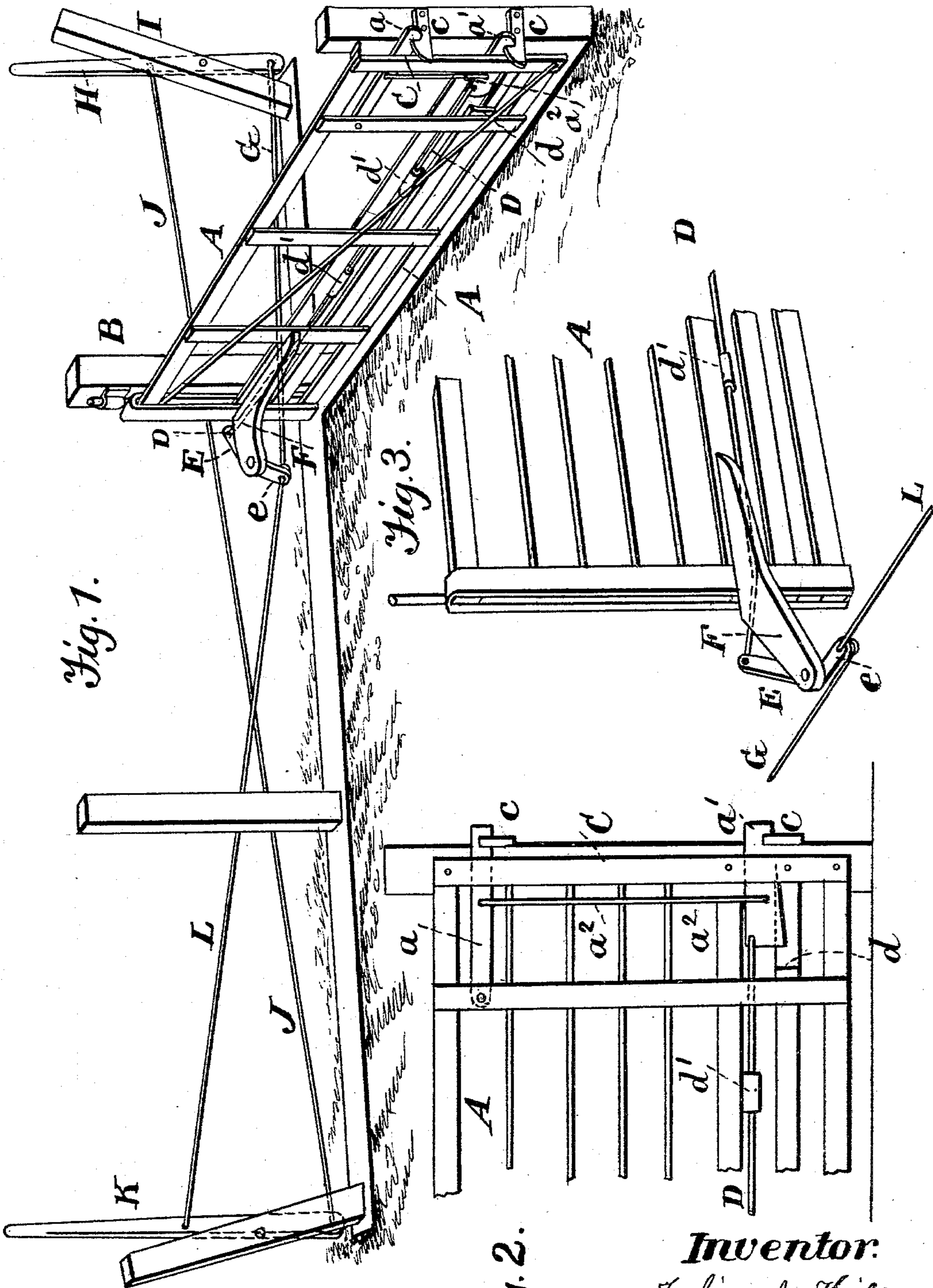


(No Model.)

T. A. HILL.  
DRIVE GATE.

No. 559,708.

Patented May 5, 1896.



Witnesses.  
A. Ruppert.  
H. A. Daniels

Fig. 2.

Inventor:  
T. A. Hill,  
Per  
Thomas P. Simpson,  
att'y

# UNITED STATES PATENT OFFICE.

TERELIUS ALLEN HILL, OF MARYVILLE, TENNESSEE.

## DRIVE-GATE.

SPECIFICATION forming part of Letters Patent No. 559,708, dated May 5, 1896.

Application filed March 11, 1895. Serial No. 541,379. (No model.)

*To all whom it may concern:*

Be it known that I, TERELIUS ALLEN HILL, residing at Maryville, in the county of Blount and State of Tennessee, have invented certain new and useful Improvements in Drive-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 use the same.

10 The special object of the invention is to make a drive-gate with attachments, by which it may be opened by a person on horseback or in a vehicle as he approaches from either side.

15 Figure 1 of the drawings is a perspective view of the gate and its appurtenances; Fig. 2, a detail view in elevation to show the latches and their connection, and Fig. 3 a detail perspective view of the mechanism at the rear of the gate.

20 In the drawings, A represents a swinging gate having an upper and lower hinge on the post B and upper and lower latches  $a$   $a'$ , the upper one being simply a lift-latch pivoted at the rear, while the lower one  $a'$  is both a  
25 lifting and sliding latch, the rear being pivoted at top to the pull-wire D and the bottom being caused to strike a shoulder  $d$ , which throws up its front end and, by means of the wire  $a^2$ , throws up the latch  $a$ . The wire D  
30 passes, preferably, through guides  $d'$   $d'$  on the bottom of a rail to the end of a lever E, fulcrumed to a projection F on the rear of gate. The other end of lever E is connected by a

wire G with the lower end of a long vertical lever H, which is fulcrumed, preferably, on a 35 leaning post I, the upper arm of the lever H being connected by a wire J with a corresponding lever K, so that when one is pulled forward the other is pulled back, and vice versa. L is a wire connecting the end  $e$  of 40 lever E with the upper arm of the hand-lever K. By this combination of parts, no matter which side of the gate is approached, by throwing the lever forward the latches will first be unfastened and then the gate thrown 45 back. As the rider passes the lever on the opposite side of the gate he pushes it toward its post, so as to close the gate, and the latches engage the post-catches  $c$   $c$ .

What I claim as new, and desire to protect 50 by Letters Patent, is—

A swinging gate provided with two lifting-latches connected by a vertical wire or rod, the lower latch being pivoted at the upper corner of its rear end to a pull-wire and the 55 lower corner being arranged to strike a shoulder on the gate as said lower latch is pulled back, as and for the purpose described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in 60 the presence of two witnesses.

TERELIUS ALLEN HILL.

Witnesses:

W. C. CHUMLEA,  
J. M. ARMSTRONG.