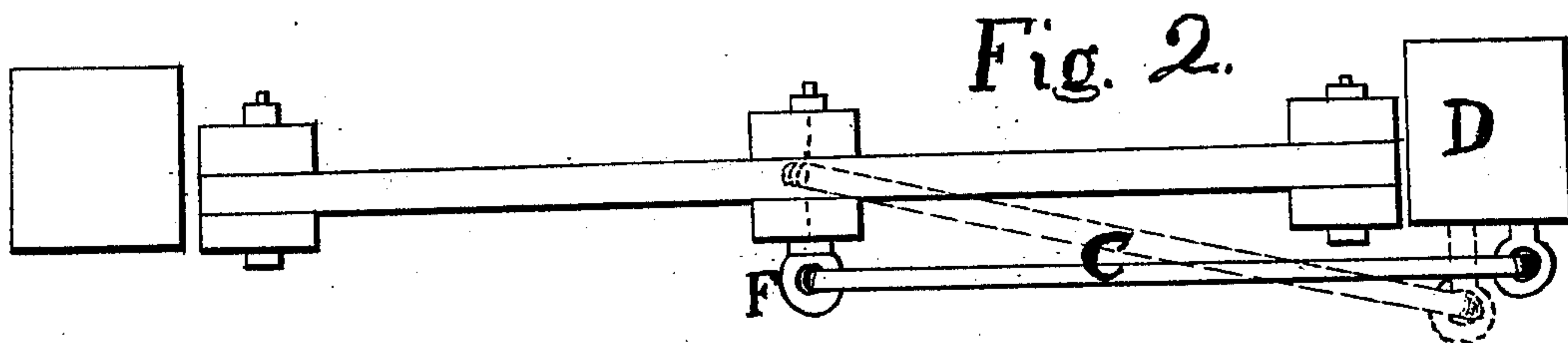
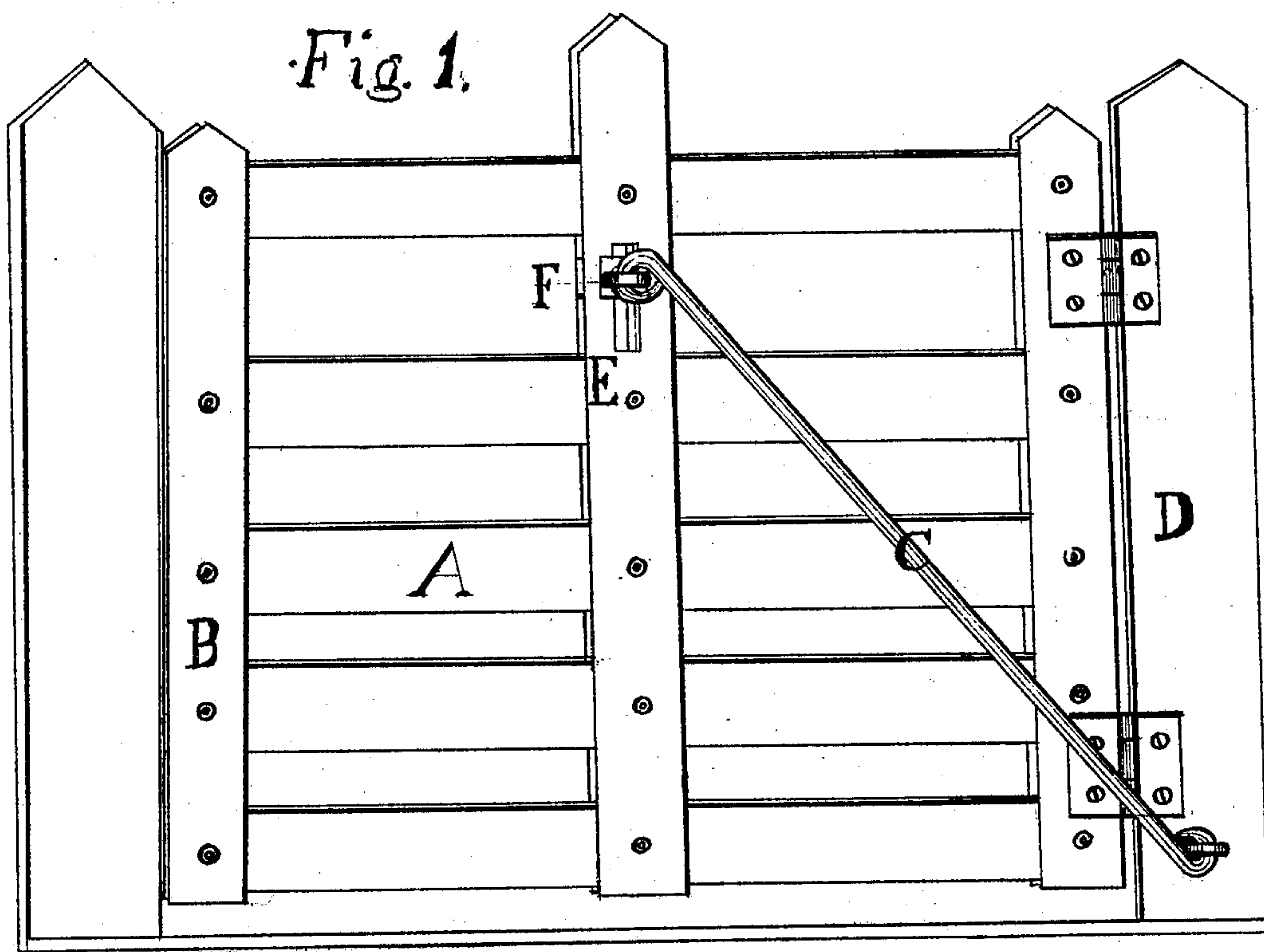


Gause & Currier,

Gate.

No. 109,198.

Patented Nov. 15, 1870.



Witnesses

Geo. W. Osborn
Jacob Eldridge

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Joseph L. Currier

Inventors

United States Patent Office.

WILLIAM GAUSE, OF INDIANAPOLIS, AND JOSEPH C. CURRYER, OF THORNTOWN, INDIANA.

Letters Patent No. 109,198, dated November 15, 1870.

IMPROVEMENT IN GATES.

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

We, WILLIAM GAUSE, of Indianapolis, in the county of Marion, and JOSEPH C. CURRYER, of Thortown, in the county of Boone and State of Indiana, have invented certain Improvements in Gates, of which the following is a specification.

Nature and Object of the Invention.

This invention relates to devices for supporting, adjusting, and closing gates; and

It consists in the construction of the gate, combined with the arrangement of a brace, which is so attached to the gate and to the posts to which the gate is hung that, when the gate is opened, the brace supports it in such position that the weight of the gate operates to close it by its own gravity, the brace being also arranged so as to support the opening end of the gate at any desired elevation, as hereafter described.

Description of the Accompanying Drawing.

Figure 1 is an elevation of a gate embodying our invention.

Figure 2 is a plan view of the same.

General Description.

As represented, the gate is constructed of horizontal bars, A, pivoted by any suitable bolts to the three double uprights B, as shown.

The gate is constructed of the horizontal bars A and vertical bars B, pivot-bolted together in such a manner that, when the gate is hung by the style to the post in the usual manner, the opposite end can be raised or lowered for such purposes as may be required.

In order to make the gate automatically closing, we apply a brace, C, the lower end of which is pivoted to the hanging-post D, near the bottom, and the upper end to the vertical center-bar E, near the upper part of the gate, as shown.

The arrangement of the brace C, in connection with the construction of the gate, in the manner described, is such that, while it serves the purpose of a brace to support and prevent the gate from sagging, it also, at the same time, operates to raise the opening end of the gate as the latter is being opened, so that nearly the entire weight of the gate is supported by the

brace, and the latter being arranged so that, in all positions of the gate, it is inclined to the horizontal as well as the vertical plane of the gate. The weight of the latter is supported on the upper end of the brace, the inclination and arrangement of which are such as to push the gate toward the plane of the former; hence, when the gate is opened, and its weight supported by the brace thus arranged, its inclination is to fall shut by its own gravity.

The upper end of brace C is attached to an eye or bolt, F, which is arranged to be adjusted vertically, so that, in case the gate sags, it may be adjusted to its proper position by loosening the bolt F and raising the gate to the position required, when the bolt may be tightened to hold it.

With this arrangement the opening end of the gate may be raised up a considerable distance, so that it will swing over snow-drifts or other obstructions; and it also renders the gate applicable to hillsides, and the passage of small stock (such as hogs, sheep, &c.) under it, serving, at the same time, as a barrier against larger stock, (as horses, cattle, &c.)

In cases where the gate is but rarely opened, the bolt F may be loosened, and allow the opening end of the gate to rest upon the ground or other substance, thereby relieving the post entirely of the weight of the gate; or, if it is desired that the gate remain open for a length of time, the same bolt F can be removed from the central vertical bar, and its opening end rest upon the ground, for the purpose above stated.

The force with which the gate is closed may be increased or diminished by the distance the brace C is pivoted from the post D.

Having fully described the construction and operation of our invention,

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

A gate, having the brace C and vertical adjustment F, constructed and operating substantially as herein specified, and for the purposes mentioned.

WILLIAM GAUSE.

JOSEPH C. CURRYER.

Witnesses:

GEORGE W. OSBORN,
JACOB ELDRIDGE.