

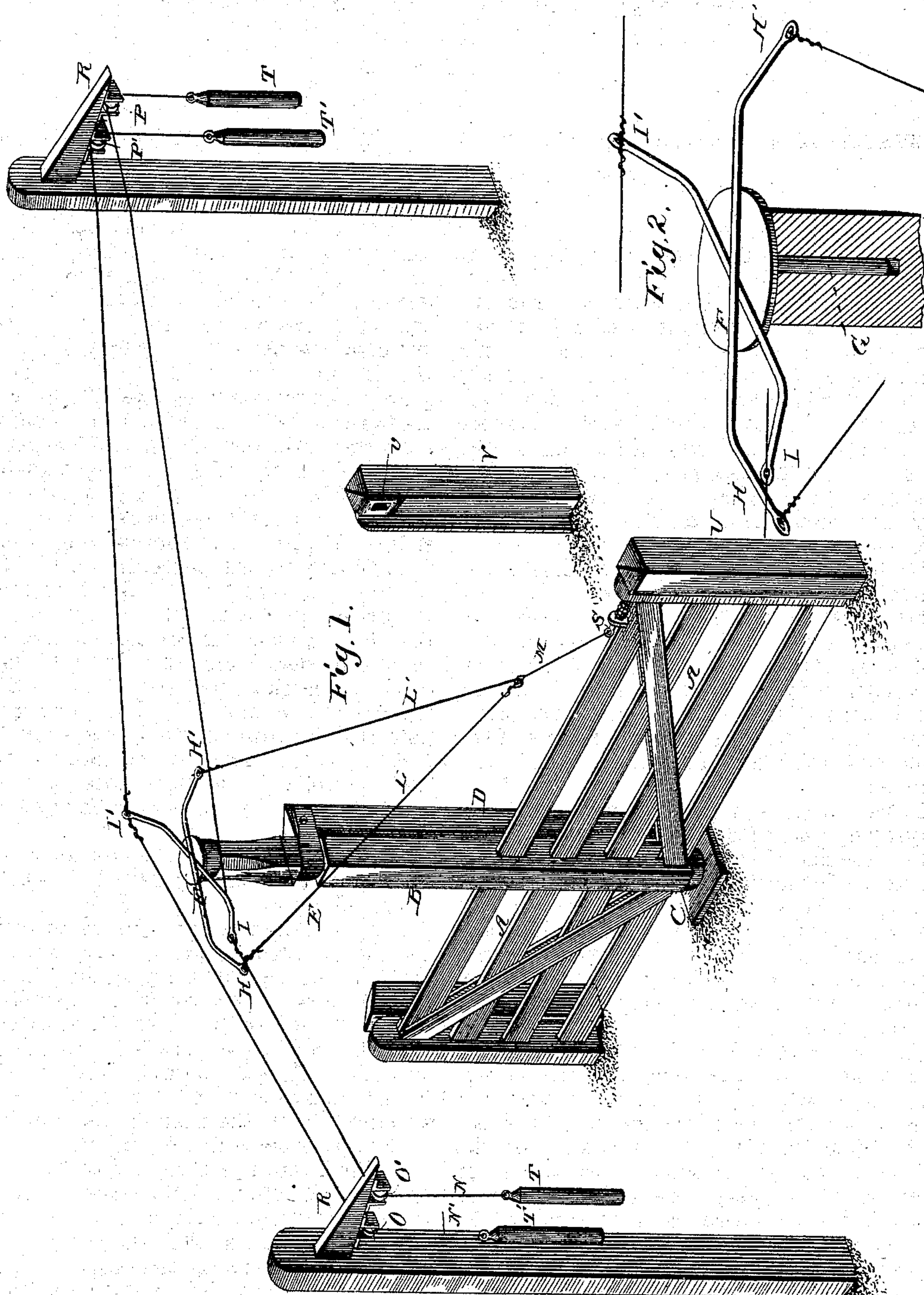
(No Model.)

D. S. YOUNG.

GATE.

No. 267,639.

Patented Nov. 14, 1882.



WITNESSES:

Fred. G. Dietrich,
Jno. W. Stockett.

INVENTOR.
Daniel S. Young
by *Louis Bagger & Co.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

DANIEL S. YOUNG, OF MONROE, WISCONSIN.

GATE.

SPECIFICATION forming part of Letters Patent No. 267,639, dated November 14, 1882.

Application filed September 18, 1882. (No model.)

To all whom it may concern:

Be it known that I, DANIEL S. YOUNG, of Monroe, in the county of Green and State of Wisconsin, have invented certain new and useful Improvements in Gates; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved swinging gate, and Fig. 2 is a perspective detail view of the lever-plate.

Similar letters of reference indicate corresponding parts in both the figures.

My invention has relation to that class of swinging gates which may be opened and closed by persons sitting in a vehicle or on horseback without obliging them to dismount; and it consists in the improved construction, combination, and arrangement of parts of the same, as hereinafter more fully described and claimed.

In the accompanying drawings I have shown a swinging gate with two panels—one on each side of the central swinging post—the two panels counterbalancing each other, and thus relieving the central post from strain; but it is not necessary to have the gate of that construction, as all the parts of my invention are on one side of the swinging post, and consequently a gate with but one panel will work the same way.

The panels are indicated by the letters A A, extending to both sides from the central swinging post, B, which is pivoted at its lower end in a block, C, placed in the ground at the foot of the main post D. At its upper part the swinging post B is clasped by a keeper or strap, E, which passes around it in a groove which is cut cylindrical, so as to admit of the post turning freely in the strap and on its pivot.

On the top of the swinging post B is the device for opening and closing the gate, consisting in a plate, F, fastened on a bolt or rod, G, which passes down into and turns in a socket in the top of post B. From the plate F, and fastened to it, extend four arms, H H' and I I', having eyes at their outer ends for fastening the wires which operate to turn the plate and open the latch. The outer ends of the two arms H H' are bent downwardly and the arms

I I' upwardly to prevent the wires from interfering with each other. To the ends of the arms H H', which are fastened to the plate, forming right angles with the panels of the gate when closed, are fastened the wires L L', which are connected at one end to the single wire M, which operates the latch S. At an angle of about forty-five degrees to the arms H H' are the arms I I', to the upturned ends of which are fastened the wires N N', which run through the pulleys O O' and P P' on the standards Q and R. The wires N N' are provided with handles T at their free ends of any desired shape. It will be seen that pulling the handle T' at the post Q will cause the wire N' to pull the arm I' toward the post Q. This will turn the plate F, with its bolt G, in its socket in post B, and consequently turn arm H' in the same direction, which will draw the latch S out of its catch in post U by the arm H' pulling the wire L' and M. It will also give the gate a motion toward post V, where it will stop and the latch engage in the slot v in post V till it is unlocked and the gate turned in a similar manner by pulling at the handle T' at the post R.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. In a swinging gate, the combination of the pivotal post B, having a central bore or socket in the top, and carrying the gate A, the circular disk or lever-plate F, having arms H H' I I' and central bolt, G, inserted into and turning in the socket in post B, latch-wires L L' M, and operating cords or wires N N', all constructed and combined to operate substantially in the manner and for the purpose herein shown and described.

2. The lever-plate F, having central bolt, G, and arms H H' and I I' crossing each other and turned respectively in a downward and upward direction at their outer ends, in combination with the socketed post, its gate, and the cords or wires for operating it, substantially as and for the purpose herein shown and specified.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

DANIEL S. YOUNG.

Witnesses:

C. E. TANBURG,
HERMAN L. GLOEGE.