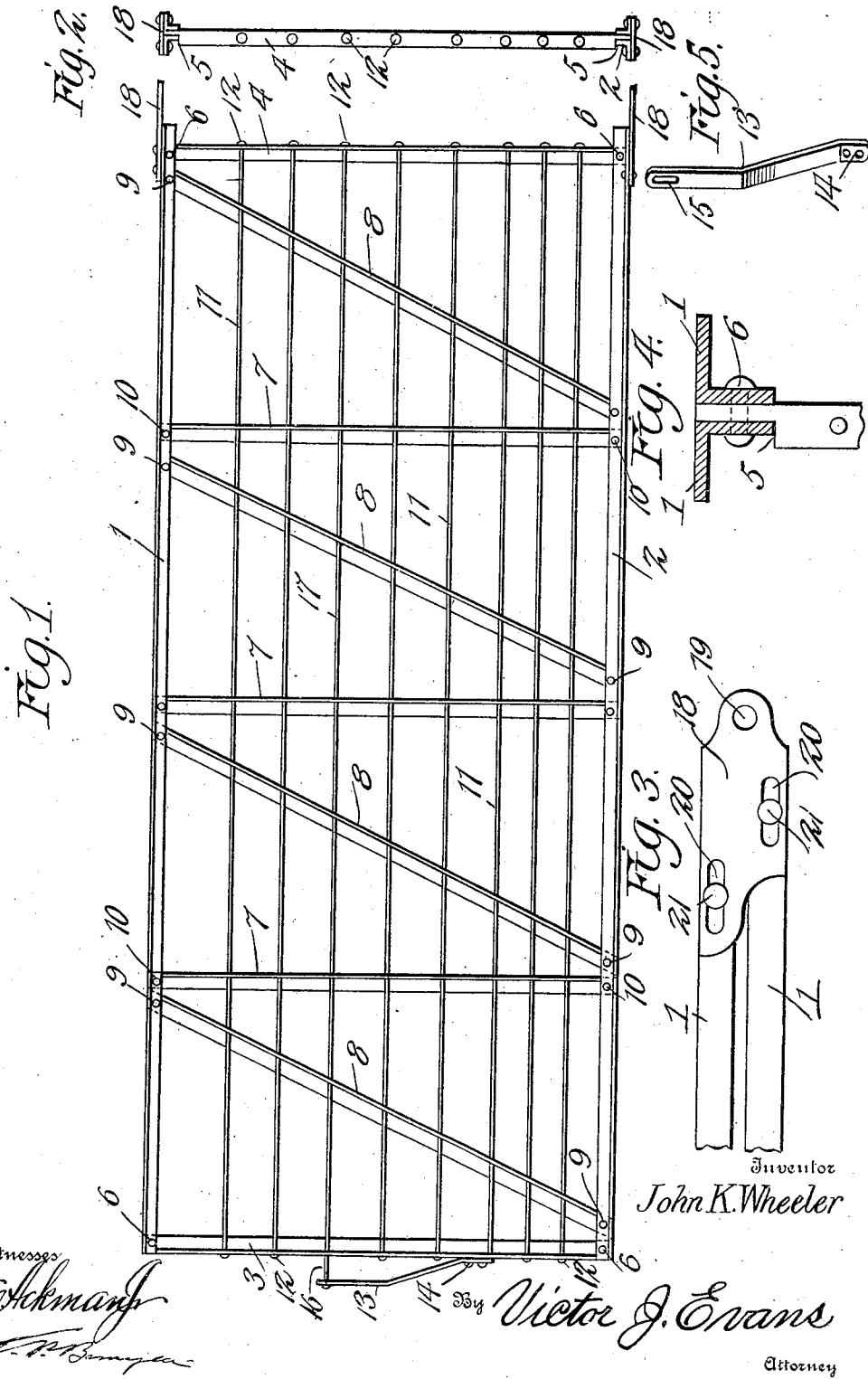


No. 880,945.

PATENTED MAR. 3, 1908.

J. K. WHEELER.
GATE.

APPLICATION FILED FEB. 19, 1907.



UNITED STATES PATENT OFFICE.

JOHN K. WHEELER, OF CERRO GORDO, ILLINOIS.

GATE.

No. 880,945.

Specification of Letters Patent.

Patented March 3, 1908.

Application filed February 19, 1907. Serial No. 358,225.

To all whom it may concern:

Be it known that I, JOHN K. WHEELER, a citizen of the United States of America, residing at Cerro Gordo post-office, but in Oakley township, in the county of Macon and State of Illinois, have invented new and useful Improvements in Gates, of which the following is a specification.

This invention relates to gates, and one of the principal objects of the same is to provide a strong, durable, and inexpensive farm gate to be composed wholly of angle bars and stretcher rods.

Another object of the invention is to provide a gate of this character with adjustable hinges and a spring latch, all made of metal.

These and other objects may be attained by means of the construction illustrated in the accompanying drawing, in which:

Figure 1 is a side elevation of a metal gate made in accordance with my invention. Fig. 2 is an elevation of the hinge end of the gate. Fig. 3 is a detail plan view of the upper hinge member. Fig. 4 is a detail vertical section. Fig. 5 is a detail perspective view of the spring latch member.

Referring to the drawing for a more particular description of my invention, the numerals 1 designate the oppositely disposed angle iron top rails of the gate, and 2 designates the similarly disposed bottom rails of the gate, also formed of angle iron bars. The end bars 3, 4, of the gate are also formed of angle iron bars, one of the flanges of which is cut away, as at 3, Fig. 5, to accommodate the top and bottom rails, said rails being secured to the bars 3 and 4 by means of a rivet 6. Upright angle iron bars 7 are secured in like manner to the top and bottom rails 1 and 2, and inclined angle iron bars 8 extend from near the bottom ends of the upright bars, to near the upper ends of the next adjacent bars, as shown in Fig. 1, said inclined bars being also secured to the top and bottom rails of the gate by means of rivets 9, the upright bars being secured by rivets 10. Longitudinal rods or wire stretchers 11 extend through the flanges of the vertical bars 7, the inclined bars 8, and the end bars 3 and 4, said rods or wires being headed up outside the end bars 3 and 4, as shown at 12, Fig. 1.

A spring latch 13, shown in detail in Fig. 5, is secured by bolts 14 to the end bar 3, said latch being provided with a slot 15 near its upper end to engage the extended portion 16 of a rod 17 extending longitudinally of the gate through the flanges of the angle iron bars in a manner similar to the rods 11. The spring latch may be moved inward upon the projecting portion 16 of the rod 17 to engage a suitable catch. The hinge members 18 are each provided with an aperture 19 for the pintle of the hinge, and said members are each provided with slots 20 for rivets 21 passing through said slots and through the flanges of the top and bottom rails 1 and 2.

From the foregoing it will be obvious that a gate made in accordance with my invention will be exceedingly strong and durable, is made up entirely of angle iron bars and stretcher rods, that the hinge members of the gate may be adjusted to sustain the gate at the required adjustment to swing properly, and that the spring catch is of simple construction and cannot readily get out of order.

Having thus described the invention, what I claim is:

The herein described gate comprising top and bottom rails made of oppositely disposed angle iron bars, angle iron uprights, end bars, diagonal braces secured to the top and bottom rails, stretcher rods extending through the flanges of the uprights, diagonal braces and end bars, adjustable hinges for said gate, each comprising a plate having a pintle hole therein and provided with slots through which the attaching rivets extend to secure the hinge members to the angle iron rails at the top and bottom of the gate, a rod extending through the flanges of the uprights, diagonal bars and end bars, said rod extending beyond one of the end bars of the gate, and a spring latch secured to said end bar and provided with a slot at its upper end to engage the extended end of said rod, substantially as described.

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

JOHN K. WHEELER.

Witnesses:

EARL GRISWOLD,
JOHN W. VENTS.