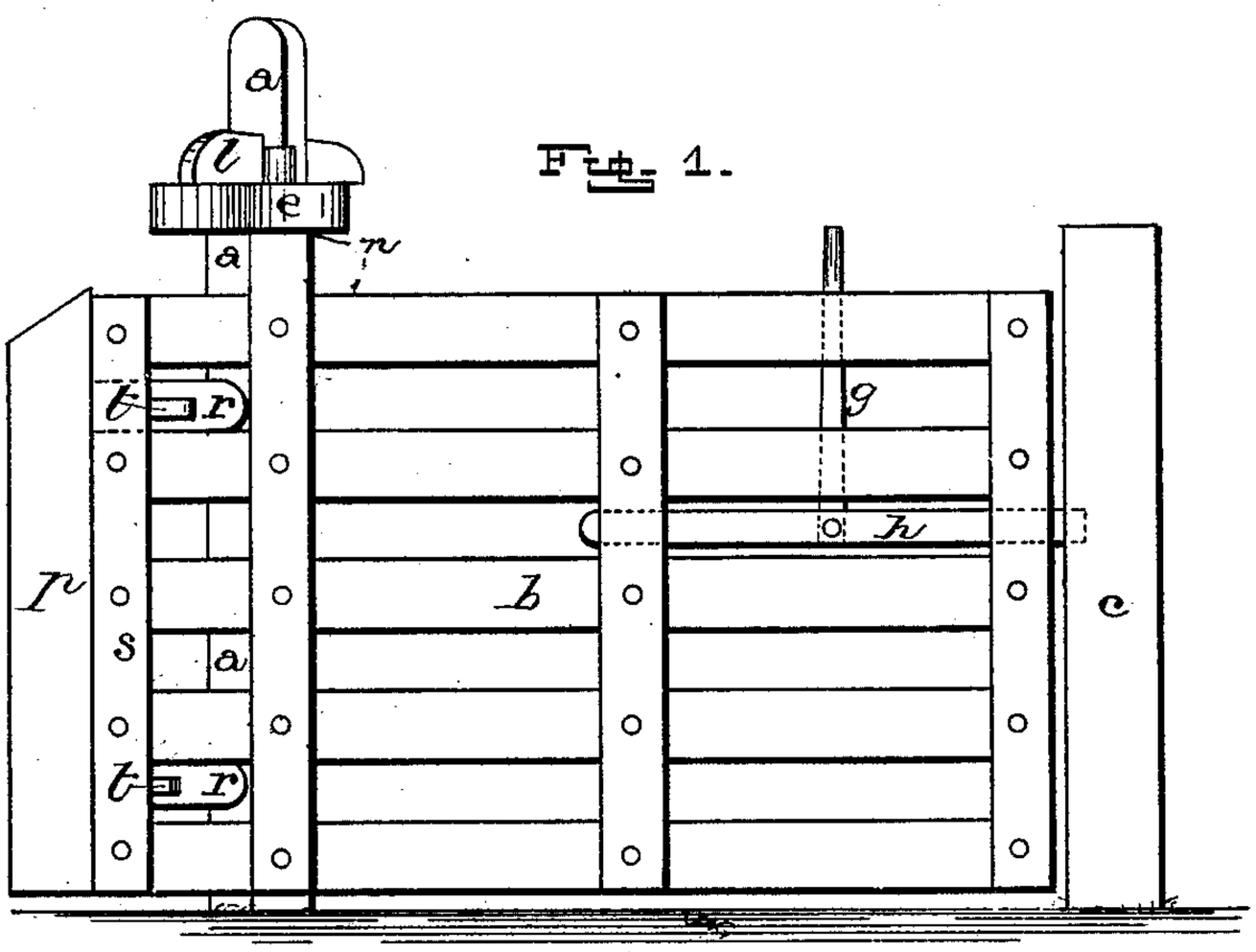
H. GALBRAITH.

Gate.

No. 205,853. Patented July 9, 1878.

Fig. 1.



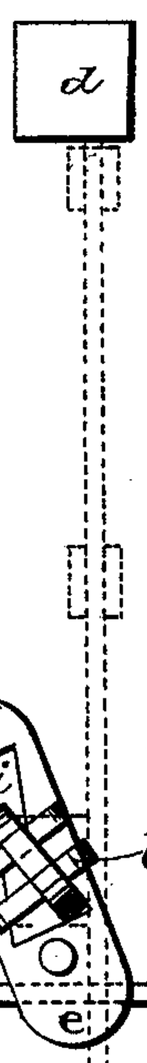
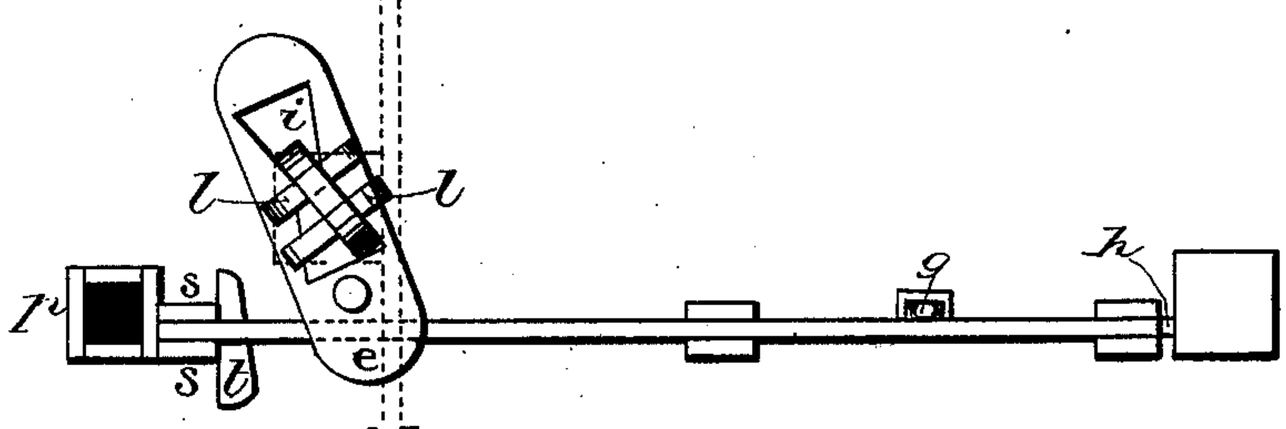


Fig. 2.



Witnesses.

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Inventor.

H. Galbraith,

per

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UNITED STATES PATENT OFFICE.

HENRY GALBRAITH, OF CAVE, ILLINOIS.

IMPROVEMENT IN GATES.

Specification forming part of Letters Patent No. **205,853,** dated July 9, 1878; application filed May 28, 1878.

To all whom it may concern:

Be it known that I, HENRY GALBRAITH, of Cave, in the county of Franklin and State of Illinois, have invented certain new and useful Improvements in Gates; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in gates; and it consists in the arrangement and combination of parts, whereby the weight-box can be attached to and removed from the gate, and the gate prevented from sagging, as will be more fully described hereinafter.

Figure 1 is a side elevation of my invention. Fig. 2 is a plan view of the same.

a represents the post upon which the gate *b* swings; *c*, the post against which it closes, and *d* the post against which it stops when opened, all three of which posts are relatively arranged, as shown.

The gate *b* may be of any ordinary construction, and has its lower bearing or pivot stepped upon any suitable substance set in the earth, while the upper pivot is controlled by the adjustable slotted piece *e*. Extending up above the top of the gate is the lever *g*, which is fastened to the latch *h*, so that persons on horseback can open the gate without dismounting.

The top of the post *a* is cut away, as shown, and down over its top is passed the mortised board *e*, which can be adjusted horizontally back and forth for the purpose of changing the upper pivot of the gate, and thus causing the gate to swing in any desired direction. As the mortise *i* in the board *e* is made largest at each end and smallest in the center, the board can be adjusted back and forth and from right to left, and thus move the upper pivot of the gate in any direction. After the board has been adjusted so as to throw the gate in the proper direction, the board is locked rigidly in position by the keys *l*, which are driven through the top of the post from opposite sides, so as to clamp it down upon the shoulders *n* of the post. So nicely can the balance of the gate be regulated that it will not exert a pull of a single pound on the post.

To the rear end of the gate is attached the weight-box *p*, which has the arms *r* projecting from its inner side, so as to pass between the two end uprights *s* of the gate, where they are held by the pins or keys *t*. By thus fastening this box to the gate it can be removed or detached from the gate whenever it is desired to take the gate down, move it away, or repair it. Into this box will be thrown stones, bricks, dirt, or other heavy substance, until the gate is so nicely balanced that it will not sag in the slightest.

By constructing a gate as above described it is always absolutely under control, and can be balanced in every direction.

Having thus described my invention, I claim—

1. The combination of the post *a*, board *e*, having the mortise *i*, so that it can be adjusted back and forth, gate *b*, and keys *l*, substantially as shown.

2. The weight-box *p*, provided with the arms *r*, in combination with the uprights *s* of the gate, and the keys *t*, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 17th day of May, 1878.

HENRY GALBRAITH.

Witnesses:
A. K. WALLER,
G. W. STEVENS.