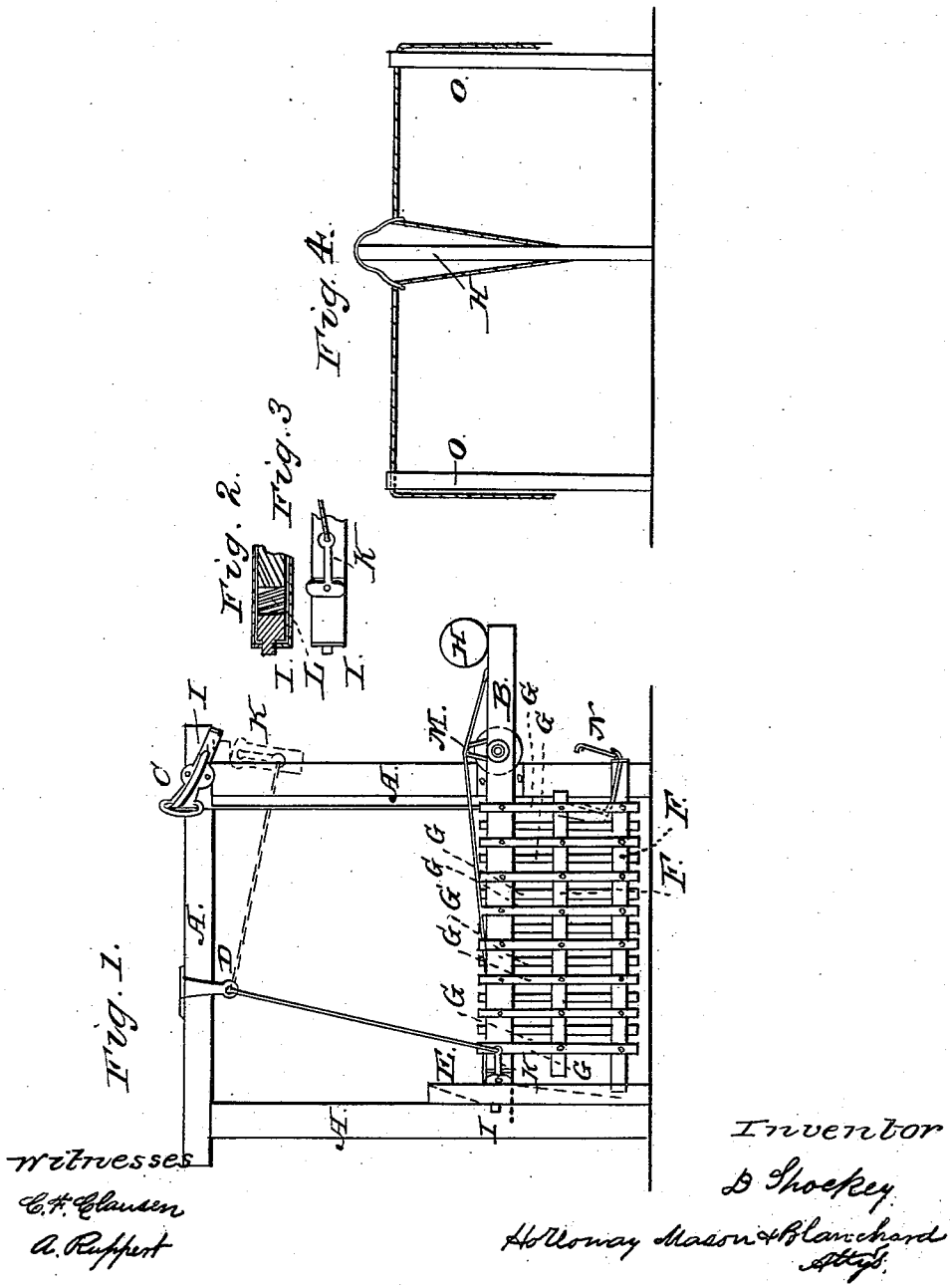


D. SHOCKEY.

Gate.

No. 85,033.

Patented Dec. 15, 1868.



# United States Patent Office.

DANIEL SHOCKEY, OF WAYNESBOROUGH, PENNSYLVANIA.

Letters Patent No. 85,033, dated December 15, 1868.

## 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, DANIEL SHOCKEY, of Waynesborough, county of Franklin, State of Pennsylvania, have invented a new and improved Folding Gate; and I hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation.

Figure 2 is a sectional side view of a portion of the long arm of the lever, showing bolt and springs.

Figure 3 is a partial side view of the long arm of lever, showing spring-bolt and cam-lever.

Figure 4 is an end view.

Similar letters of reference indicate corresponding parts.

My invention relates to that class of gates known as folding, and which are operated by means of a tilting-lever.

It consists in providing a spring-bolt on the end of the long arm of the lever, together with an improved construction and arrangement of its various parts, as will be hereinafter fully described.

A, in the drawings, is the principal frame, consisting of two posts, of suitable height and diameter, surmounted by a proportionate cross-piece.

The right-hand post carries the tilting-lever B, which has its bearings in a circular flange secured to the post at a convenient height.

On the right-hand end of the cross-piece, a dog, C, is secured, and near its centre the stirrup D is located, through which the hoisting-cords pass.

An upright piece, E, having two inclined and tapering grooves, the upper of which has a slot near its termination, is secured to the lower half of the interior surface of the left-hand post.

B is the tilting-lever.

It carries the arms F, which are attached to it by means of the vertical strips or slats G, which pivot on the lever and arms.

H is a metal or other ball, which serves to weight the lever.

I is a spring-bolt, inserted in a socket in the end of the long arm of the lever.

It is operated by means of the cam-lever K, which depresses or lengthens the spring at pleasure.

L is the spring, which is secured to the inner sides of the socket.

M is a truss, passing over a stud located near the,

fulcrum of the lever, which adds greatly to the strength of the lever.

N is a guide, attached to the lower arm of the gate. When it strikes the post, it is turned at right angles.

O are duplicate minor frames, which form the gateway, and through the cross-arms of which the hoisting-cords pass.

The operation of my invention is as follows:

Approaching the gate from either direction, seize the suspended ring at the end of the cord, give it a quick jerk, and then let it fall. This loosens the bolt from its socket on the post, and gives the gate an upward motion, which is continued by the weight until the bolt has passed under the dog C, and behind it, the effect of which is to secure the gate in its open position, as indicated by the red lines in fig. 1. Having passed through, a similar jerk, at the other end of the cord, again loosens the bolt, and overcomes the resistance of the weight, when the gate falls into its normal position by the force of its own gravity.

It is evident, from the foregoing description, that a gate constructed as this one is, is very conveniently opened and closed, without dismounting, by devices that are not easily gotten out of order, and that are not at all difficult of repair, being inexpensive and simple; that it is incapable of being opened save by pulling the cord, which is out of the reach of any animals on the farm, (and unless they have a sagacity that amounts almost to reason, they will not touch the cam-lever, for that purpose;) and that it is cheap and durable.

Having thus described the nature of my invention, and its method of operation,

I claim—

1. The spring-bolt I, in combination with the main arm or tilting-lever of a gate, substantially as described.

2. The guide N, attached to the lower arm of a gate, substantially as described.

3. The combination of the spring-bolt with the dog C, cam-lever K, and cords, substantially as described.

4. The guide N, in combination with a circular flange on the post, substantially as described.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

DANIEL SHOCKEY.

Witnesses:

DANIEL GARVER,  
CYRUS GARVER.