No. 679,340. Patented July 30, 1901.

E. D. SCHMUCKER.

ROLLING GATE.

(Application filed Dec. 6, 1900.)

(No Model.)

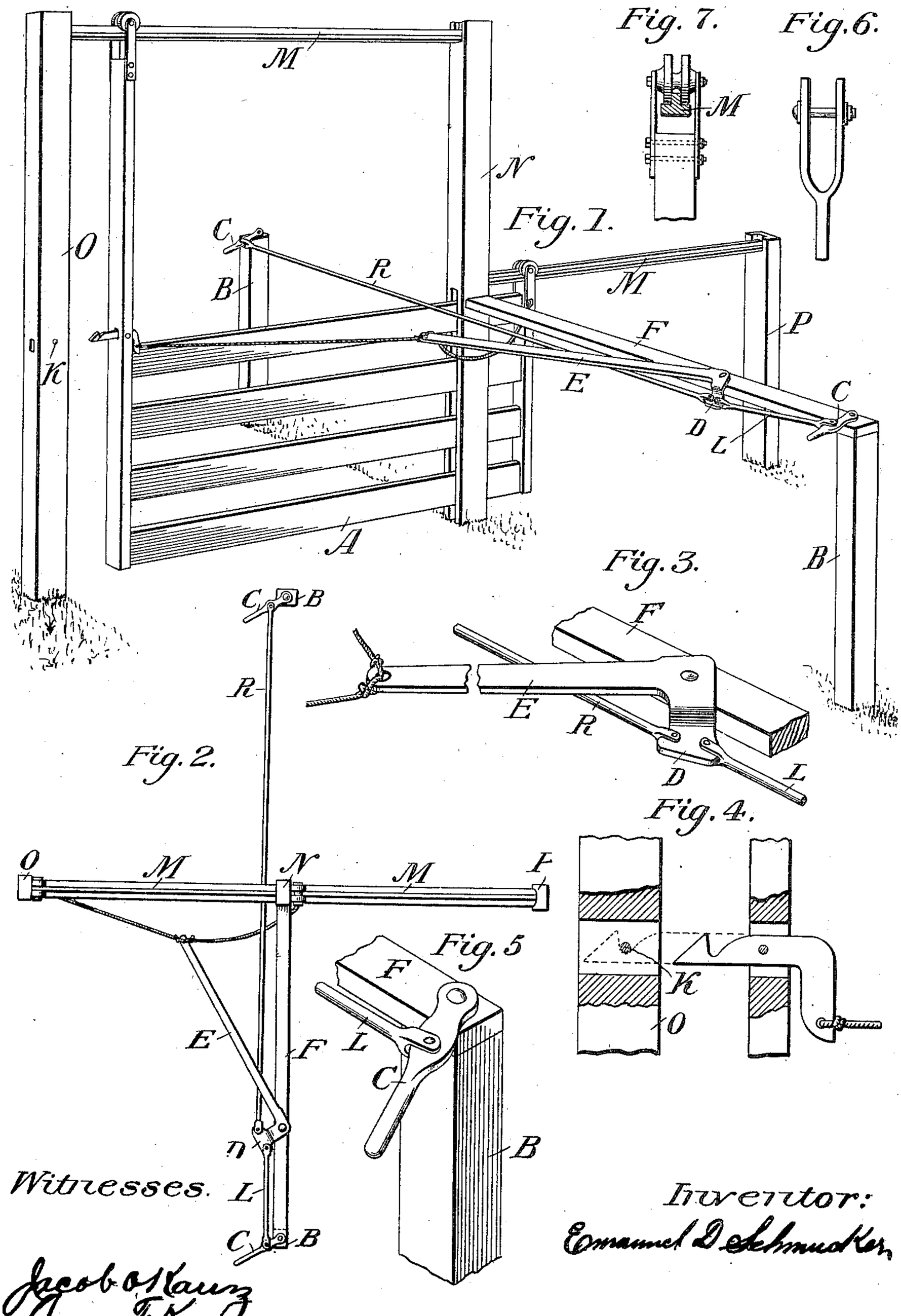

Fig. 1.

Fig. 7.

Fig. 6.

Fig. 2.

Fig. 5

Fig. 3.

Fig. 4.

Witnesses.

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EMANUEL D. SCHMUCKER, OF AYR, INDIANA.

ROLLING GATE.

SPECIFICATION forming part of Letters Patent No. 679,340, dated July 30, 1901.

Application filed December 6, 1900. Serial No. 38,888. (No model.)

To all whom it may concern:

Be it known that I, EMANUEL D. SCHMUCKER, a citizen of the United States, residing at Ayr, in the county of Marshall, in the State of Indiana, have invented a new and useful Improvement 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 appertains to make and use the same.

Figure 1 is a perspective view of the gate. Fig. 2 is a plan of the gate and its operating mechanism. Fig. 3 shows the operating-lever, a portion of the rail to which the same is attached and its rod attachments. Fig. 4 shows the latch in position and a section of the post, showing the position of the latch when the gate is closed. Fig. 5 shows the hand-levers used in operating the gate. Fig. 6 is an elevation of the clevises connecting the several rods to the several levers. Fig. 7 is an elevation of the pulleys on which rests the weight of the gate.

The object of this invention is to furnish an improved gate simple in construction, easily operated, and so constructed that it may be opened or closed by the driver or rider without leaving his seat upon a horse or in a vehicle.

The invention consists in the arrangement and combination of parts as hereinafter fully described.

The frame of the gate consists of three posts O N P, connected by horizontal bars M M. To the posts O N and N P are attached cross bars or rods M M, upon which roll the pulleys attached to the upper ends of the front and rear bars of the gate A. The posts O N on opposite sides of the gateway are made of such a height that vehicles may pass beneath their cross-bar M. The upper edge of each cross-beam is provided with a track adapted to permit a grooved roller to move thereon and to be guided thereby, as represented by M in Fig. 7. At right angles with the line formed by the posts O N P and in line with the post N are set two posts B B. To the top of one of them is attached a beam reaching to the post N, to which is attached the operating-lever, as represented in Fig. 3. To the extreme end of this lever are attached two cords, one of which attaches also to the latch which is attached to the front of the gate, while the other attaches to the rear of the gate. The operating-lever is moved by the hand-levers C C, one at either side of the gate, which levers are attached to the operating-lever by means of rods with clevis attachments, as shown in Fig. 2. The hand-levers are attached to the tops of posts B B, and it is by means of these that the gate is operated, the latch serving to hold the gate in position when closed, as represented at K in Fig. 4. On throwing the operating-lever back by use of the hand-levers on either side of the gate the cord attached thereto lifts the latch and throws the gate back, clearing the driveway, and a reverse action closes the gate and fastens it by means of the latch and fastening in post.

Having thus described my invention, what I desire to secure by Letters Patent is—

The suspended gate A, in combination with the angle-lever E D, pivoted upon bar F; the rods R L, connected to the short arm of said lever; cords connecting its long arm to the latch and to the rear of the gate; and the hand-levers for actuating the rods, substantially as shown and described.

In testimony whereof I have hereunto affixed my name, declaring the invention shown in the specification to be my own, in the presence of two subscribing witnesses.

EMANUEL D. SCHMUCKER.

Witnesses:
A. V. GUISS,
JACOB O. KAUTZ.