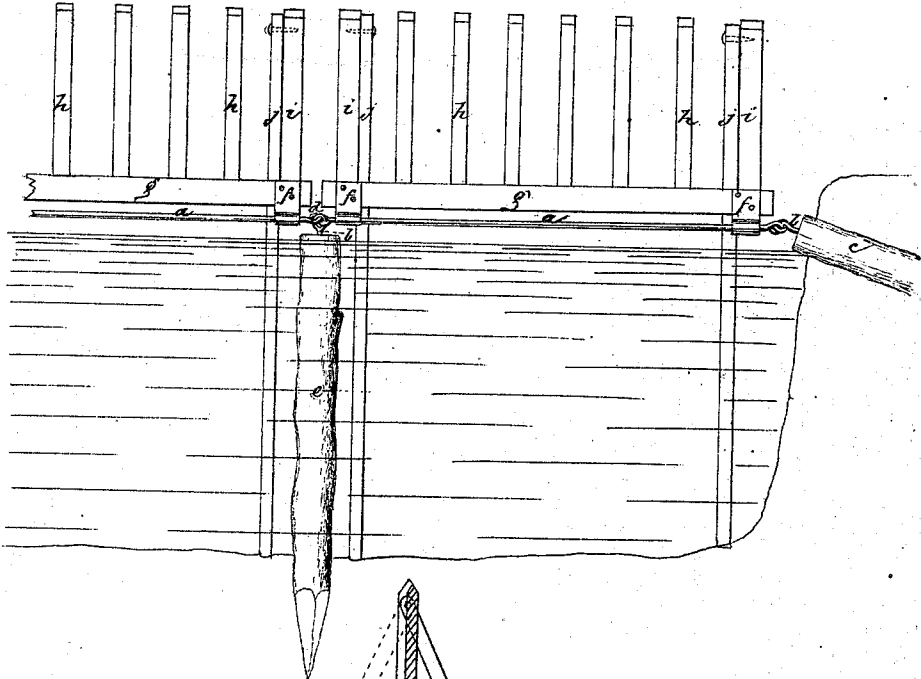
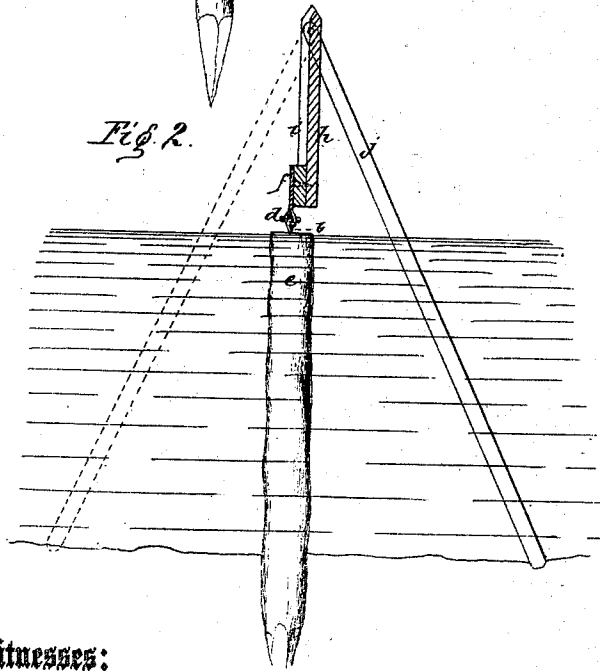


Fig. 2



Witnesses:

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# UNITED STATES PATENT OFFICE.

WILLIAM C. HOPWOOD, OF FILLMORE, INDIANA.

## IMPROVEMENT IN WATER-GATES.

Specification forming part of Letters Patent No. 116,445, dated June 27, 1871.

*To all whom it may concern:*

Be it known that I, WILLIAM C. HOPWOOD, of Fillmore, in the county of Putnam and State of Indiana, have invented a new and Improved Water-Gate; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a side elevation, and Fig. 2 is a transverse vertical section.

This invention consists in the combination of a gate for water-course fences with an iron rod stretched across the stream, either in one piece or in as many different sections as may be necessary, said rod being properly fastened at its ends to the banks of the stream, and at as many intermediate points as may be expedient to posts or stones in the bed of the stream; the gate aforesaid being also combined with braces, which, when the water is low, rest on the bottom of the stream and keep the gate upright.

Referring to the drawing, *a a* are the sections of the spanning-rod, the same being connected by eyes at its extremities, with staple-bolts *b*, which are driven into posts *c* set in the banks, or into large stones, or into trees, as may be most con-

venient, the sections *a* being connected at their adjacent ends by eyes *d*. *e* is a post, set in the bed of the stream, and having an eyebolt, *b*, driven into its top, with which eyebolt are connected the eyes *d*. *f f* are hinges, jointed to the sections *a*, and secured to the ends of the horizontal beam *g* of each section of the gate, to which beam the lower ends of the slats *h* are fastened. *i i* are pieces of scantling parallel to the slats, secured to the ends of the beam *g*, to the outer ends of which scantlings are jointed the upper extremities of the braces *j* that keep the gate upright at low water. When the water rises it carries down stream the lower ends of the braces *j*, so that the gate falls into the water and is not injured by drifting stuff passing over it.

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

The arrangement of the spanning-rod *a*, supporting-posts *c e*, beams *g*, hinges *f*, slats *h*, scantlings *i*, and braces *j*, as specified.

WILLIAM C. HOPWOOD.

Witnesses:

GEORGE H. FREEMAN,  
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