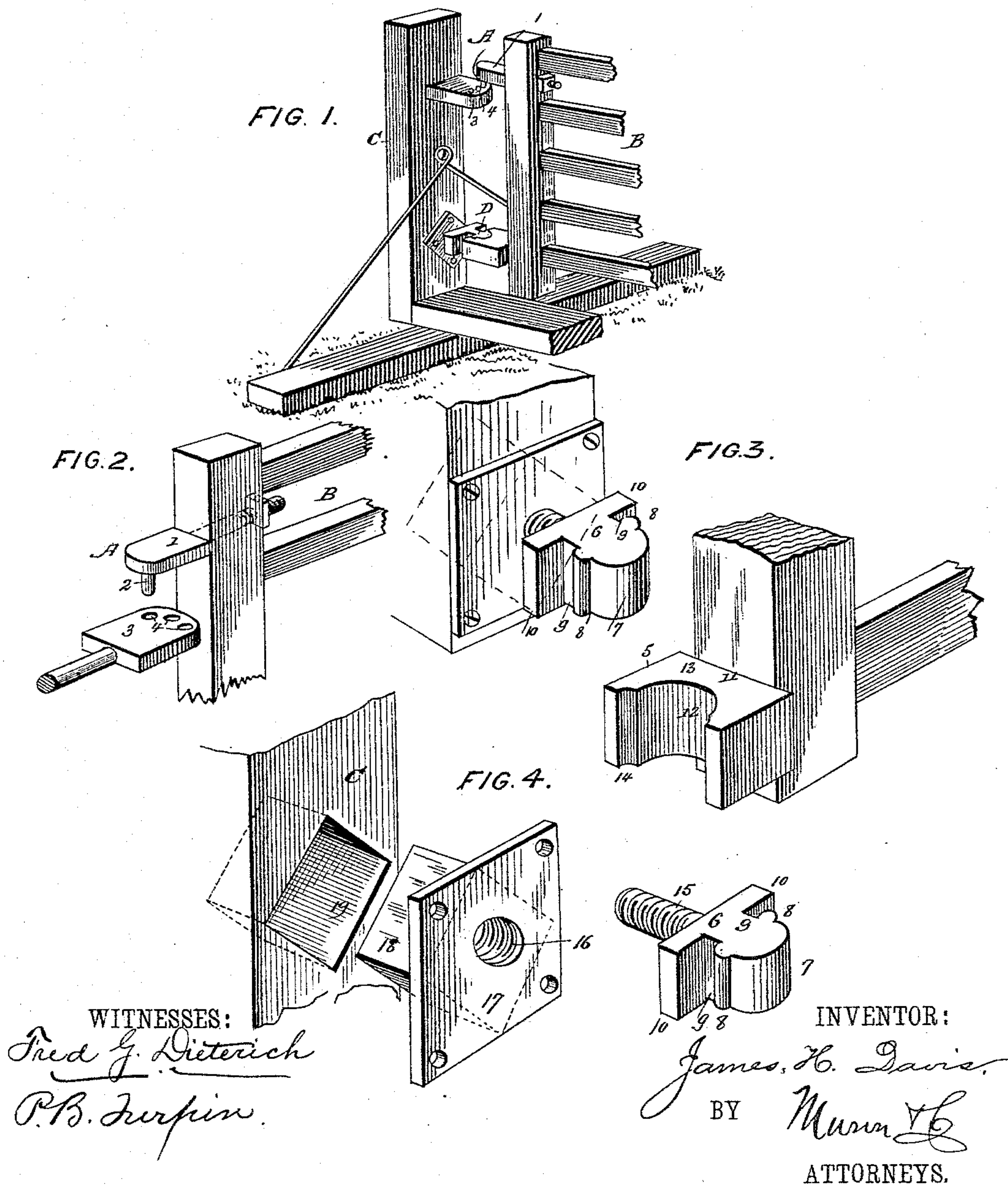


(No Model.)

J. H. DAVIS.
GATE HINGE.

No. 387,771.

Patented Aug. 14, 1888.



UNITED STATES PATENT OFFICE.

JAMES H. DAVIS, OF DANVILLE, KENTUCKY.

GATE-HINGE.

SPECIFICATION forming part of Letters Patent No. 387,771, dated August 14, 1888.

Application filed January 29, 1887. Serial No. 225,938. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. DAVIS, of Danville, in the county of Boyle and State of Kentucky, have invented a new and useful Improvement in Gate-Hinges, of which the following is a specification.

This invention is an improvement in gate-hinges, which hinges, while capable of a more general use, are intended especially for use with gates which may be opened by persons approaching from either side; and the invention consists in certain features of construction and novel combinations of parts, as will be hereinafter described and claimed.

In the drawings, Figure 1 is a perspective view of a part of a gate embodying my improvements. Fig. 2 is a detail view illustrating the upper hinge, and Figs. 3 and 4 are detail views illustrating the lower hinge.

The upper hinge, A, is formed of a part, 1, secured to the gate B and having a pin, 2, and the part 3, secured to the hinge-post C and having one, two, or more perforations, 4, fitted to receive the pin 2 of the part 1. It is preferred to use a plurality of perforations 4, as shown, in order that the gate may be adjusted to act in the manner desired. The lower hinge, D, is formed with sections 5 and 6. The hinge-section 6 has a head formed with a bearing, 7, and with side ribs, 8, back of which I form grooves 9, and the head has flanges 10 in rear of said grooves 9. The hinge-section 5 is secured to the gate and has its head 11 provided with a socket or recess, 12, formed with a main portion, 13, and depressions 14 to fit the head of hinge-section 6 in the different positions of the parts.

From the head of part 6, I project a pivot-pin, 15, which enters an opening, 16, in pivot-plate 17. This pivot-plate has on its rear side a non-circular projection or portion, 18, which fits a corresponding opening, 19, in what, for convenience of reference, I term the "base-plate." In the construction shown the post C constitutes such base-plate. The opening 16, it will be seen, is arranged eccentrically to the portion 18, so that by setting the pivot-plate rotarily to different adjustments by removing

it and replacing its portion 18 in opening 19 in different relations the pivot-opening 16 may be set toward one or the opposite side of the hinge-post, as may be desired, in order to secure the gate in vertical alignment.

The gate, it will be seen, may be opened by a person approaching it from either side.

Manifestly the gate proper may be of ordinary construction, and the invention can be easily applied to a common farm-gate.

The pivot-plate 17 may be secured by screws or otherwise to the post C. Usually the pivot-pin 15 is threaded and fits a suitable thread in the socket of block 17, although manifestly in a common farm-gate the pin 15 might be screwed directly into the post without the intervention of plate 17; but I prefer the construction as shown and before described.

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

1. The pivot-plate having a non-circular portion and provided with an opening arranged eccentrically to said portion, the hinge-section having a pin fitted to said eccentric opening, and the second section or strap fitted to said first section, all combined substantially as set forth.

2. In a hinge, a pivot plate or section having a non-circular portion and provided with an opening arranged eccentrically to said non-circular portion, combined with a hinge-section adapted to receive or coact with another hinge-section and having a pin or stem fitted to enter said opening, all substantially as and for the purposes specified.

3. The improved hinge herein described, comprising the hinge-section 6, having main rounded bearing 7, and provided at the opposite sides thereof with ribs 8 8, and the hinge-section 5, having a socket or recess formed with a main portion, 13, and with depressions 14 14 at the opposite sides of such portion 13, substantially as and for the purposes specified.

JAMES H. DAVIS.

Witnesses:

JNO. T. VAN WINKLE,
CHAS. H. RODES.