2 Sheets—Sheet 1.

H. A. HENDERSON.

Gate.

No. 81,501. Patented Aug. 25, 1868.

Fig. 1.

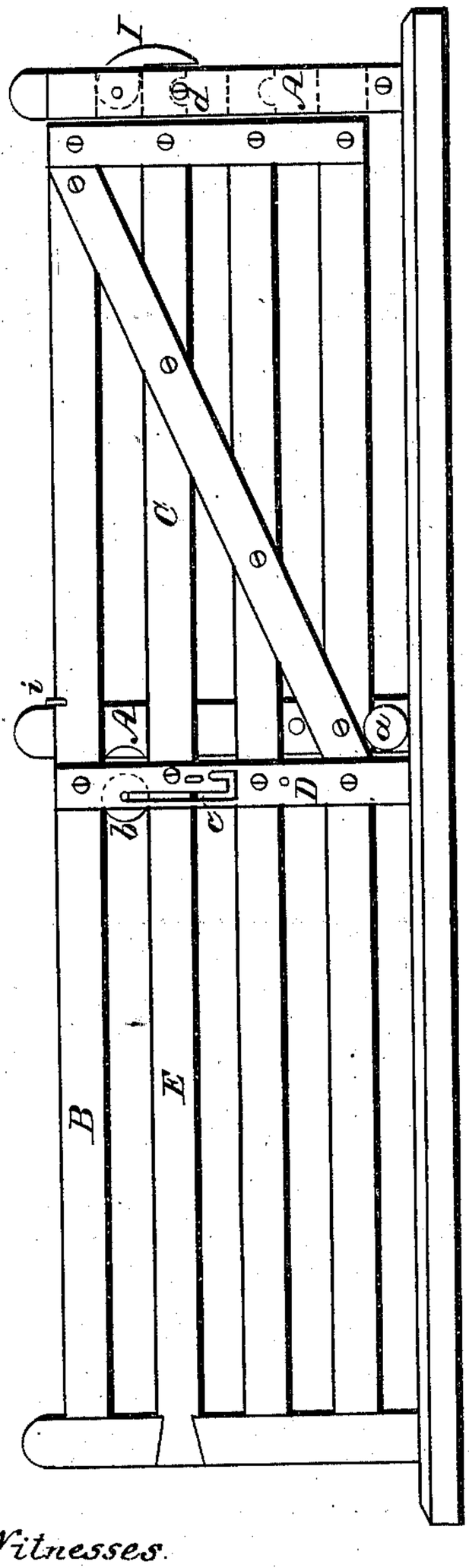
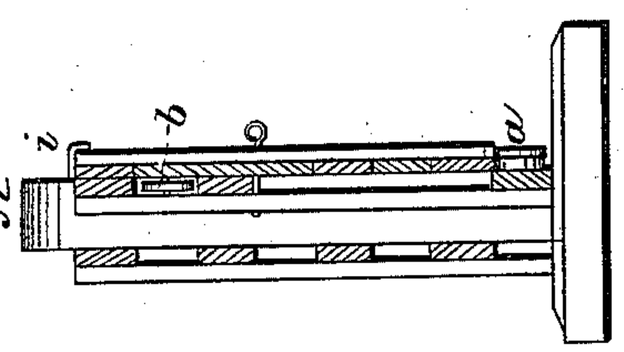


Fig 2.



Witnesses.

Harry King

Leopold Cuno.

Inventor.

Henry A. Henderson

per

Alexander Mason.

Attys.

2 Sheets—Sheet 2.

H. A. HENDERSON.

Gate.

No. 81,501. Patented Aug. 25, 1868.

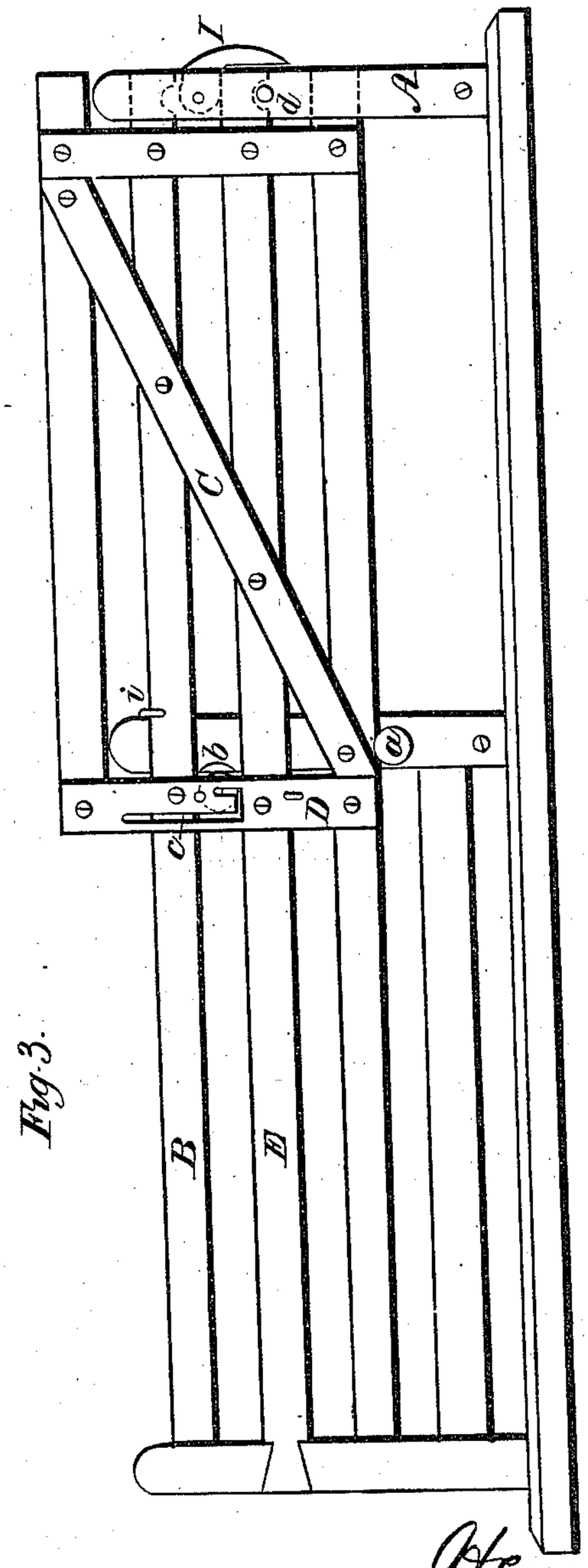


Fig. 3.

Witnesses.

Henry King.

Leopold Evertz.

Inventor.

Henry A. Henderson

per Alexander Mason Atty.

United States Patent Office.

HENRY A. HENDERSON, OF AVOCA, NEW YORK.

Letters Patent No. 81,501, *dated August* 25, 1868.

IMPROVEMENT IN 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 I, HENRY A. HENDERSON, of Avoca, in the county of Steuben, and in the State of New York, have invented certain new and useful Improvements in Gates; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the construction of a sliding gate, in such a manner that when raised up for winter, it can still be slid backward and forwards, the same as when the gate is down in its proper position.

In order to enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation, referring to the annexed drawings, which form a part of this specification, and in which—

Figure 1 is a front view of the gate,

Figure 2 a side view of the same, and

Figure 3 a front view of the gate when raised for winter.

A A represent the gate-posts, B one length of fence, and C the gate.

The back part, D, is constructed of two posts, put together with pieces between them at the top and bottom, but leaving a space between them, in which the rail E on the fence runs, said rail being an extra one.

The two posts which form the back part of the gate are slotted in such a manner that the slots *c* run perpendicularly, then, at their lower end, a short distance horizontally, and then upwards again a suitable distance. The pulley *b* which runs on the rail E, and has its journals in the said slots *c*, thus allows the gate to be slid backwards and forwards, and when it is desired to raise the gate for the winter, the journals of this pulley are brought into the shorter perpendicular slot, as shown in fig. 3.

The gate is supported by a movable pulley, *a*, which is put under the bottom rail in the gate-post, and may be moved up on said post when the gate is raised. The hook *i* and top of the gate-post steady the gate in moving it.

Two of the rails of the gate are notched, so as to fit over the pin *d*, in the front gate-post, one when the gate is in its proper position, and the other when it is raised, and said gate is held closed by means of the cam-lever I, pressing the notched rails down on said pin.

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

The adjustable pulley *b*, running in the slot *c*, and on the rail E, in combination with the movable pulley *a* on the gate-post, for the purpose of allowing the gate to be slid backwards and forwards as well when raised as when in its proper position, substantially as herein set forth and described.

In testimony that I claim the foregoing, I have hereunto set my hand and seal, this 2d day of June, 1868.

HENRY A. HENDERSON. [L. S.]

Witnesses:

L. WILSON,

J. W. CALKINS.