(No Model.)

# T. J. ANDRE.

## GATE.

No. 505,212. Patented Sept. 19, 1893.

Fig. 1.

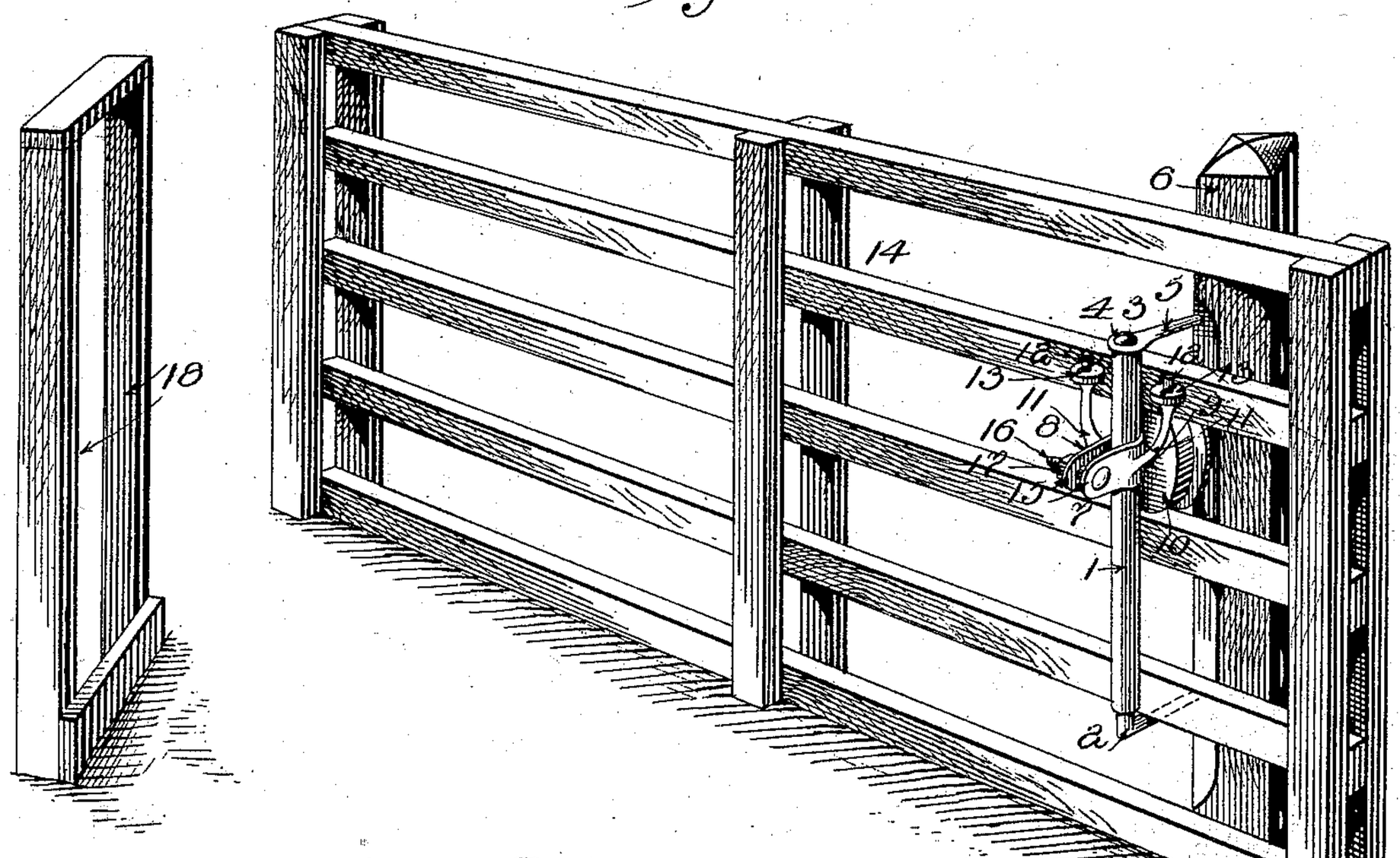





Fig. 2.

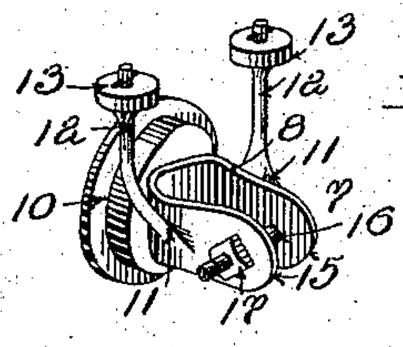


Fig. 3.

Witnesses

Arthur Ashley

N. C. Riley

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By his Attorneys.

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# UNITED STATES PATENT OFFICE.

THOMAS J. ANDRE, OF WAUSEON, OHIO.

## GATE.

SPECIFICATION forming part of Letters Patent No. 505,212, dated September 19, 1893.

Application filed May 31, 1893. Serial No. 476,127. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS J. ANDRE, a citizen of the United States, residing at Wauseon, in the county of Fulton and State of Ohio, 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 sliding and swinging gates, and to provide a simple and inexpensive one which may be readily adjusted vertically to clear obstructions, such as snow or the like, and to afford a passage for small animals.

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 claims hereto appended.

In the drawings: Figure 1 is a perspective view of a gate constructed in accordance with this invention. Fig. 2 is a vertical sectional view. Fig. 3 is a detail perspective view of the adjustable hanger with its rollers.

Similar numerals of reference indicate corresponding parts in the several figures of the drawings.

1 designates a vertical tubular bar or pipe forming a pintle and having a bore or opening providing sockets to receive a lower L-shaped pintle 2, and an upper bolt 3, which is arranged in an eye 4, of a rod 5, and pivots the vertical bar 1 thereto. The pintle 2 and the rod 5 extend horizontally from a hinge-post 6, and the rod 1, which is pivoted and adapted to turn on the bolt 3 and the pintle 2, supports a vertically-adjustable hanger 7.

The adjustable hanger consists of a clamp 8, a horizontal spindle 9, on which is mounted a vertically-disposed roller 10, and arms 11, terminating in vertical spindles 12, on which are journaled horizontal rollers 13. The vertically-disposed roller 10 is provided, at its outer edge, with a flange to prevent the gate from slipping off from it, and it serves to support the weight of the gate and enables the latter to be moved longitudinally preparatory to swinging. The arms 11 extend horizontally from opposite sides of the clamp, and the horizontal rollers engage one of the horizontal rails of the gate 14 and enable the sliding of the latter to be without friction.

The clamp is composed of opposite sides or jaws 15, receiving between them the vertical bar 1 and extending beyond the same and connected by a clamping-bolt 16, which is provided with a nut 17. By means of the clamp the hanger may be adjusted vertically on the bar 1 and readily secured at the desired adjustment for the purpose of raising and lowering the gate to enable the latter to clear obstructions and to afford a passage way or space beneath the gate for small animals, and also to accommodate itself to the arrangement of the bars of the gate.

The gate may be readily detached by removing the bolt or headed pin 3, and it will be readily apparent that the means for hanging the gate and enabling the same to slide and swing are simple and comparatively inexpensive in construction, and are adapted to enable the sliding and swinging of the gate to be frictionless. The pintle 2, and the rod or bolt 5, extend horizontally from one corner of the hinge-post to permit the necessary movements of the gate.

The latch-post or frame 18 consists of a pair of bars or uprights connected by a top and providing a space to receive the adjacent end of the gate.

Changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention, such as employing an ordinary set screw or clamping screw for engaging the vertical tubular bar, instead of a clamp of the form shown in the drawings.

What I claim is—

1. The combination of a hinge-post, a vertical bar pivotally connected therewith, and a vertically-adjustable hanger having a horizontal roller and provided with a clamp securing it to the vertical bar, substantially as described.

2. The combination of a hinge-post, a vertical bar pivotally connected therewith, a vertically-adjustable hanger having a horizontal spindle and provided with a clamp arranged on and engaging the vertical bar, a vertical roller arranged on the spindle, and a gate

supported on the roller, substantially as described.

3. The combination of a hinge-post, a vertical bar pivotally connected therewith, a vertically-adjustable hanger having a horizontal spindle and provided with horizontal arms terminating in vertical spindles, means for securing the hanger to the bar, rollers arranged on the spindles, and a gate arranged on and supported by the rollers, substantially as described.

4. The combination of a hinge-post, a vertical bar pivotally connected therewith, a vertically-adjustable hanger provided with a clamp to secure it to the bar and having a horizontal spindle and provided with oppositely-disposed horizontal arms having vertical spindes, rollers arranged on the spindles, and a sliding and swinging gate mounted on and supported by the rollers, substantially as described.

5. The combination of a hinge-post provided with an upper horizontal eye and having a lower vertical pintle, a vertical rod provided at its ends with sockets and mounted on the pintle, a bolt or pin arranged in the eye and the upper end of the bar, a hanger comprising a clamp receiving and engaging the vertical bar, a horizontal spindle and oppositely-disposed arms terminating in vertical spindles, a vertical roller arranged on the horizontal spindle, a gate supported by the vertical roller, and horizontal rollers arranged on the vertical spindles and forming a frictionless bearing for the gate, 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.

THOMAS J. ANDRE.

Witnesses:
H. E. RANDALL,
GRACE L. RANDALL.