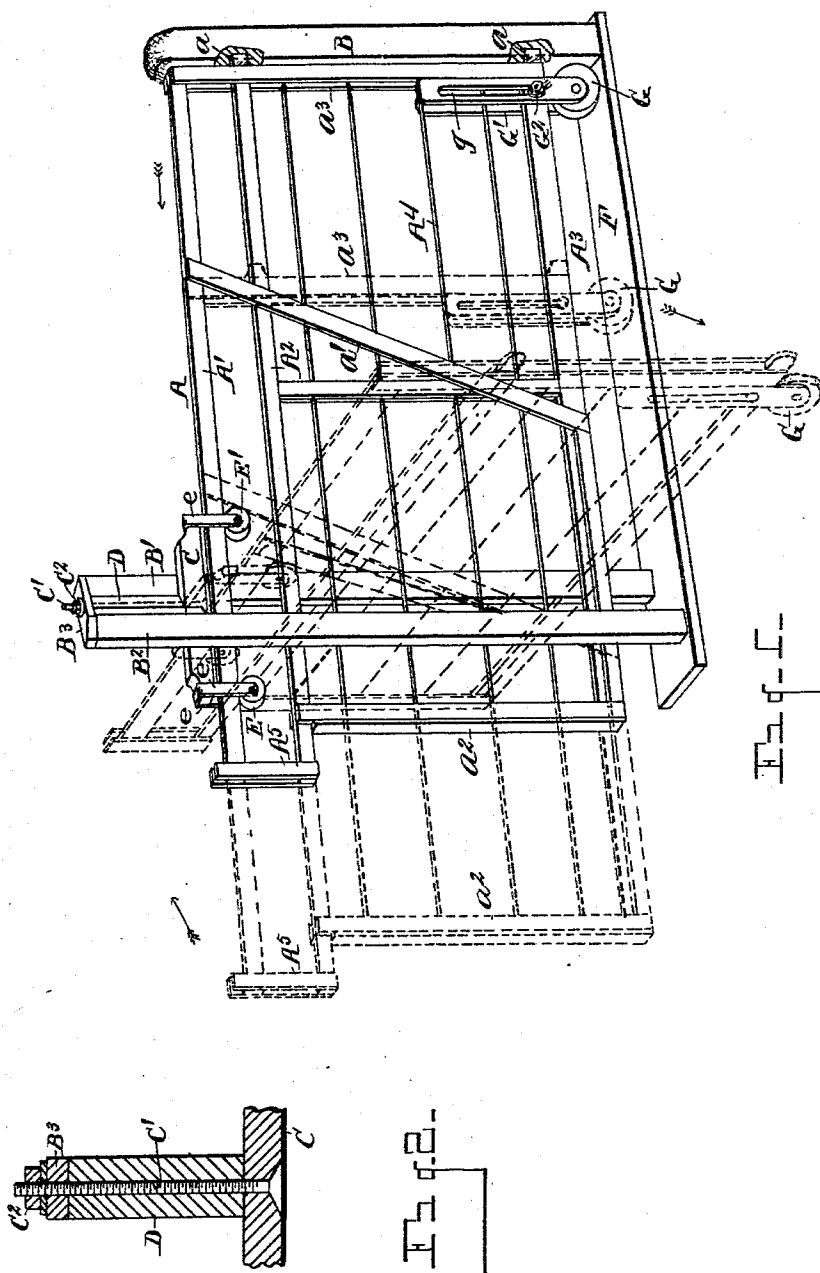


(No Model.)

J. SWEET.
FARM GATE.

No. 551,415.

Patented Dec. 17, 1895.



WITNESSES
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JOB SWEET, OF DETROIT, MICHIGAN, ASSIGNOR OF TWO-THIRDS TO ROBERT S. THOMAS AND N. S. WRIGHT, OF SAME PLACE.

FARM-GATE.

SPECIFICATION forming part of Letters Patent No. 551,415, dated December 17, 1895.

Application filed April 22, 1895. Serial No. 546,792. (No model.)

To all whom it may concern:

Be it known that I, JOB SWEET, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Farm-Gates; and I 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, reference being had to the accompanying drawings, which form a part of this specification.

My invention has for its object certain new and useful improvements in farm-gates, and more particularly in a sliding gate of this description; and it consists in the construction, combination, and arrangement of devices and appliances hereinafter specified and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a view in perspective illustrating my invention. Fig. 2 is a detail view, in section, showing various parts.

I carry out my invention as follows:

A represents the gate, the same being longitudinally movable, as shown in dotted lines, Fig. 1.

B represents the front gate-post. At the rear of the gate are two posts B' and B², the one being a little in advance of the other, as shown, and connected at their upper ends by a cross-piece B³. Suspended upon said cross-piece is an arm or bar C, said arm being supported upon said cross-piece by a bolt C' pivotally suspending said arm C thereupon. Between said cross-piece and arm C, I locate a removable block D, through which the bolt passes, the bolt being provided with a nut C². At the front and rear extremities of the arm C, I engage, in any suitable manner, rollers E E', as by means of intervening bracket-arms e.

The body of the gate is constructed with a top board A', the under edge of which rests upon said rollers. The balance of the gate may be constructed in any desired manner. As shown, the body of the gate is constructed with an additional board A² below the board A', and with a bottom board A³. Wires A⁴ intervene, although boards might take the place of the wires if preferred.

I prefer to locate a plank F beneath the gate

and to provide the lower forward end of the gate with a roller G to run upon said plank. The forward end of the gate may be provided with outwardly-projecting lugs a a to engage in corresponding sockets in the adjacent post to hold the gate in closed position.

The boards of the gate are preferably connected by a diagonal brace a', its upper end being set well forward to give full opportunity for the reciprocation of the gate upon the rollers E E'. So, too, to afford more ample opportunity for the reciprocation of the gate, the two upper boards A' and A² are preferably projected rearward beyond the remaining portion of the gate, as shown, the rear ends of said boards A' A² being connected, as shown at A⁵. The rear ends of the wires A⁴ of the gate and of the board A³ are connected by strips a², the forward ends of the gate being connected by strips a³.

The block D is preferably made removable in order to permit the gate to be adjusted vertically. It will be evident that by removing said block and screwing down the nut upon the bolt C' the gate can be suspended in a higher position if desired—as in winter, for example, when, as is often the case, it is desired to suspend the gate above snow and ice. Blocks D of different lengths may be used interchangeably if preferred. So also the roller G is preferably made vertically adjustable. To this end it is engaged with brackets G' having elongated orifices g therein, a bolt G² passing through said slots and the adjacent board of the gate. In this way the roller may readily be adjusted vertically.

It will be seen that the cross-piece B³ extends diagonally, and that owing to the location of the posts B' B² when the gate has been moved rearwardly a portion of its length only, it may then be swung around at right angles upon the pivotal bolt C', as indicated in dotted lines.

By sliding the gate back about midway, its left will be substantially balanced upon the pivotal bolt C', allowing the gate to be turned around at right angles with ease, and returned to normal position again. By providing the plank F and making the roller G and the rear end of the gate vertically adjustable, the gate may always slide upon the plank in its longi-

tudinal movements in whatever position it may be vertically adjusted.

What I claim as my invention is—

1. The combination of the gate A, the posts B' B² set one in advance of the other, the cross piece B³ connecting the upper ends of said posts, the arm C, a pivot bolt C' supporting the bar C upon the cross piece B³, and the depending rollers at the ends of said arm supporting said gate, said gate having a longitudinally reciprocatory movement upon said rollers, substantially as set forth.

2. The combination of the gate A, the posts B' B² set one in advance of the other, the cross piece B³ connecting the upper ends of said posts, the arm C, a pivot bolt C' supporting the bar C upon the cross piece B³, and the depending rollers at the ends of said arm supporting said gate, said gate having a longitudinally reciprocatory movement upon said rollers and being vertically adjustable upon said bolt, substantially as set forth.

3. The combination of the gate A having boards A' A² projecting rearward of the remaining portion of the gate, posts B' B² arranged the one in advance of the other, a supporting cross piece connecting the upper ends of said posts, an arm C, a pivot bolt connecting said arm and cross piece, a removable block upon said bolt between said arm and cross piece, depending rollers E E' at the extremities of said arm, and an adjustable roller G under the forward end of the gate, the under edge of the board A' resting upon said rollers E E' and having a reciprocatory movement thereupon, substantially as set forth.

In testimony whereof I sign this specification in the presence of two witnesses.

his
JOB X SWEET.
mark

Witnesses:

N. S. WRIGHT,
M. A. MARTIN.