

H. KAPPELE.
DOOR FASTENER.
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986,465.

Patented Mar. 14, 1911.

Fig. 1.

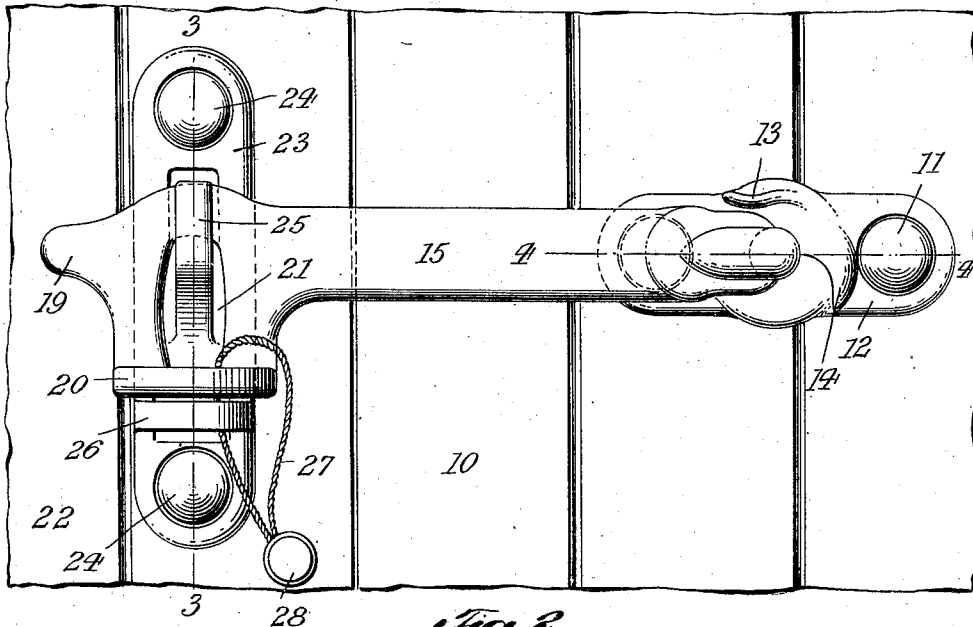


Fig. 2.

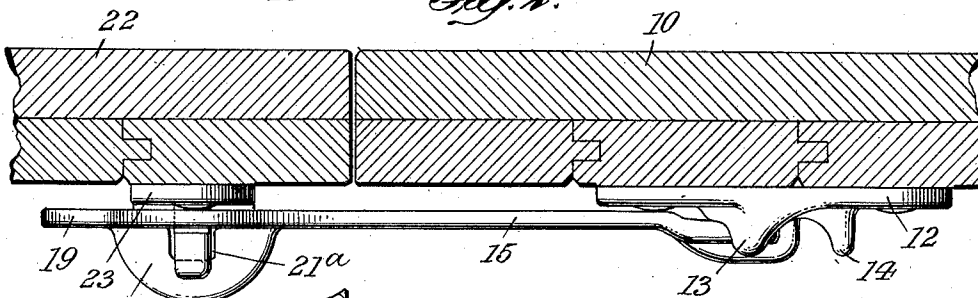
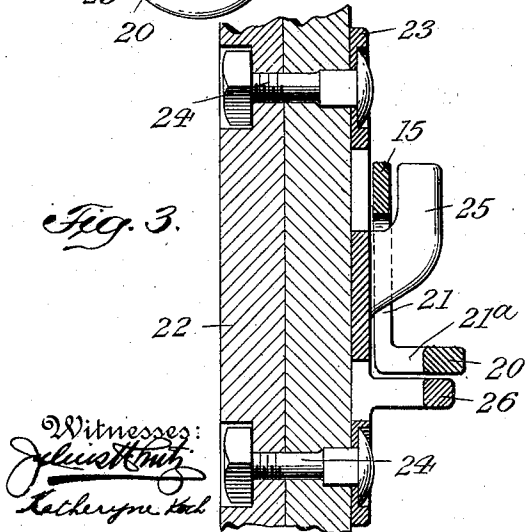
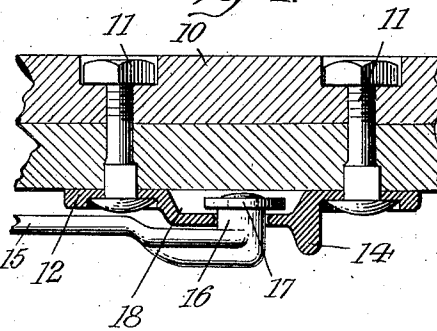


Fig. 3.



Witnesses:
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Fig. 4.



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UNITED STATES PATENT OFFICE.

HENRY KAPPELE, OF STAMFORD, CONNECTICUT.

DOOR-FASTENER.

986,465.

Specification of Letters Patent.

Patented Mar. 14, 1911.

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To all whom it may concern:

Be it known that I, HENRY KAPPELE, a citizen of the United States, residing at Stamford, county of Fairfield, and State of Connecticut, have invented a new and Improved Door-Fastener, of which the following is a specification.

This invention relates to a fastener of novel construction, more particularly intended for freight car doors, though it may also be used for barn doors, and similar devices.

The fastener is so constructed that it is not liable to become accidentally opened by vibrations of the car and that it may readily secure the car against pilfering.

In the accompanying drawing: Figure 1 is a front elevation of a door fastener embodying my invention; Fig. 2 a plan thereof, showing the door and frame in section; Fig. 3 a vertical section on line 3—3, Fig. 1, and Fig. 4 a horizontal section on line 4—4, Fig. 1.

To the door 10, is secured by bolts 11, a socketed plate 12 having an integral upper stop 13 and an integral rear stop 14. The hasp 15 is fulcrumed to plate 12 by a rearwardly extending stud 16 that enters a central aperture of the plate and carries a washer 17, received within the socket 18 thereof. The pivot connection between plate and hasp is such, that the latter may not only be oscillated in a plane parallel to door 10 and plate 12, but may be tilted at an acute angle thereto. The free end of hasp 15 terminates in a finger piece 19, and is provided back of such finger piece with a lower forwardly extending integral flange 20. Above such flange there is formed in the hasp an elongated slot 21, said slot also extending into the flange as indicated at 21^a Figs. 2 and 3.

To the door frame 22 is secured a keeper comprising a plate 23 which is bolted to the frame as at 24. The keeper is provided with an integral hook 25 and with a forwardly extending apertured lug 26, below said hook. Hook 25 is adapted to engage slot 21 of hasp 15, while flange 20 is adapted to become seated on lug 26 when the hook is in engagement with said slot. Thus when a wire 27 is passed through the apertures

of the lug and flange and is sealed at its ends as at 28, the fastener cannot be opened, so that the door becomes effectively locked. 55

To open the fastener, the seal is broken, hasp 15 is by finger piece 19 first swung upward until it strikes stop 13, then tilted slightly forward to clear the keeper, and is finally dropped. Thus in the open position 60 of the fastener, the hasp will remain suspended from plate 12, any undue oscillation of the hasp in this position being prevented by stop 14.

It will be seen that my fastener is of simple construction, is not liable to become accidentally released by any jarring motion, and that it may be effectively locked against unauthorized opening.

I claim:

1. A door fastener comprising a slotted hasp having a slotted flange, a keeper having a hook adapted to engage the slot and an apertured lug adapted to support the flange. 75

2. A door fastener comprising a hasp having a forwardly projecting flange, a slot extending from the hasp into said flange, a keeper having a hook adapted to engage the hasp-slot, and an apertured lug adapted to support the flange. 80

3. A door fastener comprising a plate, a hasp hinged thereto and tiltable in parallelism therewith and also at an acute angle thereto, said hasp being provided with a flange and with a slot extending from the hasp into said flange, a keeper having a hook adapted to engage the hasp-slot and an apertured lug adapted to support the flange. 90

4. A door fastener comprising a socketed plate having an upper stop and a rear stop, a hasp having a rearwardly extending stud that enters the plate, a washer on the hasp within the plate-socket, said hasp being provided with a flange and with a slot extending from the hasp into said flange, a keeper having a hook adapted to engage the hasp-slot, and an apertured lug adapted to support the flange. 95

HENRY KAPPELE.

Witnesses:

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