

J. Leutheermann.

Water Gate.

N^o 81,180.

Patented Aug. 18, 1868.

Fig. 2

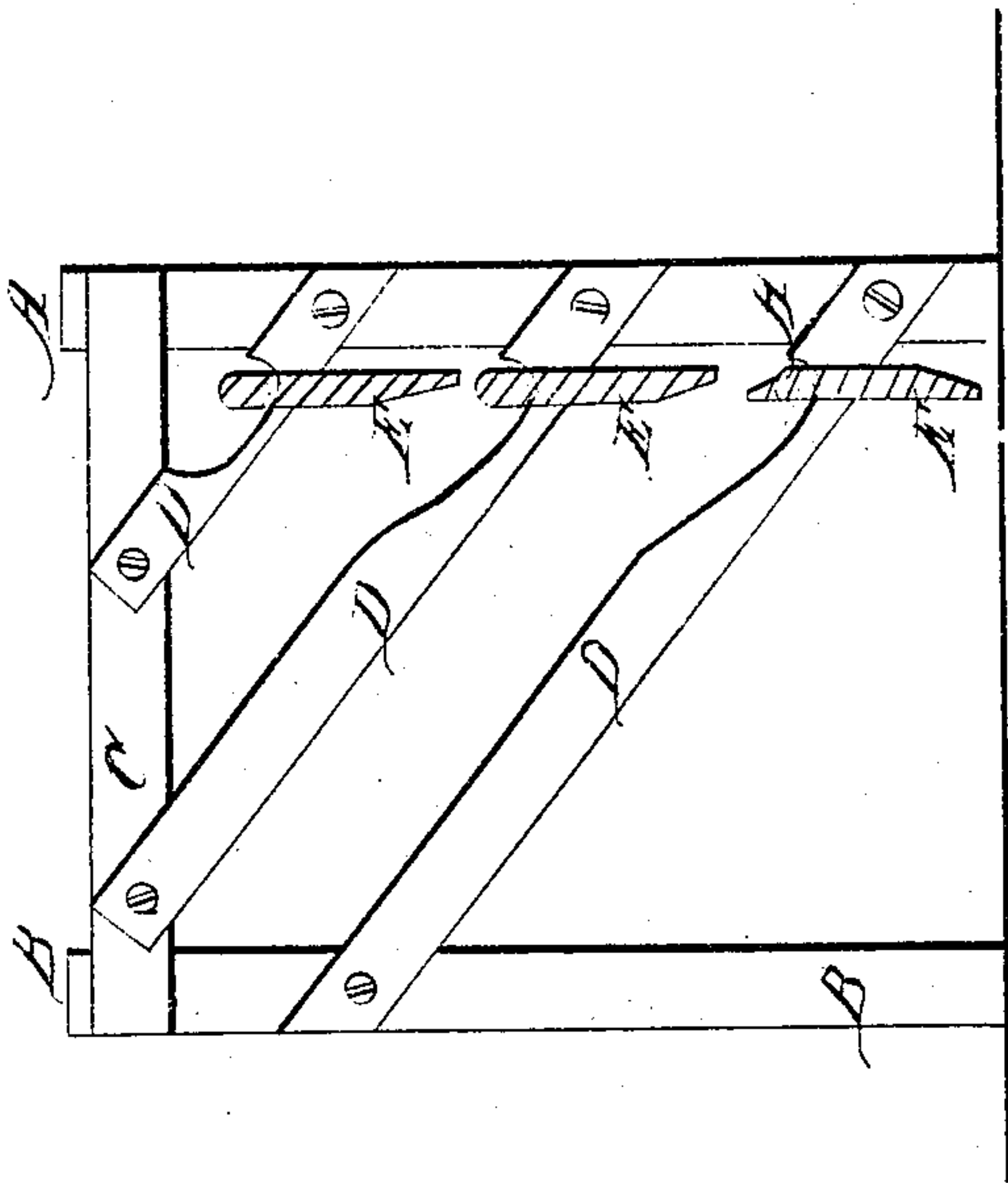
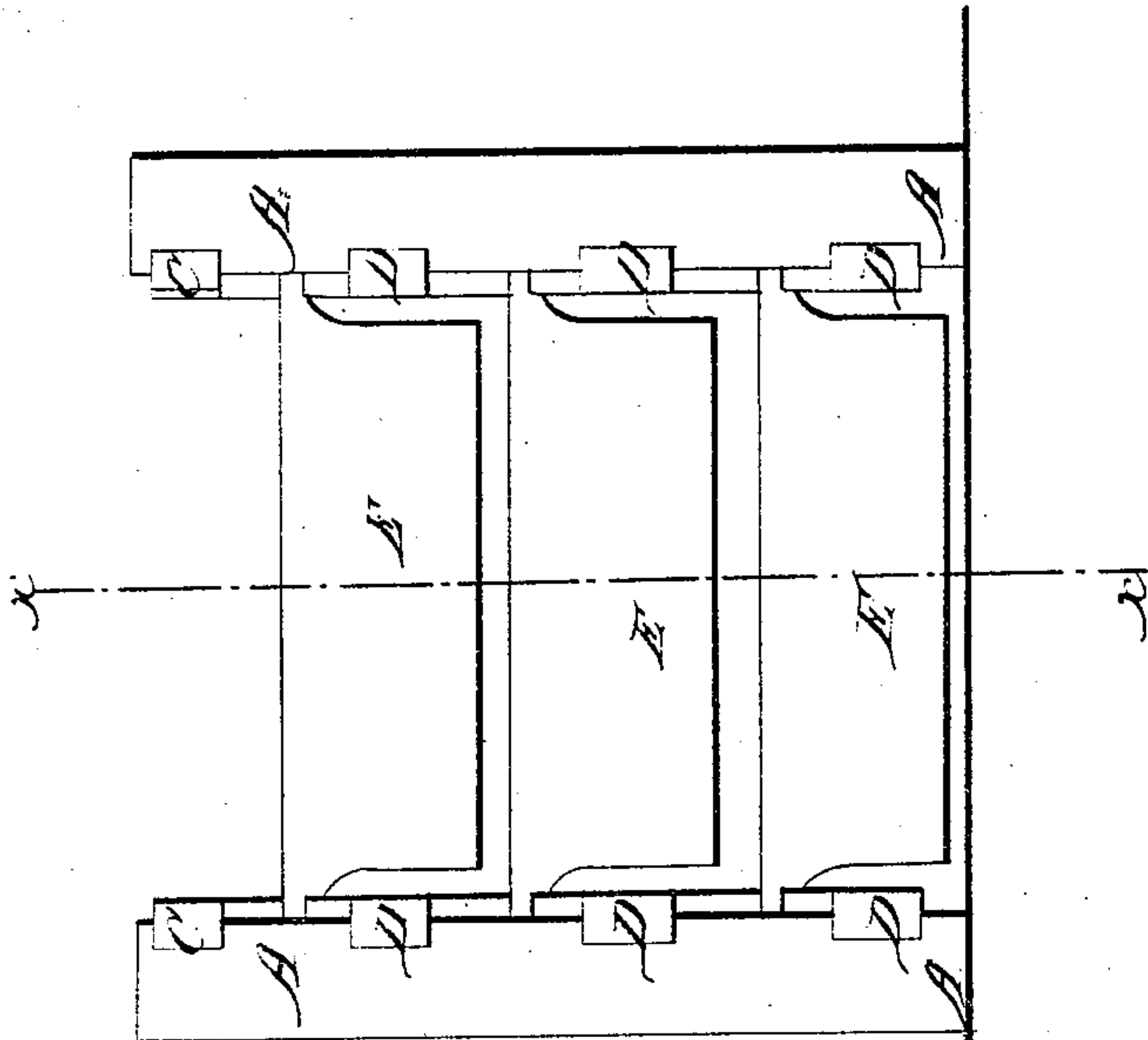


Fig. 1



Witnesses
H. C. Ashkettle
Wm. A. Morgan

Inventor:
J. Leutheermann
per Murray & Co.

United States Patent Office.

JOSEPH LEATHERMAN, OF NAPOLEON, OHIO.

Letters Patent No. 81,180, dated August 18, 1868.

IMPROVED FLOOD-GATE.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOSEPH LEATHERMAN, of Napoleon, in the county of Henry, and State of Ohio, have invented a new and improved Flood-Gate; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a side view of my improved flood-gate looking down stream.

Figure 2 is a detail sectional view of the same, taken through the line *x x*, fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved flood-gate for use upon brooks, creeks, and other streams, which shall be so constructed that the bars may rise and fall with the rise and fall of the water, and which will allow drift to pass through without becoming choked up; and it consists in the construction and combination of the various parts, as hereinafter more fully described.

A are the main posts of the gate, and which are securely set in the ground. B are two auxiliary posts, which are set at a short distance from the posts A, and the upper ends of which are connected with the upper ends of the said main posts A by the cross-bars C.

D are inclined bars, the lower ends of which are securely attached to the main posts A, and upper ends of which are securely attached to the auxiliary posts B, or to the cross-bars C.

E are the bars which extend across the stream, and the lower parts of the ends of which are cut away, so as to leave arms at their upper edges, which rest in the angle between the lower ends of the inclined bars D and the posts A, as shown in fig. 2. This allows the lower edge of said bars E to hang vertical, when not acted upon by the water.

As the water rises, the bars E at first take a horizontal position, and as the water continues to rise, the bars E, one after another, and each independent of the other, rise along the inclined bars D, allowing the water to have free course.

In case any drift floating in the stream should be carried against the gate, it raises the bars E, which immediately drop to their places upon the passage of the said drift, thus keeping the gate always free.

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

1. An improved flood-gate, formed by the combination of the posts A, auxiliary posts B, cross-bars C, inclined bars D, and hanging bars E with each other, substantially as herein shown and described, and for the purpose set forth.

2. The inclined bars D, upon which the hanging bars E move up and down with the rise and fall of the water, substantially as herein shown and described, and for the purpose set forth.

The above specification of my invention signed by me, this 18th day of March, 1868.

JOSEPH LEATHERMAN.

Witnesses:

B. F. STOUT,

C. E. REYNOLDS.