

L. TALCOTT.
Fastening for End-Gate of Wagons.

No. 222,099.

Patented Nov. 25, 1879.

Fig: 1.

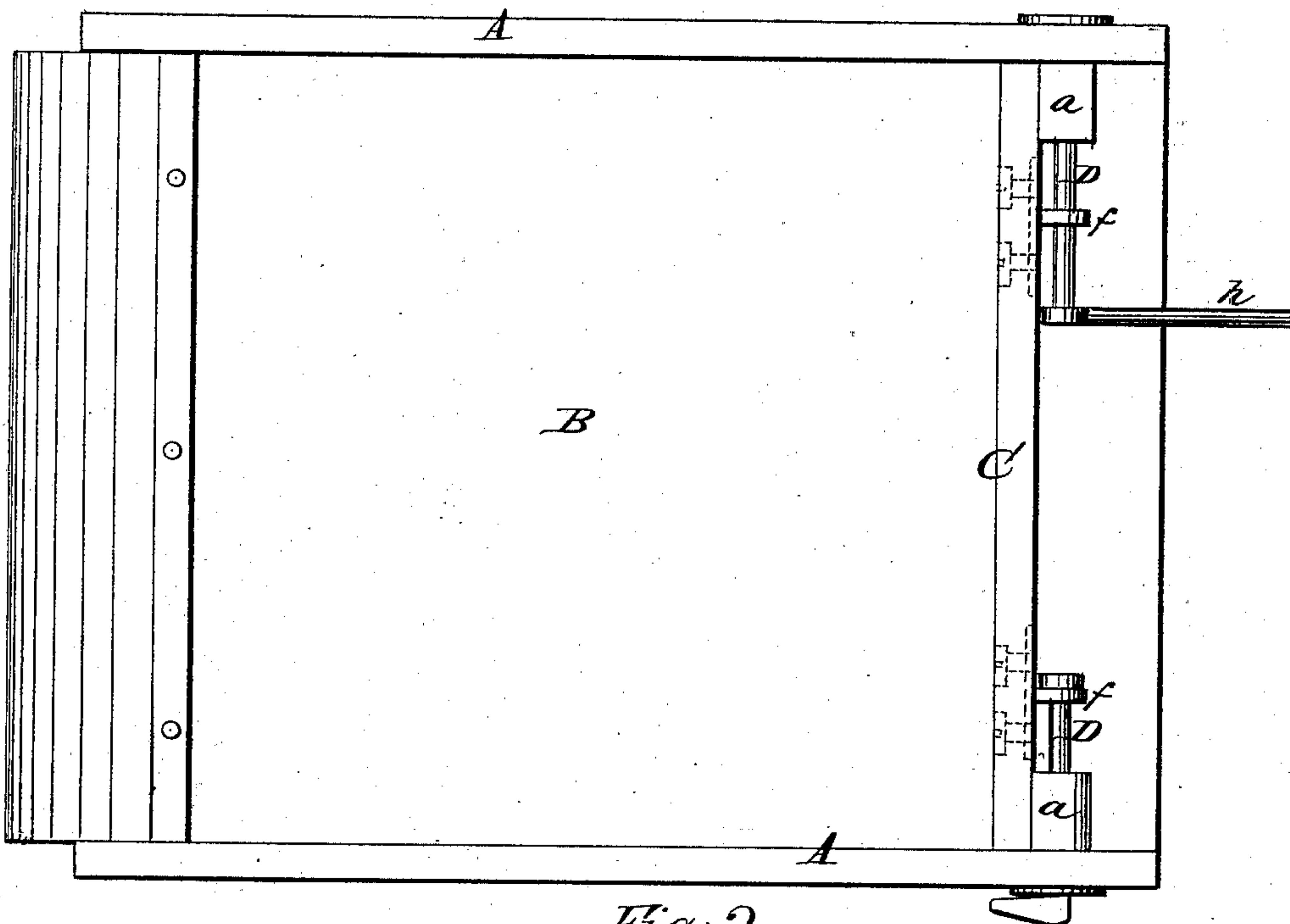
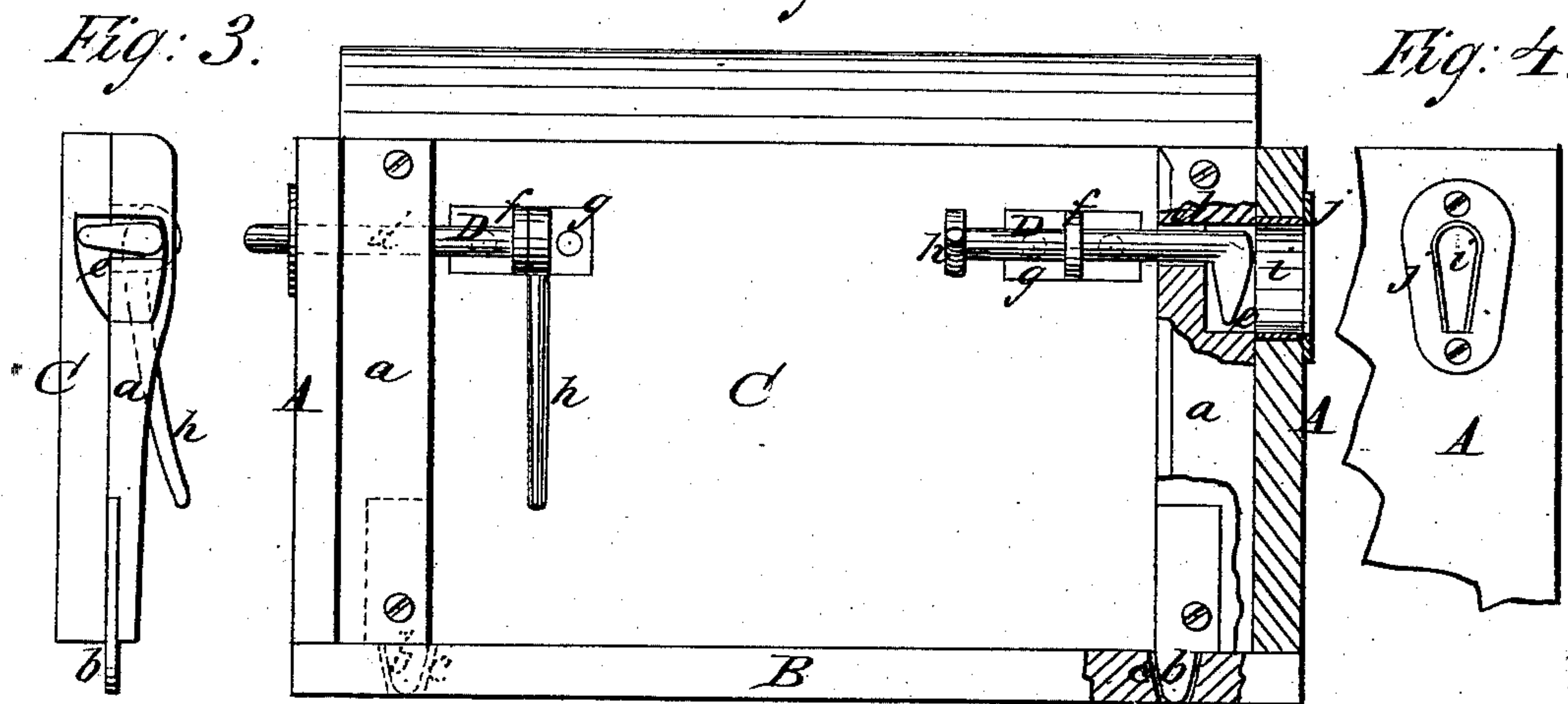


Fig: 2.



WITNESSES:

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LEVI TALCOTT, OF MINETTO, NEW YORK.

IMPROVEMENT IN FASTENINGS FOR END-GATES OF WAGONS.

Specification forming part of Letters Patent No. **222,099**, dated November 25, 1879; application filed August 16, 1879.

To all whom it may concern:

Be it known that I, LEVI TALCOTT, of Minetto, in the county of Oswego and State of New York, have invented a new and Improved Vehicle End-Gate Fastener, of which the following is a specification.

The object of my invention is to furnish a simple, economical, and efficient device for fastening the end-gates of vehicles to the sides and bottom.

It consists of bolts provided with V-shaped right-angular heads, held in a horizontal position, so as to be shot out from the ends of the gate and pass through mortises in the vehicle-sides, where they are turned up at right angles to the mortise, thus fastening the sides and end-gate together, and by the action of the heads the sides are drawn closely against the ends of the gate.

In the accompanying drawings, Figure 1 represents a wagon-body with the end-gate provided with my improved fasteners—one shot out to fasten the end and side together, and the other drawn in. Fig. 2 is an elevation of the end-gate with the fasteners, one side in section to expose the position of the fastener when drawn back. Fig. 3 is an end view of the end-gate and fastener; and Fig. 4 is a face view of the eyelet inserted in the mortise through which the fastener passes.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A A are the sides of the body. B is the bottom, and C is the rear end-gate.

On the outside of the gate at each end, flush with the edges, are cleats *a a*, having on the ends, so as to project beyond the bottom edge of the gate, studs *b b*, which enter sockets *c* in the bottom, when the end-gate is put in, and thus secure this edge in place.

In the upper part of the cleats, near the top edge of the gate, horizontal holes *d* are made through, communicating on the outside with recesses *e*, made partly in the edge of the cleat and partly in the end of the gate, as clearly shown in Fig. 3.

D D are the bolts passed through holes *d* in the cleats, and the eye *f*, fixed to plate *g*, fastened to the gate. On the outer end of the bolt is a V-shaped head at right angles to the length of the bolt, and on the inner end is a lever, *h*, at right angles to the head.

In the sides of the body at the ends, and directly in line with the bolt-heads, are vertical slots *i*, inclosed and faced with a flanged eyelet, *j*.

This fastener is used in the following manner: The gate is placed between the sides with the studs *b* in their sockets. The bolts then occupy the position shown in Fig. 3. The heads are sheathed in recesses *e*, while the handles hang down, their weight carrying them into that position. The gate is now held so that the bolts are in line with slots *i*, and the heads are at right angles to the slots. The handles *h* are now raised to a position at right angles to the gate, turning the heads in line with the slots. The bolts are now shoved or shot out, the heads passing through slots *i*. The handle is now turned down again, when the inclined edge of the head bearing on the face plate or flange of the eyelet draws the sides close to the end of the gate, and, assuming a position at right angles to the slot, as shown on one side of Fig. 1, locks the end-gate in place.

The weight of the handle *h* prevents the bolt from turning, so there is no liability whatever of the gate becoming unfastened by the heads working through the slot.

To unfasten the gate the handles are turned up, as before, and the bolts drawn back, when the heads immediately assume the position in the recess shown in Fig. 3.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. As an improvement in end-gate fasteners, the bolts D, provided with V-shaped heads, and handles *h*, at right angles to each other, and adapted to pass through mortises or slots in the vehicle sides, and to be turned up at right angles thereto, substantially as described.

2. The end-gate C, provided with bolts D, having V-shaped heads, and handles *h*, at right angles to each other, and recesses *e*, to receive the heads when drawn back, in combination with the sides A, provided with vertical slots *i*, in line with the bolts D, substantially as described.

LEVI TALCOTT.

Witnesses:

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O. D. SREEVES.