J. L. DAVIS.

GATE.

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1,068,486.

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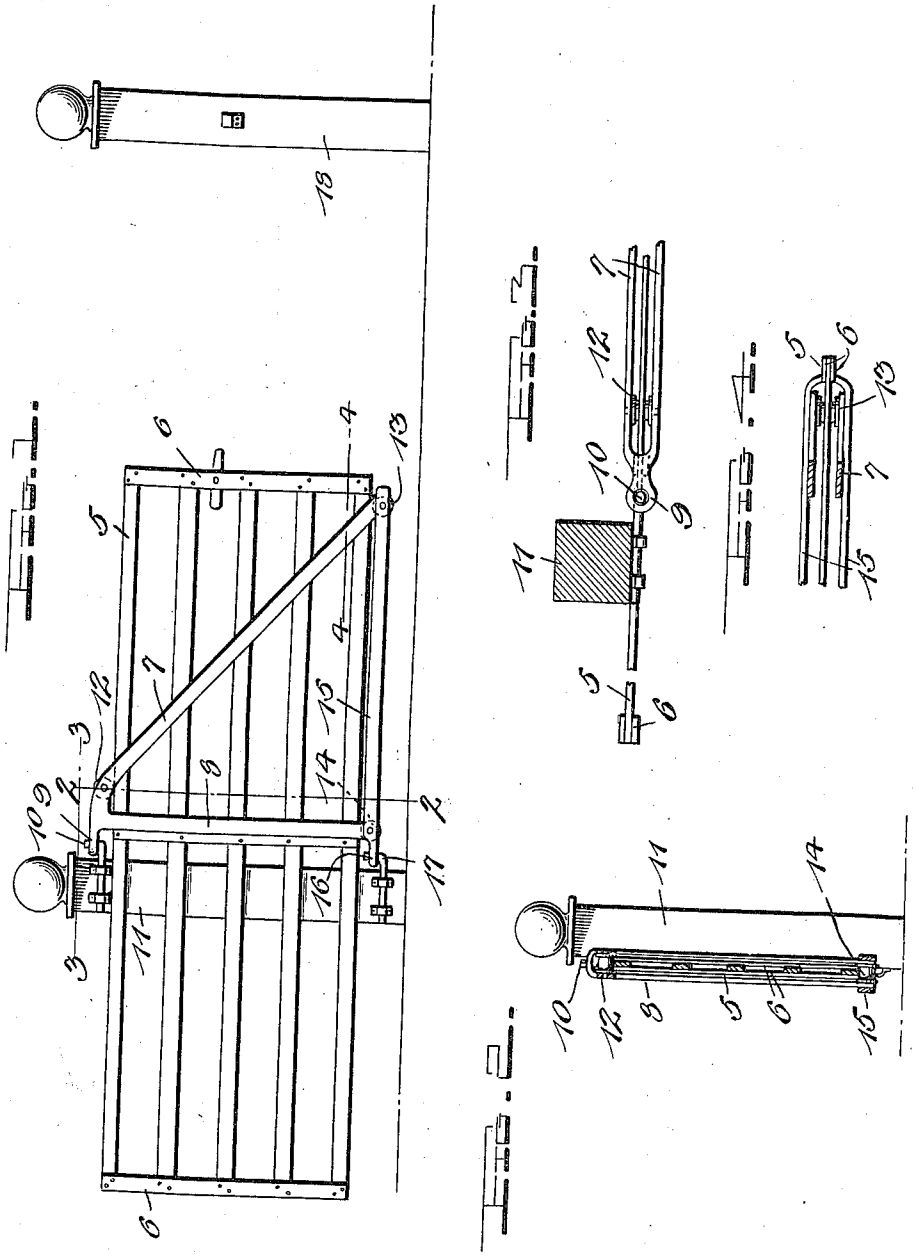

Witnesses

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JAMES L. DAVIS, OF WESTMORELAND, KANSAS.

GATE.

1,068,486. Specification of Letters Patent. Patented July 29, 1913.

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To all whom it may concern:

Be it known that I, JAMES L. DAVIS, a citizen of the United States, residing at Westmoreland, in the county of Pottawatomie and State of Kansas, have invented certain new and useful Improvements in Gates, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to improvements in gates and more particularly to a structure adapted to use as a farm gate, the invention having for its primary object to provide a gate mounted for sliding and swinging movement so that the same may be readily opened under all conditions.

Another object of the invention is to provide a gate of the above character which is strong and durable in construction, consists of comparatively few elements of simple form and may be manufactured at small cost.

With the above and other objects in view as will become apparent as the description proceeds, the invention consists in certain constructions, combinations and arrangements of the parts that I shall hereinafter fully describe and claim.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawing, in which—

Figure 1 is a perspective view of a gate constructed in accordance with the present invention; Fig. 2 is a vertical section taken on the line 2—2 of Fig. 1. Fig. 3 is a horizontal section taken on the line 3—3 of Fig. 1; and Fig. 4 is a similar section taken on the line 4—4 of Fig. 1.

Referring in detail to the drawing, 5 designates a gate proper which consists of a plurality of parallel longitudinal bars connected and braced by means of the vertically disposed bars 6 preferably of metal. This gate is supported in a frame which includes the parallel obliquely disposed metal bars 7 with which the upper end of the parallel vertical bars 8 are integrally connected. At the juncture of the bars 7 and 8, a laterally disposed ear 9 is formed which is provided with an opening to receive a hinge pintle 10 fixed in the upper end of the gate post 11. Between the obliquely disposed bars 7 and adjacent to the upper ends thereof, a roller 12 is rotatably mounted, a similar roller 13 being mounted between the lower ends of said bars. These rollers bear upon the upper and lower longitudinal bars of the gate 5. An additional supporting roller 14 for the gate is mounted between the lower ends of the vertical bars 8, the gate sliding longitudinally between the parallel bars 7 and 8. The lower ends of the bars 7 and 8 are connected and braced by means of the parallel longitudinal bars 15 which are integrally connected at their ends, said bars being provided at one end with an ear 16 similar to the ear 9 on the upper ends of the bars 7 to receive the lower hinge pintle 17 mounted in the gate post 11.

When the gate is in its closed position, one end thereof is disposed adjacent to a latch post 18 arranged at the opposite side of the road from the gate post 11. This post is provided with suitable latch devices to hold the gate in its closed position. It will be noted that the lower ends of the obliquely disposed guide bars 7 are disposed substantially at the center of the gate. It will thus be seen that the gate may be moved longitudinally between the parallel bars 7 and 8 to a half open position without moving the same off of the supporting roller 13. When however, it is necessary to open the gate to a further extent to allow wagons to pass between the gate posts, the gate is swung upon the hinge pintles 10 and 17 so as to dispose the same alongside of the post 11 in parallel relation to the road.

From the above description, it will be seen that I have produced a farm gate which is extremely simple and durable in construction, highly convenient and serviceable in practical use.

The gate may of course be constructed of wood or other materials, and of other forms than as shown in the drawing.

The invention is also susceptible of many minor modifications in the form proportion and arrangement of the parts without departing from the essential features or sacrificing any of the advantages thereof.

Having thus described the invention, what is claimed is:

The combination with a gate post provided with hinge pintles, of a frame consisting of parallel vertical bars and parallel obliquely disposed bars integrally connected at one of their ends and formed with a perforated ear to receive one of the hinge pintles, parallel

brace bars connecting the other ends of the vertical and oblique bars and also provided with a perforated ear at one end to receive the other hinge pintle, rollers mounted between the latter ends of the vertical and oblique bars, a gate movable between said parallel bars and supported upon the rollers, and an additional roller mounted between the oblique bars adjacent to their upper ends to bear upon the upper edge of the gate.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

JAMES L. DAVIS.

Witnesses:
JAMES F. CONKLE,
J. F. MUSIL.