WILLIAM C. STICKNEY.

Railroad Car Ventilator.

No. 125,855. Patented April 16, 1872.

Fig 1

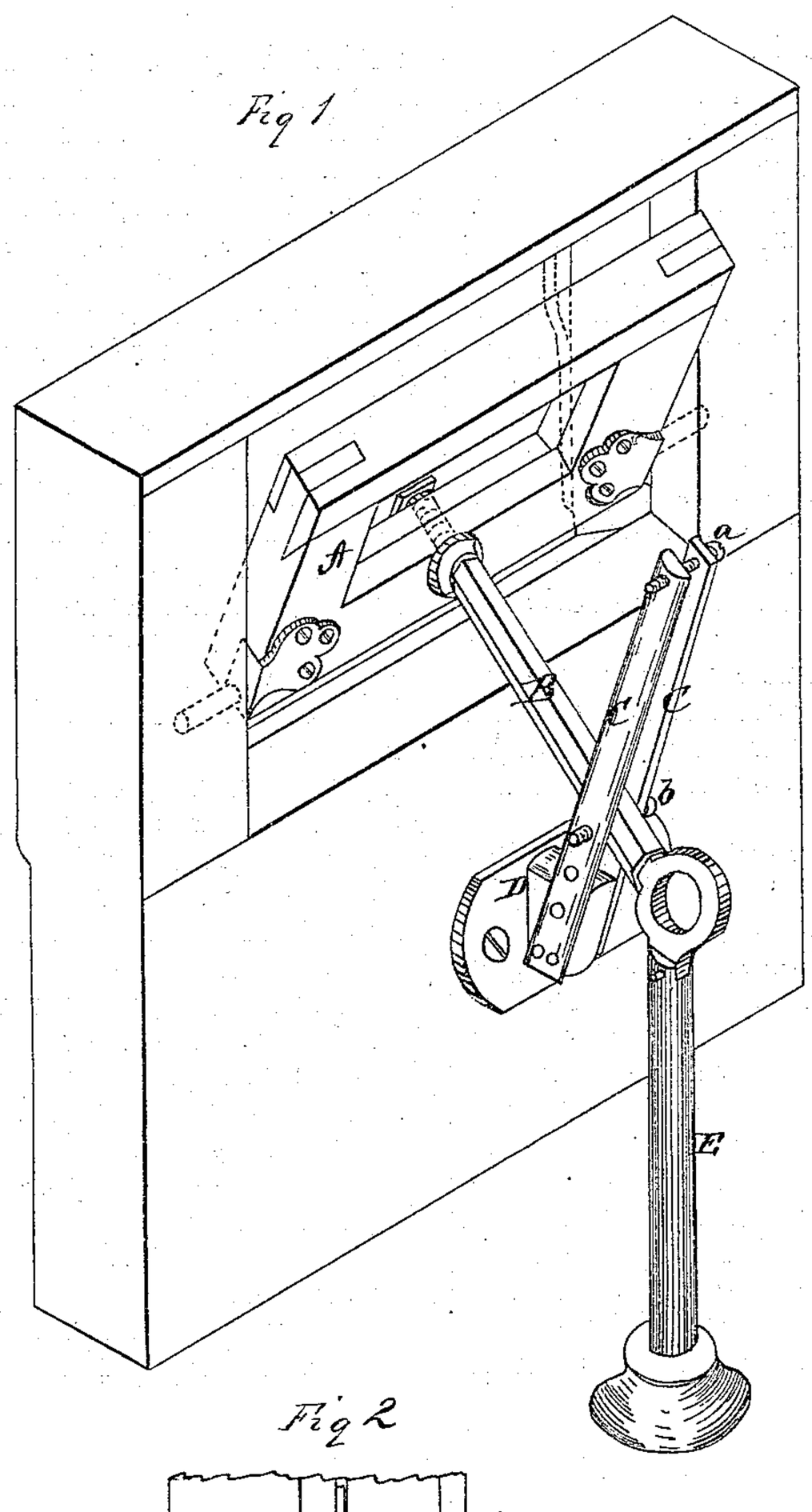
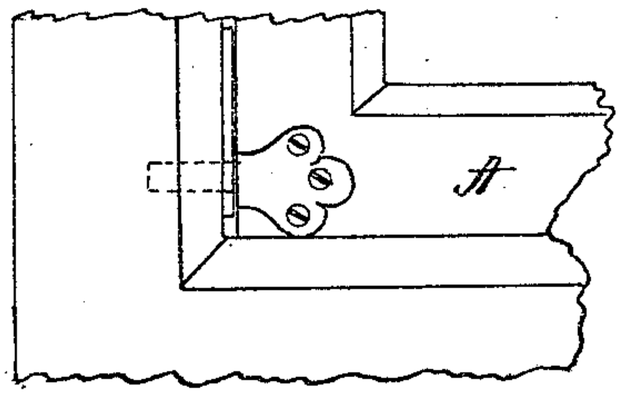


Fig 2



Witnesses:

Franck L. Durand

C. L. Ewert.

Inventor

Wm C. Stickney.

per

Alexander Dunbar

Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM C. STICKNEY, OF STEUBENVILLE, OHIO.

IMPROVEMENT IN RAILROAD-CAR VENTILATORS.

Specification forming part of Letters Patent No. 125,855, dated April 16, 1872.

To all whom it may concern:

Be it known that I, WILLIAM C. STICKNEY, of Steubenville, in the county of Jefferson and in the State of Ohio, have invented certain new and useful Improvements in Car-Ventilators; 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 "device for opening, closing, and holding at any desired position a pivoted or hinged ventilating sash, valve, or transom for railroad cars, boats, or houses," 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 perspective view of a ventilator with my device attached, and Fig. 2 shows one corner of the ventilator.

A represents a sash, valve, or transom hinged or pivoted in any of the known and usual ways. To this is, by screw and nut or screws, attached an arm, B, which passes between two parallel bars or plates, C C, or one plate and one spring, placed at a suitable angle below the sash A, and made sufficiently strong, so that the friction will hold the arm, and thereby the sash, valve, or transom at any angle it may be placed. The plates C C are secured to any suitable casting or support, D, attached to the wall under the sash. The movement of the sash is effected by means of a handle, E, pivoted to and depending from the outer end of the arm B. Or, if this handle be not used, a stick with a hook on the end may be used to push or pull the arm up or down, as desired, the arm being at its outer end provided with a ring to catch the hook in. The two plates C C, or their equivalents, may be connected by means of two screws, *a* and *b*. The screw *a* at the outer end is to regulate the pressure against the projecting arm B. The screw *b* at the lower end is for the double purpose of regulating the pressure and forming a stop. By having several holes in the plates the lower screw can be put in so as to stop the opening of the ventilator at any angle desired. These screws are not necessarily essential to the working of the device, as it can be made to work without them, yet the device is more perfect with them.

The device might be reversed by putting the two parallel arms on the sash, and the single arm on the frame or facing.

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

The arm B, rigidly attached to the window A and working between the friction-guides C C, when the parts are constructed and arranged substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand this 15th day of February, 1872.

WILLIAM C. STICKNEY.

Witnesses:

WM. F. DAVIDSON,

R. S. BROWNLEE.