

No. 670,958.

Patented Apr. 2, 1901.

J. W. KENNER.  
DRAW BAR ROD POCKET.

(Application filed Oct. 24, 1900.)

(No Model.)

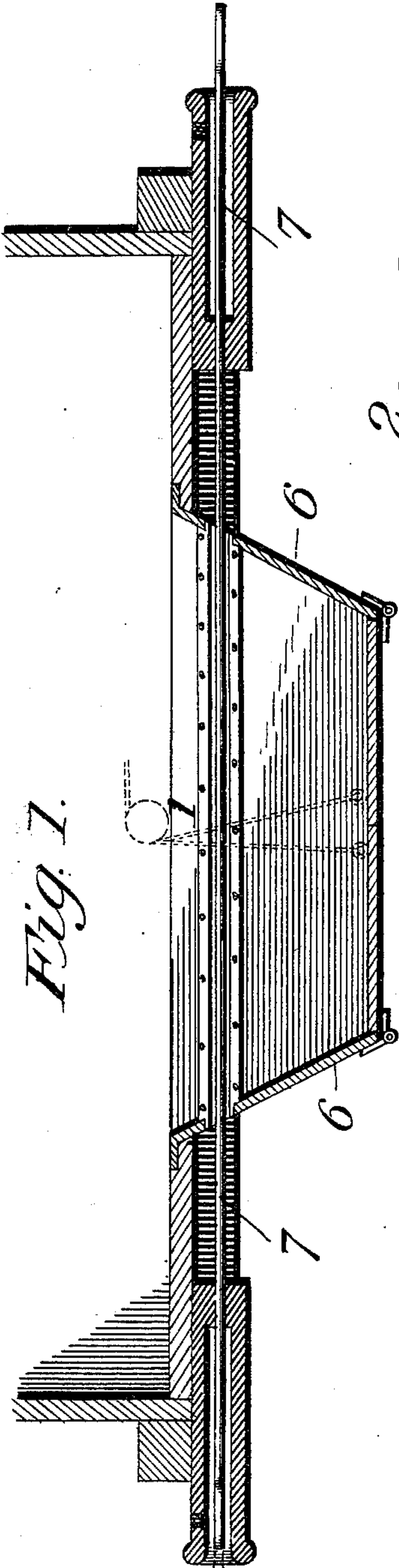


Fig. 1.

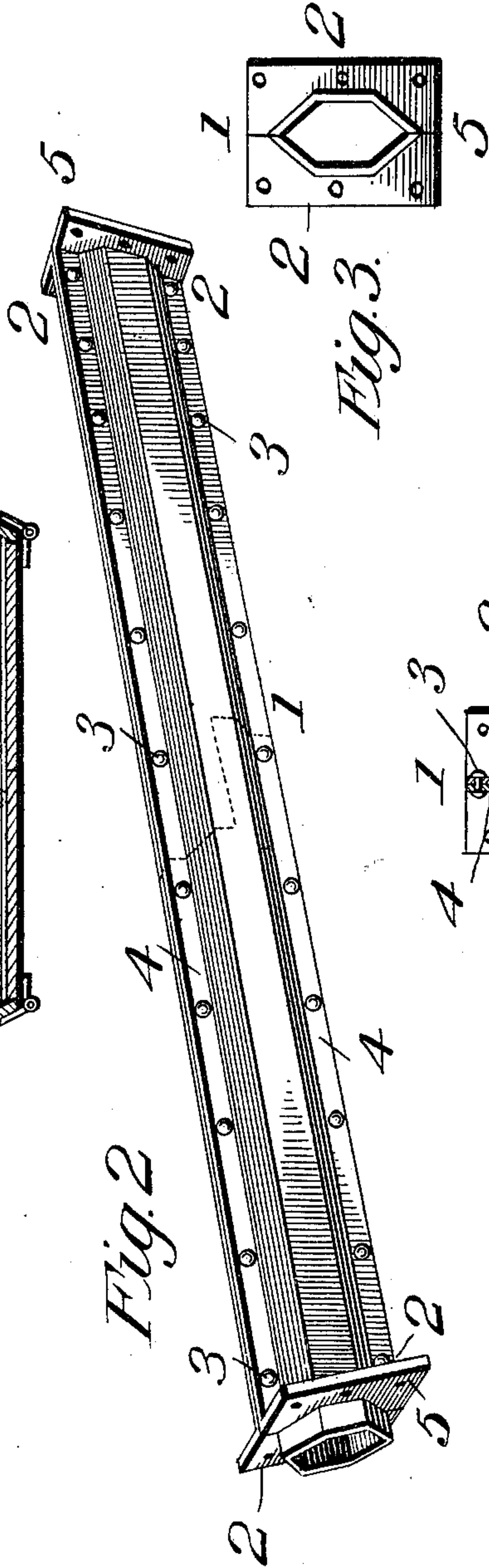


Fig. 2.

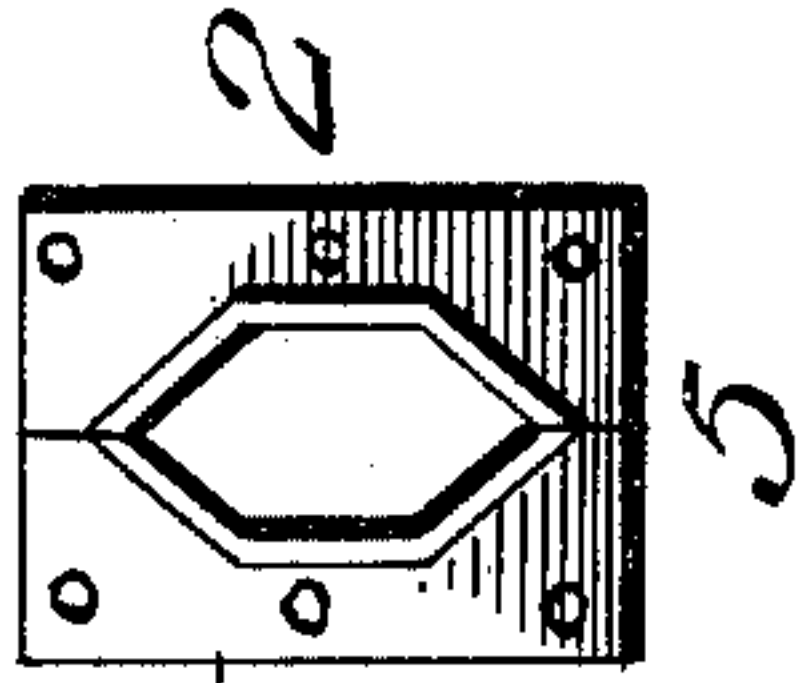


Fig. 3.

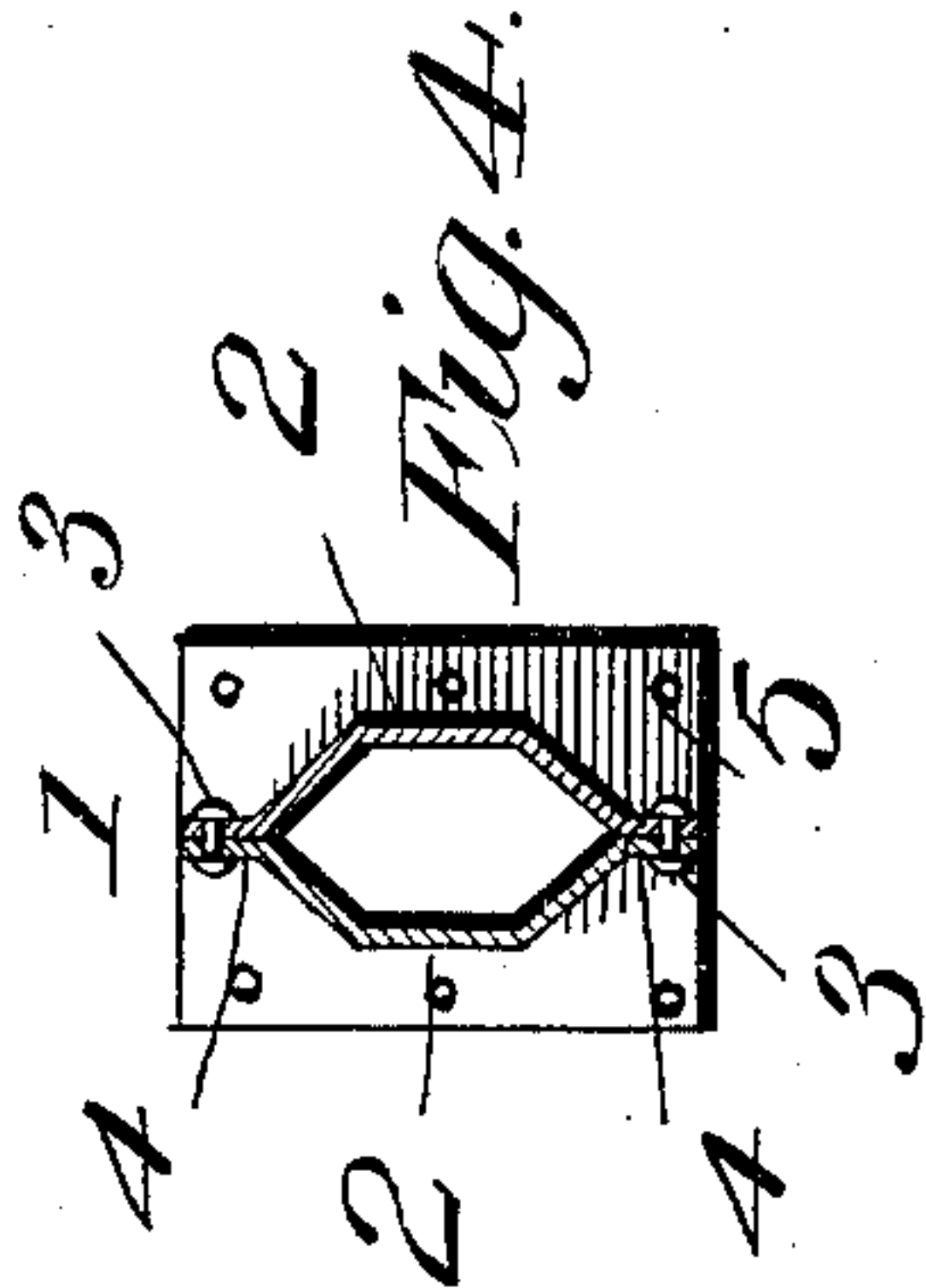


Fig. 4.

Fig. 5.



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# UNITED STATES PATENT OFFICE.

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## DRAW-BAR-ROD POCKET.

SPECIFICATION forming part of Letters Patent No. 670,958, dated April 2, 1901.

Application filed October 24, 1900. Serial No. 34,143. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN W. KENNER, a citizen of the United States, residing at Connelssville, in the county of Fayette and State of Pennsylvania, have invented a new and useful Draw-Bar-Rod Pocket, of which the following is a specification.

My invention relates to draw-bar-rod pockets, and has for its object to produce a device of this kind which can be quickly and cheaply applied to the ordinary car and which will protect the rod from damage by the contact therewith of the contents of the car, and more particularly when the car is being unloaded.

With these objects in view my invention consists in the improved construction and novel arrangement of parts of a draw-bar-rod pocket, as will be hereinafter more fully set forth.

In the accompanying drawings, in which the same reference-numerals indicate corresponding parts in each of the views in which they occur, Figure 1 is a longitudinal sectional view of a coal-car provided with my draw-bar-rod pocket. Fig. 2 is a perspective view of the pocket detached. Fig. 3 is an end view of the same. Fig. 4 is a transverse sectional view, and Fig. 5 is a plan view of the draw-bar.

In using cars in which the load is discharged through the bottom the draw-bar which passes across the hopper through which the load is discharged is frequently bent or buckled by the weight of the material or by the material becoming wedged between the bar and the sill of the car. This necessitates considerable trouble and expense in restoring the rod to its normal condition, and to avoid this damage I have invented a pocket which consists of a protector which is secured at its ends to the hopper and will prevent the material from coming in contact with the draw-bar.

My improved pocket 1 is formed from metal and may be cast in a single piece or from two pieces of metal 2 2, which are secured together by means of rivets 3. The pocket is preferably angular in cross-section, and when made from two pieces of material each piece is flanged longitudinally upon its edges, as shown at 4, and securely riveted together.

Each end of the pocket is provided with an inclined flange 5, which is adapted to be secured to the ends of the hopper or chute 6 at the bottom of the car. If desired, the flange may be at a short distance from the end of the pocket, so as to permit the end of the pocket projecting through the opening in the side of the hopper, although it can be safely secured in position by the flanges alone, owing to the inclination of the sides of the hopper to which they are secured. When arranged in this position, it is evident that if the draw-bar 7 be passed through the pocket from end to end the bar can be used in the ordinary manner and that it will be entirely protected from contact with the contents of the car, thus preventing the possibility of the bending or damaging of the draw-bar.

The pocket may be secured in position when the cars are manufactured or it may be applied to the cars already in use, and by forming each of the pieces comprising the pocket of two parts of different lengths and joining them together so as to cause their adjacent ends to overlap each other the pocket may be more readily secured to the car, and especially when the flange is to be a short distance from the end of the pocket and the pocket is forced through the draw-bar opening in the side of the hopper or chute. It is also evident that the lower portion of the pocket may be omitted by making the upper portion strong enough to prevent its being damaged by the material in the car.

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

1. As a new article of manufacture, a draw-bar-rod pocket comprising a shield having at its respective ends inclined flanges which are removed from the ends of the shield so that the latter project therefrom, substantially as described.

2. As a new article of manufacture, a draw-bar-rod pocket comprising a hollow casing having at its respective ends reversely-inclined attaching plates or flanges which are removed a short distance from said ends so that the latter project therefrom, substantially as described.

3. As a new article of manufacture, a draw-  
bar-rod pocket comprising a casing formed of  
two sections having flanges formed along their  
longitudinal edges, securing means passing  
5 through the flanges of the two sections, said  
sections having on their respective ends re-  
versely-inclined attaching-plates, the plates  
at each end being removed a short distance  
from the end of the casing so that said ends  
project therefrom, substantially as described. 10  
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Witnesses:

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