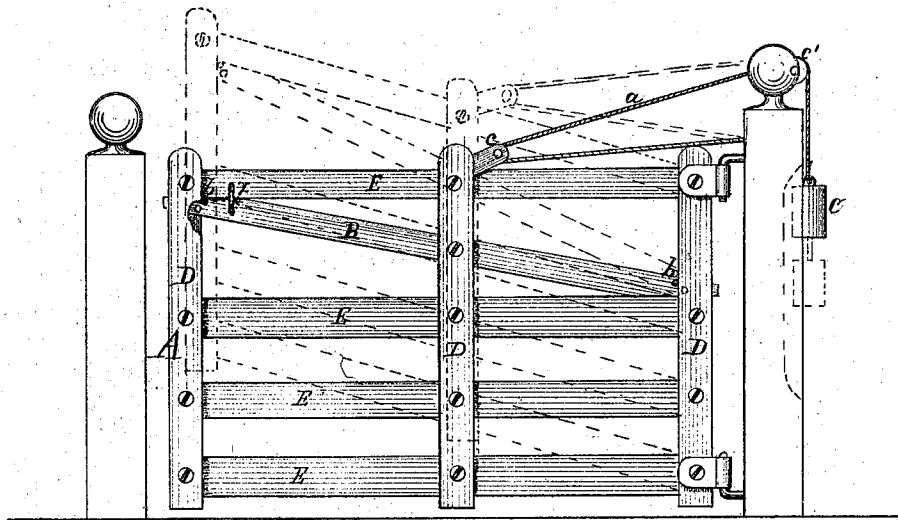


*W. H. Wright,*

*Farm Gate.*

*No. 100,484.*

*Patented Mar. 1. 1870.*



Witnesses:

*F. W. Clement*  
*Wm. S. Brough*

Inventor:

*W. H. Wright*

# United States Patent Office.

WILLIAM H. WRIGHT, OF ROCHESTER, NEW YORK.

Letters Patent No. 100,484, dated March 1, 1870.

## IMPROVEMENT IN FARM 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, WILLIAM H. WRIGHT, of Rochester, in the county of Monroe, and State of New York, have invented a certain new and useful Farm Gate; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making part of this specification, in which—

The Figure represents a side elevation of my invention.

The object and nature of my invention will be understood by reference to the specification and drawing, and

To enable others to make and use the same, I will describe its construction and operation.

The gate A is of that class which swings horizontally upon hinges, and also vibrates vertically, the bars E being pivoted by bolts or otherwise to the uprights D.

Between any two of the bars E, I provide the brace B, pivoted to one of the uprights (generally the central one) similarly to said bars.

Pins, *b*, are inserted in suitable holes in the brace, which rest against the edges of the uprights and sustain the weight of the outer end of the gate. Several holes are provided in different positions upon the brace, whereby, as the end of the gate is lifted, the pin or pins may be inserted at the proper place to sustain the gate at the desired height, as indicated by dotted lines in the drawing.

To balance the weight of the gate upon the hinges, I use a weight, C, attached to a cord or chain, *a*, said cord passing over pulleys *c* and *c'*, and secured at one end to the gate-post. Since the pulley *c* is fixed to

the gate and moves with it, it is obvious that I am enabled to use a much lighter weight, C, than is generally required for gates of this kind.

By means of the brace B and pins, the gate is sufficiently stiffened, and at the same time it can be readily retained at any desired vertical adjustment. If it is necessary to prevent animals from lifting the outer end of the gate, the pins *b* may be inserted in holes in the brace outside of the uprights.

One or more braces, B, may be used, placed in any convenient position in the gate.

A short wire or cord, *x*, may support one end of the brace B, so that it shall retain its inclined position; or where it is pivoted at the center, a counter-weight may be attached to the rear end.

In case it should not be desirable to use the weight C, the brace B and adjustable pins *b* answer every purpose in supporting the gate when lifted, and allowing it to swing clear of obstructions.

What I claim as my invention and desire to secure by Letters Patent, is—

1. In combination with a folding gate, the self-adjusting diagonal brace B, arranged to operate substantially in the manner shown, and for the purposes described.

2. The cord or chain *a*, pulleys *c* and *c'* arranged substantially as shown, and weight *e*, in combination with a folding gate, having a self-adjusting brace, B, for the purposes set forth.

W. H. WRIGHT.

Witnesses:

F. H. CLEMENT,  
GEO. T. PARKER.