

E. ULLMANN.  
DUMPING CAR.  
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906,968.

Patented Dec. 15, 1908.

Fig. 1.

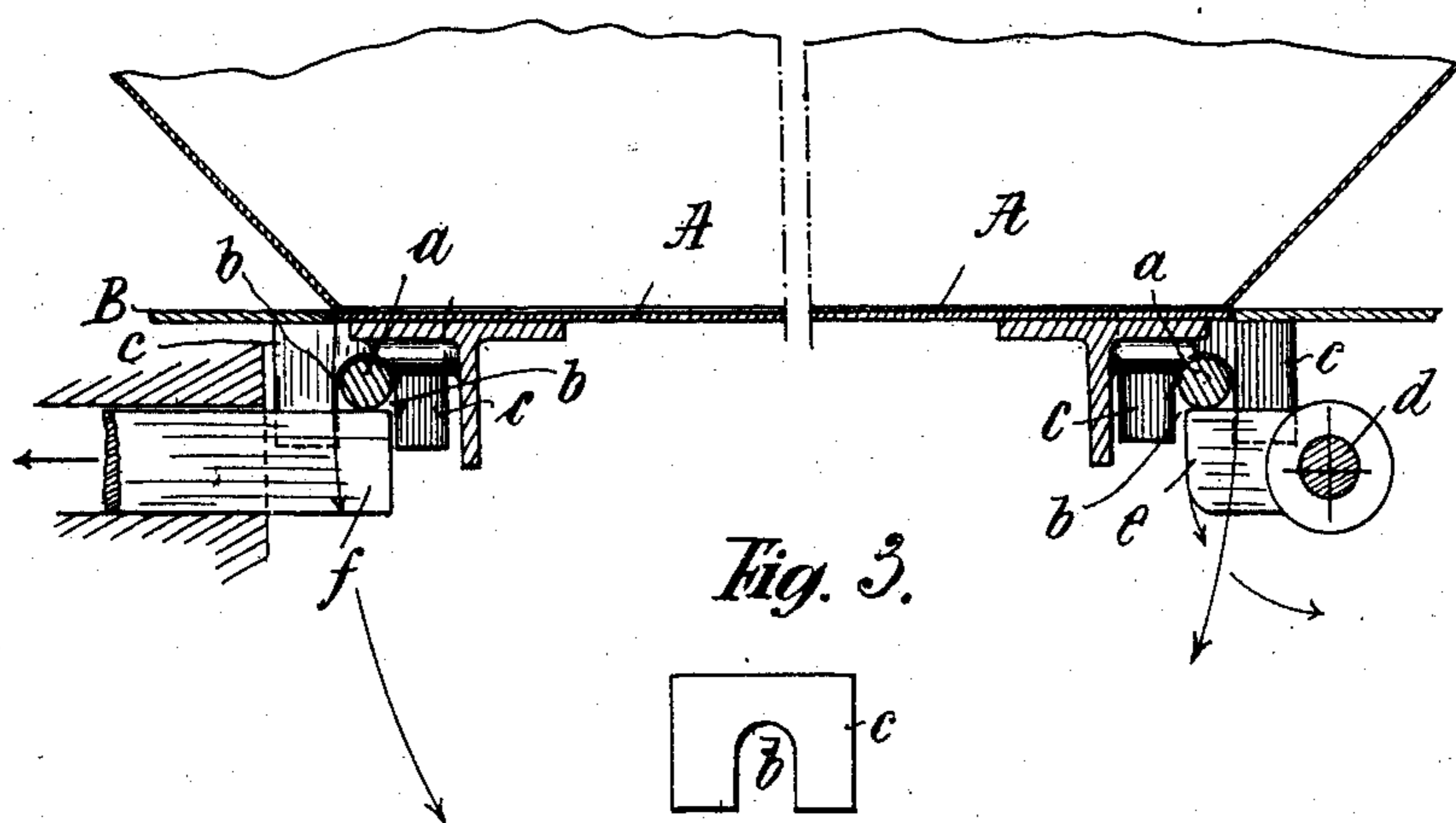
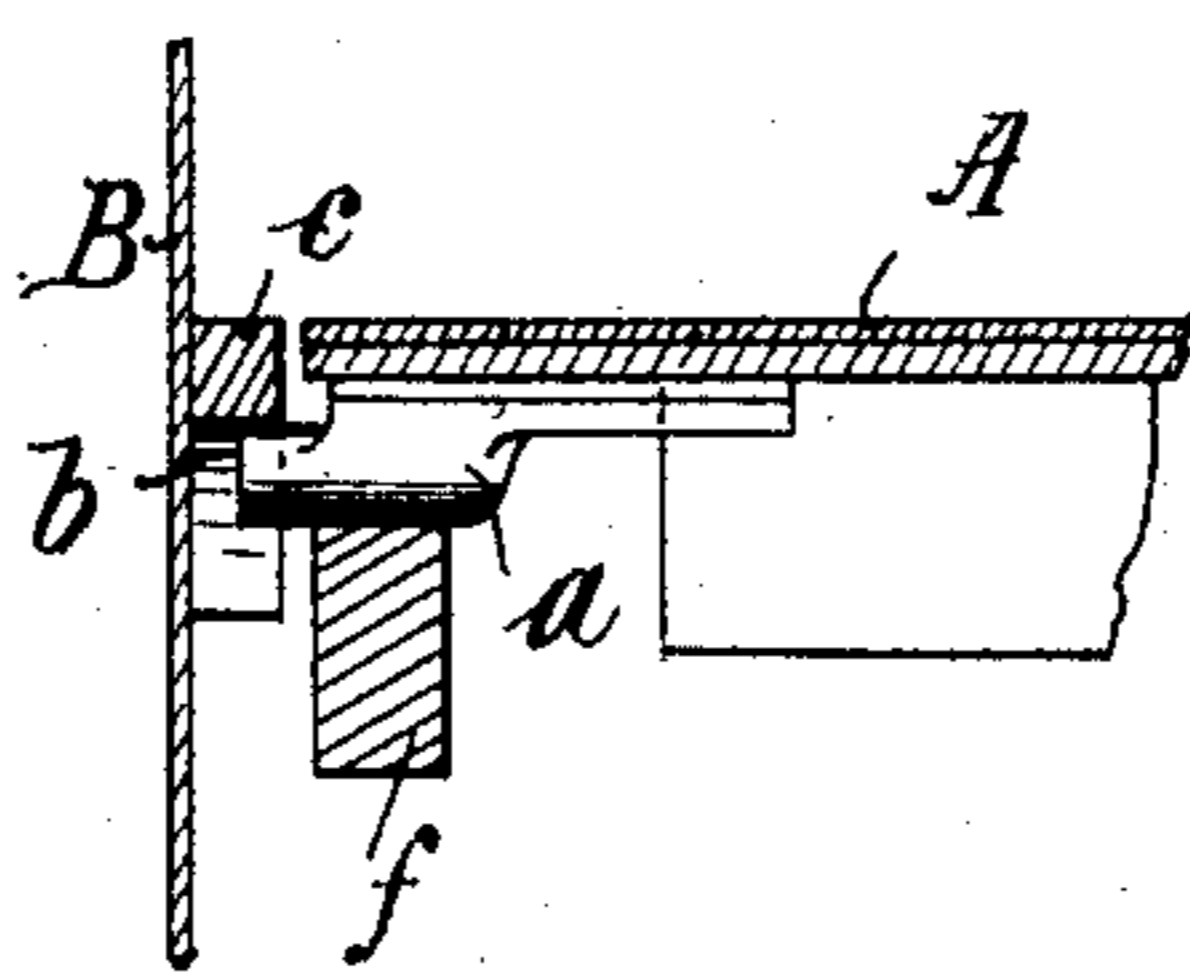


Fig. 3.



Fig. 2.



WITNESSES

W. P. Burke  
W. J. Kennedy.

INVENTOR

Emil Ullmann  
By Wm Wallace White

ATTY.

# UNITED STATES PATENT OFFICE.

EMIL ULLMANN, OF BERLIN, GERMANY, ASSIGNOR TO ARTHUR KOPPEL  
AKTIENGESELLSCHAFT, OF BERLIN, GERMANY.

## DUMPING-CAR.

No. 906,968.

Specification of Letters Patent.

Patented Dec. 15, 1908.

Application filed March 10, 1908. Serial No. 420,197.

*To all whom it may concern:*

Be it known that I, EMIL ULLMANN, engineer, subject of the King of Prussia, residing at 64 Dorotheenstrasse, Berlin, Germany, have invented new and useful Improvements in Dumping-Cars, of which the following is a specification.

My invention has reference to dumping cars and relates in particular to an improved joint, whereby the shutters of such cars can be flapped down at whichever side may be desired for the time being. For this purpose a member furnished with a vertical slot, open below, is rigidly secured to the underframe of the car. The bearing-pin of the shutter fits into this slot and is retained therein by a movable device, also secured to the underframe. The movable member may consist of a rotary or of a horizontally sliding bolt.

Two forms of construction of the invention are illustrated in the accompanying drawing.

Figure 1 is a vertical sectional view, the right-hand portion showing one form of the new joint, and the left-hand portion showing a modified construction thereof. Fig. 2 is a sectional view taken at right-angles to Fig. 1. Fig. 3 shows the slotted guide.

At the extremities of each end of the shutter A there project bearing-pins *a*, which are inserted from below into the vertical slots *b* of the guides *c* secured to the underframe B of the car. The slots *b* are preferably rounded at the top to insure close fit of the round pins *a*. The latter are held in the guides *c* by suitable means applied below. The locking device shown in Fig. 1, right-hand half, consists of a rotary shaft *d*, mounted in the underframe B and having secured to it a bolt *e* of any suitable

shape, which can thus be caused to turn. Instead of this locking contrivance, a horizontally sliding bolt *f*, of any desired form may be employed, as shown in the left-hand half of Fig. 1.

The bolt *e* may be turned and the bolt *f* shot and retracted, for the purpose of locking or releasing the respective side of the shutter by means of gearing or in any other suitable manner. In addition to the bolts being applied at the ends of the shutter, they may be provided at other parts as well, so as to afford better support.

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

1. In a dumping car, in combination an underframe, guides secured to the latter and each presenting a vertical slot open below, a shutter presenting a bearing-pin at each end adapted to fit the slots, and means, supported by the underframe, for locking the pins in the slots or releasing them therefrom, substantially as described.

2. In a dumping car, in combination an underframe, guides secured to the latter and each presenting a vertical slot open below, a shutter presenting a bearing-pin at each end adapted to fit the slots, a rotary shaft mounted on the underframe and bolts secured thereto and adapted to take below the shutter-pins and lock them in the guides, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EMIL ULLMANN.

Witnesses:

WOLDEMAR HAUPT,  
HENRY HASPER.