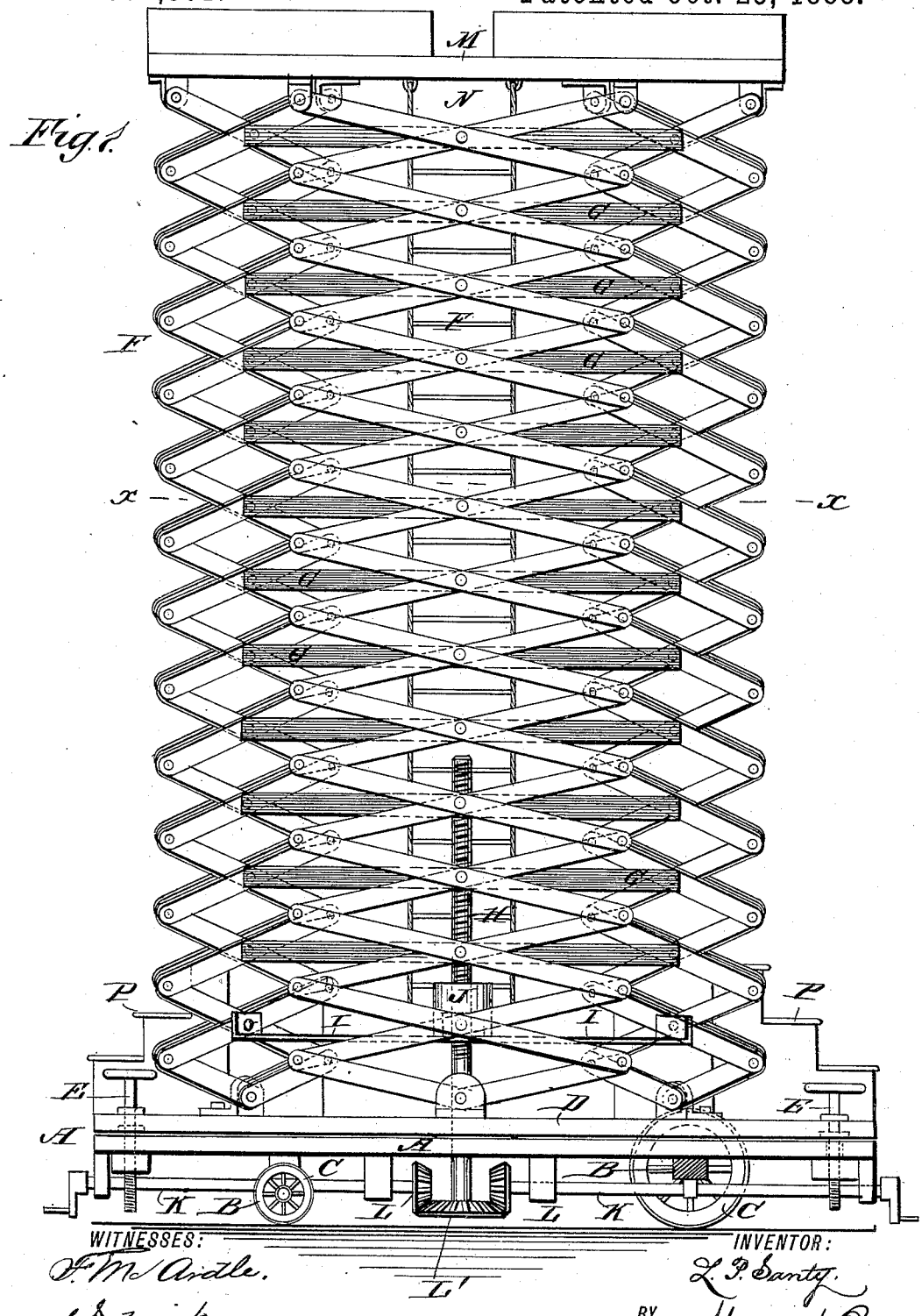
(No Model.) 2 Sheets—Sheet 1.

L. P. SANTY.

FIRE ESCAPE.

No. 391,561. Patented Oct. 23, 1888.

Fig. 1.



WITNESSES:

F. M. Airdle.

C. Sedgwick.

INVENTOR:

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(No Model.) 2 Sheets—Sheet 2.

L. P. SANTY.

FIRE ESCAPE.

No. 391,561. Patented Oct. 23, 1888.

Fig. 2

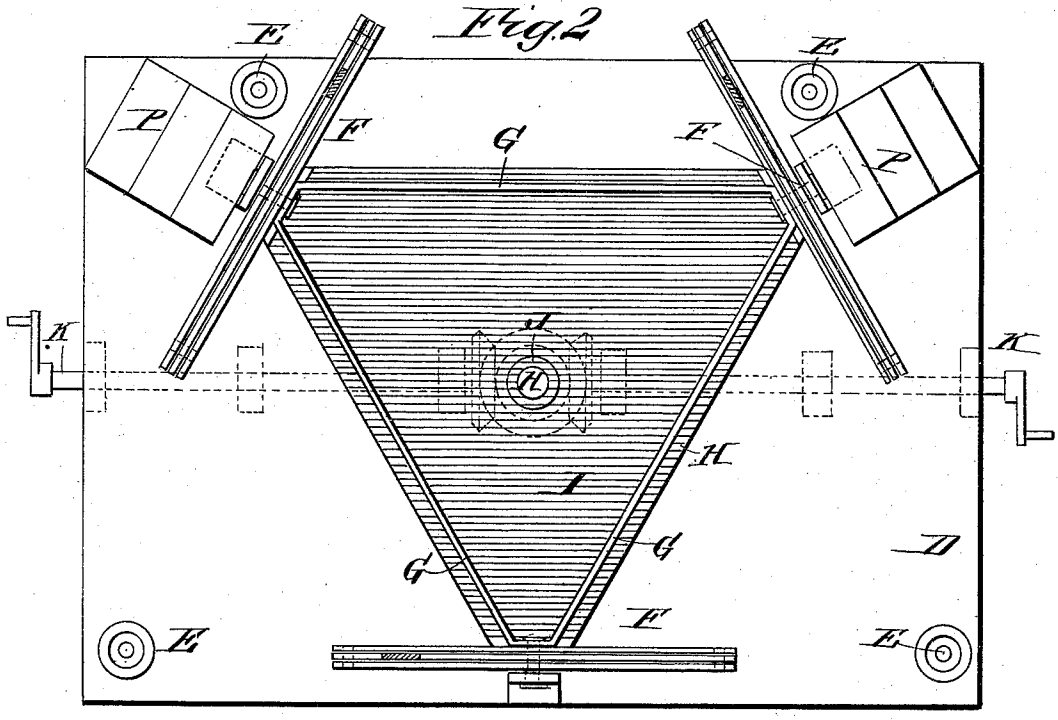
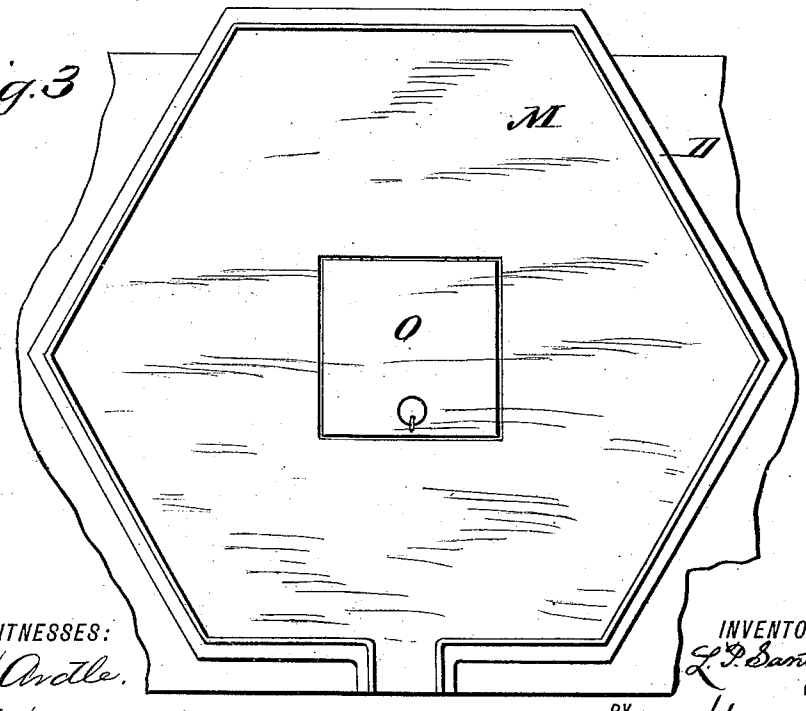


Fig. 3



WITNESSES:

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UNITED STATES PATENT OFFICE.

LOUIS P. SANTY, OF CLEMENTS, KANSAS.

FIRE-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 391,561, dated October 23, 1888.

Application filed June 14, 1888. Serial No. 277,046. (No model.)

To all whom it may concern:

Be it known that I, LOUIS P. SANTY, of Clements, in the county of Chase and State of Kansas, have invented a new and Improved Fire-Escape, of which the following is a full, clear and exact description.

My invention relates to a portable fire-escape mounted on trucks and adapted to be elevated in the street; and the invention consists, principally, of three systems of lazy-tongs connected together and arranged to be elevated and lowered by a screw mounted in the platform of the truck.

The invention also consists of the construction, arrangement, and combination of parts, all as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation of my invention. Fig. 2 is a sectional plan view thereof, taken on the line *x x* of Fig. 1; and Fig. 3 is a plan view showing the top of the fire-escape.

A represents the main platform of a truck, mounted on axles B B and wheels C C. Upon the platform A is mounted another platform, D, having screws E at the corners for tilting it, so that the systems of lazy-tongs F F may be held in perfectly upright position or tipped from the street against the wall of a building.

The lazy-tongs F are mounted upon the platform D, and are united by the series of triangles G G, a set of lazy-tongs being arranged at each corner of the triangle, so that each set of lazy-tongs braces the others, and this renders the whole structure very firm and rigid when elevated.

H is the screw for elevating the lazy-tongs, mounted in the center of the platform A, and I is a triangular plate attached at its corners to the lowermost set of lazy-tongs, and formed in the center with an internally-screw-threaded boss, J, in which the screw H works, as shown clearly in Fig. 1. The screw H is turned by the crank-shafts K and the beveled gears L L'. (Shown clearly in Fig. 1.) By turning the screw H to lift the plate I the three sets of lazy-tongs will be rapidly elevated, and by reversing the screw as rapidly lowered.

At the top of the lazy-tongs F is placed the platform or cage M, on which persons may step from the window of a burning building and be safely lowered to the ground by turning the shafts K; or they may descend by the rope ladder N, suspended from the aperture O in the center of the cage, or they may use the lazy-tongs F as ladders and descend in that manner.

At the corners of the platform D are placed the steps P, by which persons when lowered in the cage M may conveniently descend from the cage to the platform, and thence to the street.

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

1. The combination, with the support D and vertical screw H, of the three sets of united lazy-tongs F and the plate I, attached to the sets of lazy-tongs and connected to the screw H, substantially as described.

2. The three sets of united lazy-tongs F, provided at the top with the cage M, in combination with the screw H, platform D, and plate I, substantially as described.

3. The platform A, mounted on trucks, and the support or upper platform, D, having screws E, for tilting the same, in combination with the lazy-tongs F, plate I, and screw H, substantially as described.

4. The lazy-tongs F, mounted on the platform D, in combination with the screw H, plate I, cage M, and rope ladder N, substantially as described.

LOUIS P. SANTY.

Witnesses:
D. Y. HAMILL,
E. C. NOEL.