D. FASOLD.

GATE.

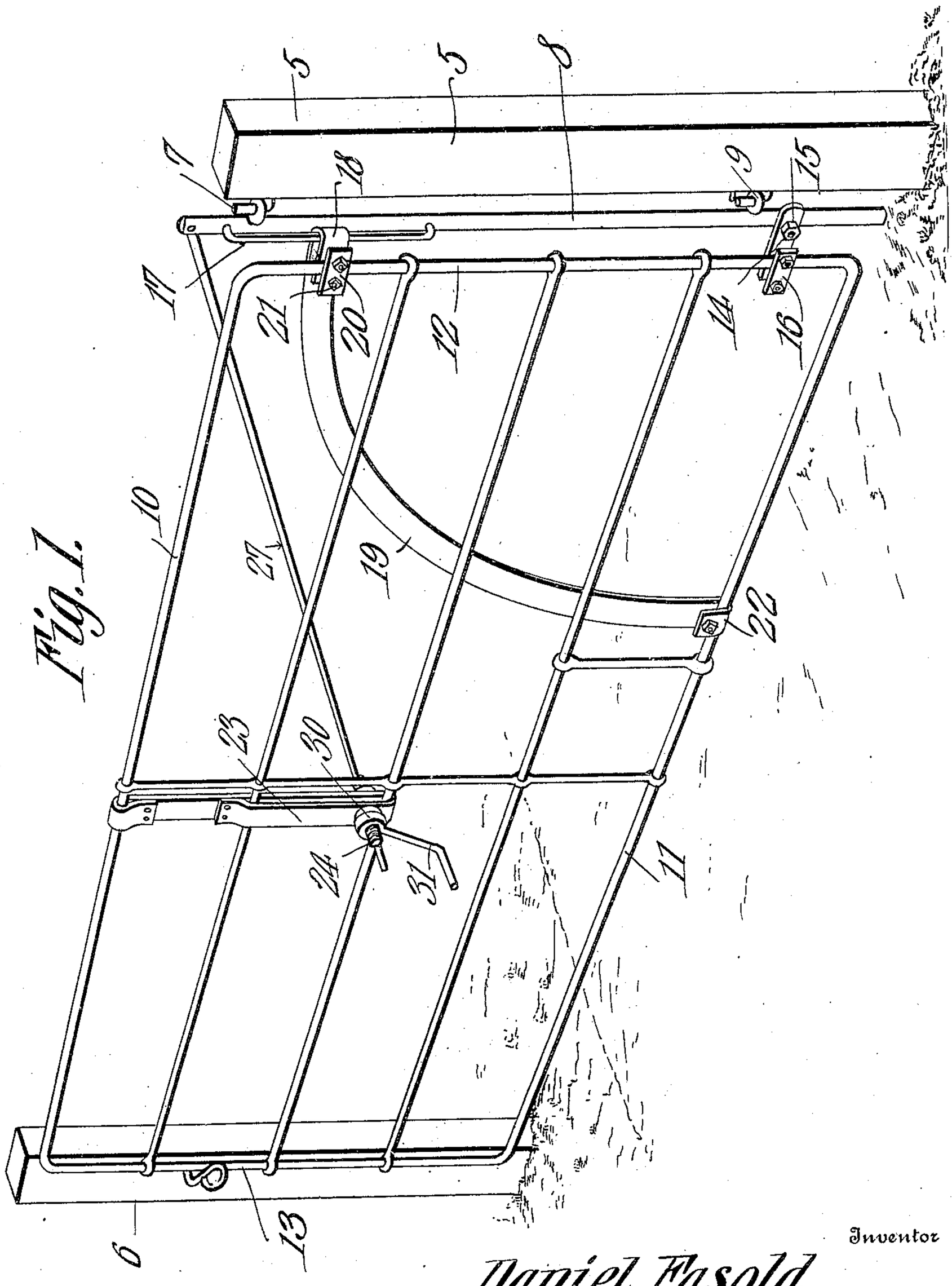
APPLICATION FILED OCT. 6, 1908.

917,275.

Patented Apr. 6, 1909.

2 SHEETS—SHEET 1.

Fig. 1.



Witnesses

E. F. Hollcraft

H. G. Smith.

Inventor

Daniel Fasold

By Cachow & Co.

Attorneys

D. FASOLD.

GATE.

APPLICATION FILED OCT. 6, 1908.

917,275.

Patented Apr. 6, 1909.

2 SHEETS—SHEET 2.

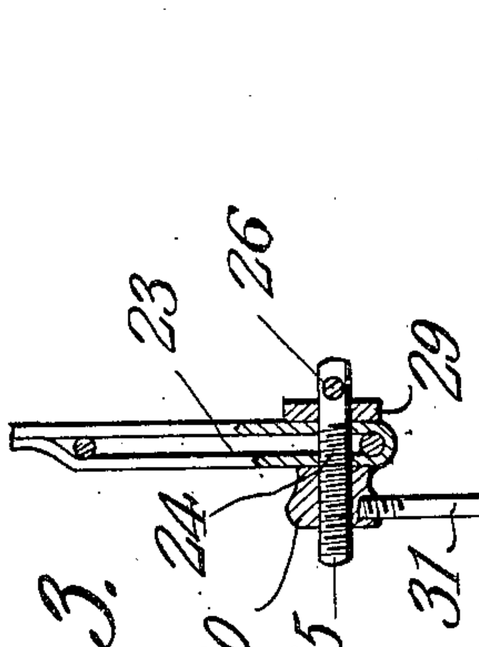


Fig. 3.

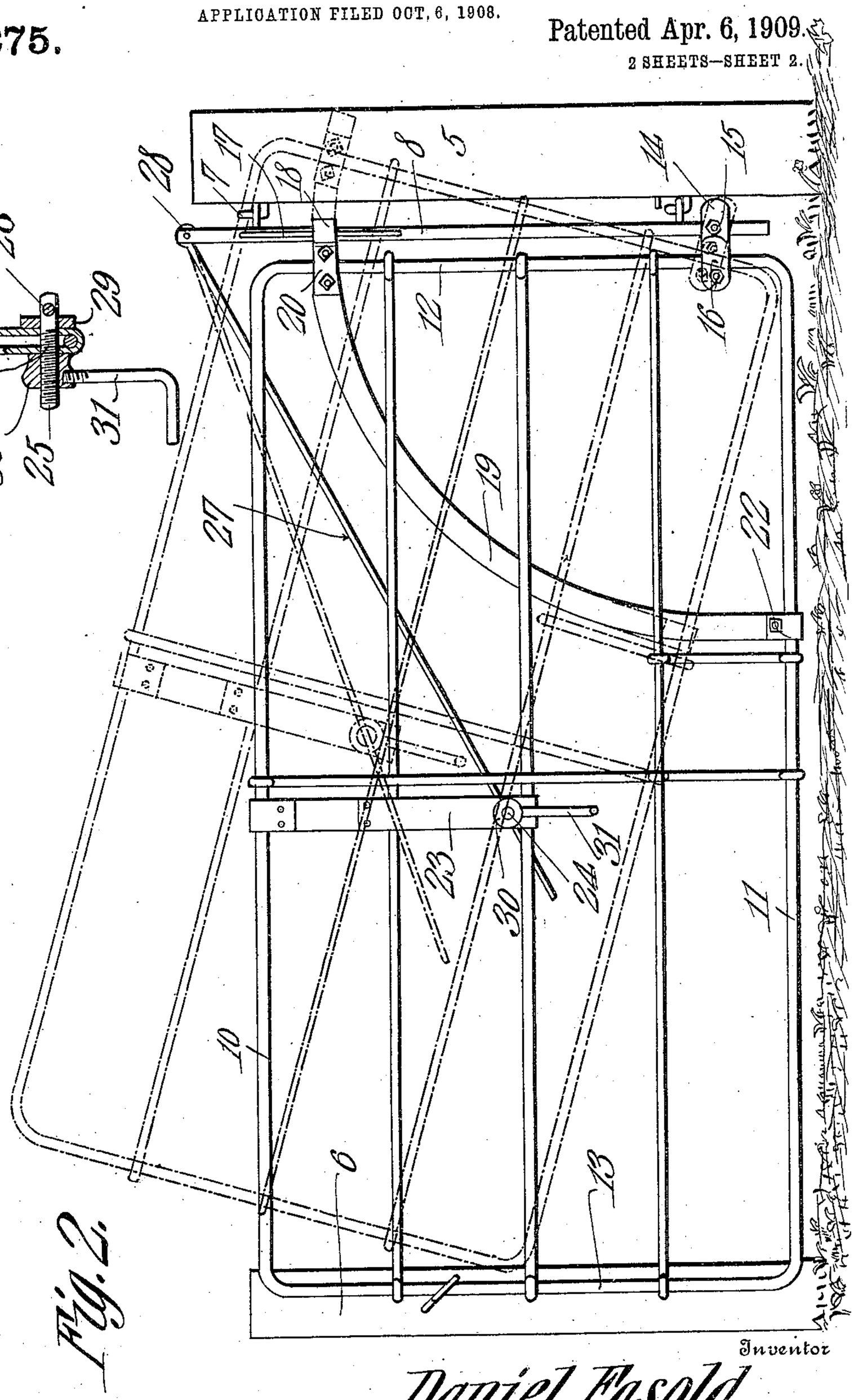


Fig. 2.

Witnesses

E. J. Clemmit.

H. G. Smith.

Inventor

Daniel Fasold.

By Chas. Snow & Co.

Attorneys

UNITED STATES PATENT OFFICE.

DANIEL FASOLD, OF KESWICK, IOWA.

GATE.

No. 917,275. Specification of Letters Patent. Patented April 6, 1909.

Application filed October 6, 1908. Serial No. 456,379.

To all whom it may concern:

Be it known that I, DANIEL FASOLD, a citizen of the United States, residing at Keswick, in the county of Keokuk and State of Iowa, have invented a new and useful Gate, of which the following is a specification.

The primary object of the present invention is to provide a gate so constructed that it may be swung horizontally as in the ordinary gate, or may be swung vertically and held at various adjustments in its vertical swinging movement so as to permit the passage of small stock, such as pigs and sheep, and yet bar the progress of larger stock, and I also have, as an object, the provision of means whereby the gate may be adjusted bodily vertically, to permit it to swing over irregularities in the road, over snow-drifts and other obstructions.

A further object of the invention is to so construct the means for holding the gate in adjusted position, that, when in lowered position, it may be securely held against being swung vertically through the efforts of small stock in attempting to crawl underneath the gate.

In the accompanying drawings:—Figure 1 is a perspective view of the gate embodying my invention; Fig. 2 is a view in front elevation of the gate, showing, in full lines, the normal position of the gate, and in dotted lines, one of its adjustments in its vertical swinging movement, and Fig. 3 is a detail vertical sectional view through the adjusting device for the gate.

In the drawings, the hinge post from which the gate is supported is indicated by the numeral 5, and the latch post by the numeral 6. The hinge post 5 is provided with the usual pintles 7, and in supporting the gate from the said hinge post, I employ a hinge bar 8, which is formed or provided with eye members 9, which are engaged with the said pintles 7, the bar being in this manner supported for swinging movement on the said hinge post.

While the gate frame may be of any ordinary or desired construction, it includes a top bar 10, a bottom bar 11, and end bars 12 and 13. A plate 14 is secured upon the hinge bar 8 adjacent the lower end thereof, by means of a bolt 15, which is passed through the hinge bar and through the plate, and serves to hold the plate rigid thereon, and bolted to this plate 14 is a plate 16, between which and the plate 14, and between the securing bolts, is received the end bar 12 of the gate frame.

A guide 17 is fixed or formed upon the hinge bar 8 and extends parallel thereto and is received loosely in an off-set bearing 18, formed at the upper end of an arcuate guide bar 19, the end bar 12 of the gate frame being connected also to said end of the arcuate bar 19 by means of a plate 20, which is secured to the said off-set end of the bar 19 by means of bolts 21, the end bar of the gate being confined in the said off-set end 18 of the bar, the plate 20, and the bolts 21, as is the case of the plates 14 and 16 and the securing bolts therefor, it being understood that by loosening these bolts, the gate may be adjusted bodily vertically, and the bolts then tightened to hold it in adjusted position. In other words, the gate may be adjusted to bring its bottom bar 11 at various elevations above the road, so as to permit the swinging of the gate above a snow-drift, or over irregularities or obstructions in the road. The lower end of the arcuate bar 19 is bent back upon itself as at 22, and embraces the bottom bar 11 of the gate frame, it being understood that when the gate is in its normal position, as illustrated in full lines in Figs. 1 and 2 of the drawings, it will be firmly supported by pivotal connection with the hinge bar 8, and by engagement of the off-set bearing portion 18 of the arcuate bar 19 with the guide 17, it being understood however that when the gate is swung vertically upon its pivot 15, the said bar 19 will move through the guide 17.

A bearing plate 23 is fixed upon the gate frame, and through this plate is passed a stem 24 which is threaded as indicated by the numeral 25, except adjacent one end, it being formed at this end with an opening 26, through which is slidably received a rod 27, the said rod being pivoted at its upper end as at 28 to the upper end of the hinge bar 8 of the gate. A washer 29 is engaged upon the stem 24 between the said bar 26 and the plate 23, and threaded upon the stem is a collar 30, carrying a crank handle 31, by means of which the said collar may be rotated. When the collar 30 is rotated in one direction, the stem will be fed in the direction of its length, and will bind the rod 27 against the washer.

It will be understood that by rotating the crank handle, the rod 27 will be relieved of the binding strain mentioned above and the

gate may be swung vertically upon its pivot 15 to the desired position after which the handle may be turned in a reverse direction to hold the gate in adjusted position.

Having described my invention, what I claim as new, and desire to secure, by Letters Patent, is:—

In a gate, a swinging hinge bar, a gate frame, means pivotally connecting the gate frame with the hinge bar for vertical swinging movement and for swinging movement with the said hinge bar, a bearing plate upon the gate frame, a stem passed through the bearing plate and provided with an opening, a rod pivoted to the hinge bar and extending through the opening in the said stem, and means upon the stem for adjusting the same in the direction of its length to bind the said rod against the said bearing plate.

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

DANIEL FASOLD.

Witnesses:
H. M. Price,
A. W. Kadel.