

(No Model.)

W. KENNEDY.
GATE.

No. 568,688.

Patented Sept. 29, 1896.

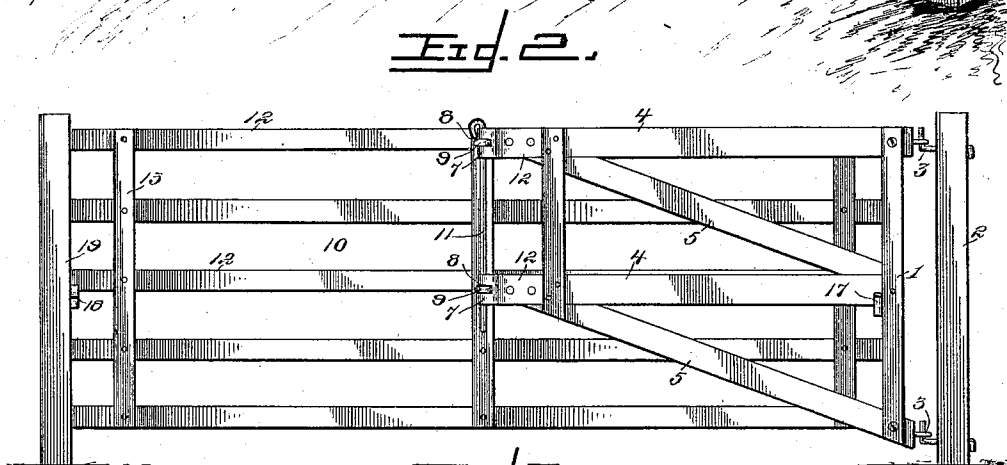
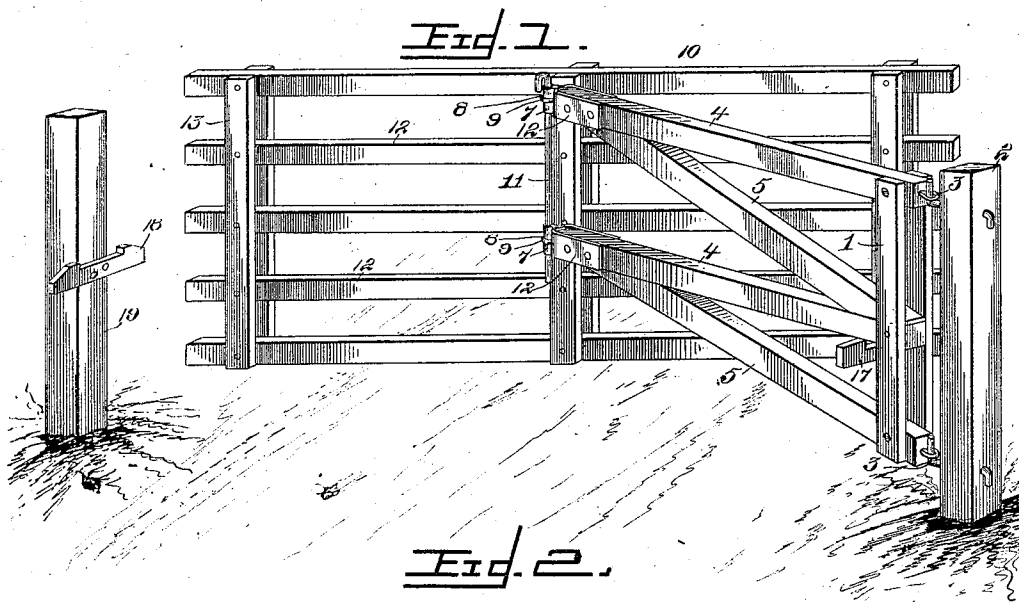


Fig. 5.

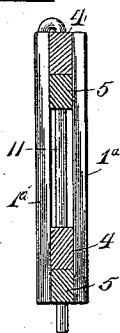


Fig. 3.

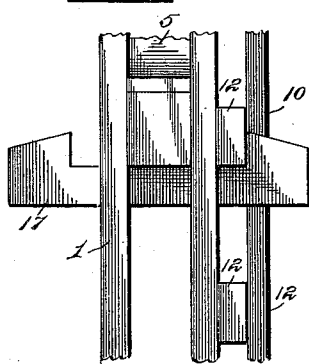
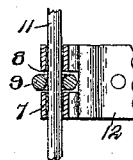


Fig. 4.



Witnesses

M. J. Ladd
J. F. Riley

By his Attorneys,

Inventor
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UNITED STATES PATENT OFFICE.

WARD KENNEDY, OF ROCKVILLE, INDIANA.

GATE.

SPECIFICATION forming part of Letters Patent No. 568,688, dated September 29, 1896.

Application filed April 14, 1896. Serial No. 587,530. (No model.)

To all whom it may concern:

Be it known that I, WARD KENNEDY, a citizen of the United States, residing at Rockville, in the county of Parke and State of Indiana, have invented a new and useful Gate, of which the following is a specification.

The invention relates to improvements in gates.

The object of the present invention is to improve the construction of swinging gates and to provide a simple, inexpensive, and efficient one, which will enable an operator to open and close it while standing within reach of his team.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is a perspective view of a gate constructed in accordance with this invention and shown partly open. Fig. 2 is a side elevation of the same, the gate being closed. Fig. 3 is a detail view illustrating the construction of the inner latch. Fig. 4 is a detail view illustrating the manner of hinging the gate to the hanger. Fig. 5 is a detail view illustrating the manner of supporting the outer end of the double crane or hanger when exceedingly heavy gates are employed.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a swinging frame or hanger connected with a post 2 by any desired form of hinge 3 and composed of a pair of horizontally-disposed bars 4, a pair of inclined bracing-bars 5, and vertical connecting-bars arranged at the inner ends of the horizontal bars and inclined braces at opposite sides thereof. By this construction the hanger is provided with a double truss or crane, and great strength and durability are thereby insured. The double crane carries the gate steady, preventing it from tilting up or down while it is swinging in opening or closing.

When the double crane is designed to carry exceedingly heavy gates, it may be supported, adjacent to the gate, by a pair of braces 1^a, constructed of any suitable material, located at opposite sides of the horizontal bars 4 and

the inclined bracing-bars 5 and secured at their terminals to the same by any suitable fastening devices, as illustrated in Figs. 2 and 5 of the accompanying drawings; but these braces 1^a, which are arranged vertically, may be omitted, if desired, as illustrated in Fig. 1 of the accompanying drawings.

The horizontal bars 4 of the hanger are provided at their outer ends with vertically-alined eyes 7, which are horizontally bifurcated or slotted at 8 for the reception of upper and lower eyes 9 of a gate 10, and the eyes 7 and 9 are connected by a vertically-disposed pintle-rod 11. The pintle is provided at its upper end with a hook, and it may be readily removed to detach the gate from the hanger when desired. The eyes 7 are provided with metal straps or plates 12, which embrace the outer ends of the horizontal bars 4 and prevent the same from splitting or the like.

The gate 10, which has the eyes vertically alined at its center, may be of any desired construction, but is preferably composed of horizontal rails 12 and vertical bars 13, disposed in pairs and arranged at opposite sides of the rails and located at the ends and at an intermediate point of the gate. The horizontal rails extend beyond the end bars of the gate, and one of them is adapted to engage inner and outer latches or keepers 17 and 18. The latches are double, projecting from opposite sides of the hanger and a latch-post 19, and the gate, which is centrally hinged to the outer end of the hanger, is capable of closing at either side of the latter, and when closed is rigidly held in such position to prevent hogs or other animals from opening it.

The gate may be readily opened by an operator while he is standing close to a team and without leaving the same. In operating the gate to open it its free end is disengaged from the outer latch, and it is swung a short distance on the hinges of the hanger sufficiently to enable its front end to clear the latch-post. The inner end of the gate is then disengaged from the inner latch, which permits the gate to swing on its hinges, and it is then turned longitudinally of the roadway and swung open on the hinges of the hanger.

It will be seen that the gate is simple and inexpensive in construction, that it possesses

great strength and durability, and that when it is closed it will be held perfectly rigid to prevent it from being opened by hogs or the like. It will also be apparent that it will enable an operator to open and close it without getting beyond the reach of his team.

Changes in the form, proportion, and minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention.

What I claim is—

The combination of a hinge-post, a swinging hanger mounted on the hinge-post and comprising a pair of parallel horizontally-disposed bars 4, the inclined braces 5 supporting the outer ends of the horizontal bars and forming a double-truss frame, and vertical connecting-bars located at the inner end of

the hanger, the vertically-alined eyes located at the outer ends of the horizontal bars 4, provided with horizontal bifurcations and having straps or plates embracing and secured to the opposite faces of the bars 4, a gate provided with centrally - arranged vertically-alined eyes fitting in the bifurcations of the eyes of the hanger, and a removable pintle-rod arranged in said eyes and provided at its upper end with a hook engaging the upper eye of the hanger, substantially as described.

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

WARD KENNEDY.

Witnesses:

HENRY DANIELS,
H. S. KENDRICK.