A. JAEGER.

DRAW BOARD FASTENER.

APPLICATION FILED OCT. 16, 1919.

1,348,142. Patented July 27, 1920.

Fig. 1.

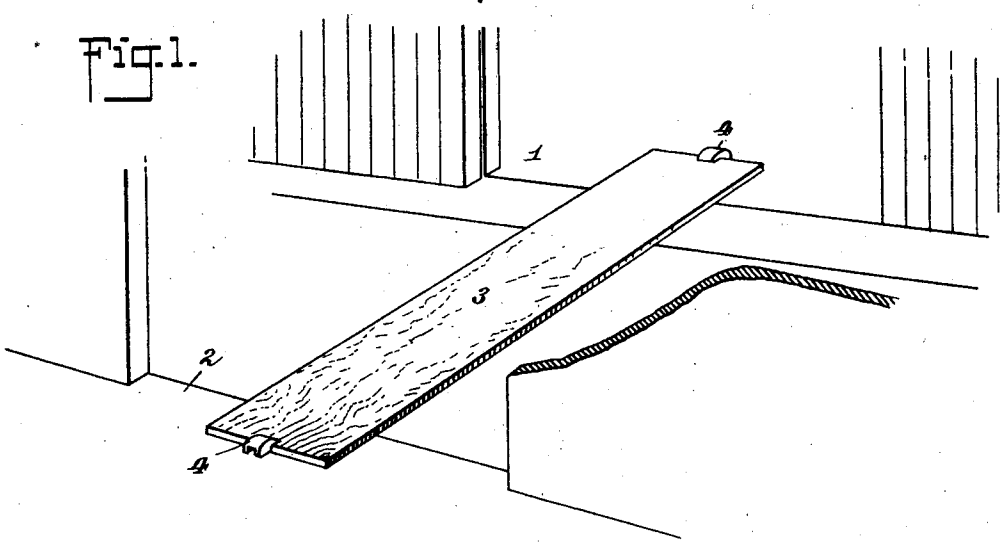


Fig. 2.

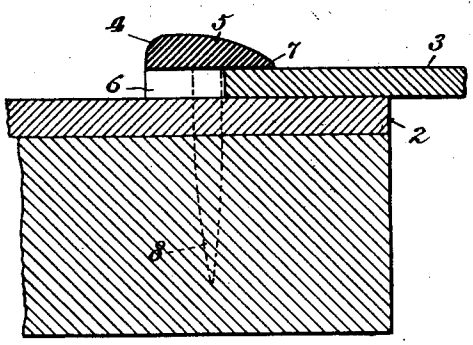


Fig. 3.

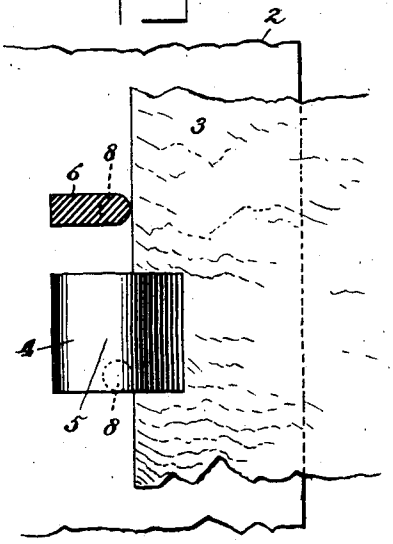
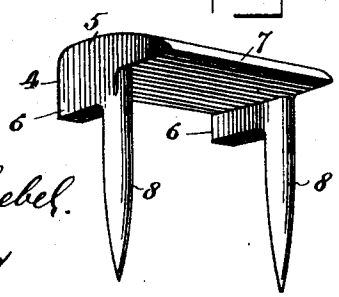


Fig. 4.



WITNESSES

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DRAW-BOARD FASTENER.

1,348,142. Specification of Letters Patent. Patented July 27, 1920.

Application filed October 16, 1919. Serial No. 330,958.

To all whom it may concern:

Be it known that I, AUGUST JAEGER, a citizen of the United States, and a resident of the city of Grand Rapids, in the county of Kent and State of Michigan, have invented a new and Improved Draw-Board Fastener, of which the following is a full, clear, and exact description.

This invention relates to improvements in draw board fasteners, an object of the invention being to provide an improved fastener which is especially adapted for securing a drawboard against movement and which permits the easy removal of the fastener when desired.

Draw boards such as are commonly used in loading and unloading freight cars from or onto piers, docks, platforms, etc., have heretofore been held by ordinary nails or spikes driven through the board itself, and sometimes located at the ends of the boards. They not only in many cases do not function properly but are difficult to remove, and result in injuring the board, the car and the platforms. With my improved device the board or the platform is not injured and the board is securely held, and the fasteners can be conveniently and quickly removed when desired.

With these and other objects in view, the invention consists in certain novel features of construction and combinations and arrangements of parts as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings—

Figure 1 is a fragmentary perspective view illustrating my improvements;

Fig. 2 is a view in vertical section showing a fastener in securing position;

Fig. 3 is a broken plan view; and

Fig. 4 is a perspective view of a fastener in operative position.

1 represents a car and 2 a platform. 3 is a draw board over which trucks are adapted to run to load or unload the car from or onto the platform.

The board 3 is held against movement by my improved fasteners 4, any desired number being employed at each end of the board, although in many cases one fastener at each end will be all that is necessary.

The fastener 4 comprises a relatively wide head 5 having at each end integral webs 6 extending from the rear edge of the head to a point removed from the front edge thereof so that a lip 7 is provided in advance of the webs 6 to overlap the draw board 3 with the end of the draw board located against the forward ends of the webs.

The webs are preferably of substantially the same thickness as a draw board so they have a firm bearing against the floor and are held against rearward movement by a pair of sharp prongs 8, 8, which are integral with the webs 6, 6, and extend downwardly from the same at their forward ends.

The prongs are preferably circular in cross-section and taper to their lower pointed ends so that they can be conveniently driven in the floor and easily removed without damaging the floor.

An ordinary hammer can be used to drive the fastener in place and the claw thereof can be inserted under the head 5 between the webs 6, 6, and easily remove the fastener.

The two prongs 8, 8, prevent any possibility of turning movement of the fastener while the ends of the webs act as shoulders to prevent longitudinal movement of the draw board. The overlapping lip 7 holds the end of the draw board against upward movement, and hence the jars and jolts of trucks passing onto, over, and off the board will not jar loose the fasteners.

When desired, the fasteners can be quickly removed and little, if any, damage will have been done to the floors and draw board as the holes will quickly close, owing to the fact that they have been smoothly made by the round tapering prongs.

Various slight changes might be made in the general form of the parts described without departing from my invention and hence I do not limit myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claims.

I claim:

1. A fastener, comprising a relatively wide head, a pair of integral webs on the under face of the head spaced apart and from the forward edge of the head, whereby a projecting lip is provided, and prongs integral with the webs and projecting downwardly from the forward ends of the webs.

2. The combination with supports and a draw board, of fasteners at the ends of the draw board, said fasteners comprising relatively wide heads, integral webs on the heads spaced apart and located against the

supports and bearing against the ends of the draw board, tongues on the heads projecting over the draw board, and sharp prongs on the webs driven into the supports.

3. A fastener of the character described, comprising a relatively wide head having a flat under face, webs on the under face of the head at the ends of the head, said webs having their forward edges spaced from the forward edges of the head, pins projecting from the forward portions of the webs, and said head, webs and pins constituting a single integral metal structure.

AUGUST JAEGER.