

June 28, 1938.

J. A. STELLNER

2,122,014

END GATE

Original Filed March 2, 1937

2 Sheets-Sheet 1

*Fig. 1.*

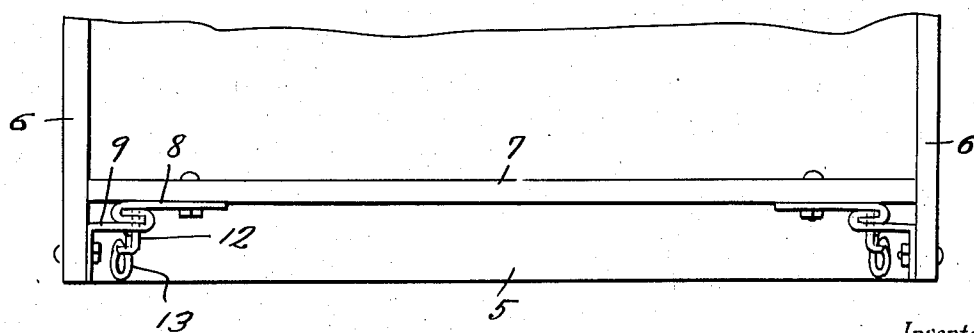
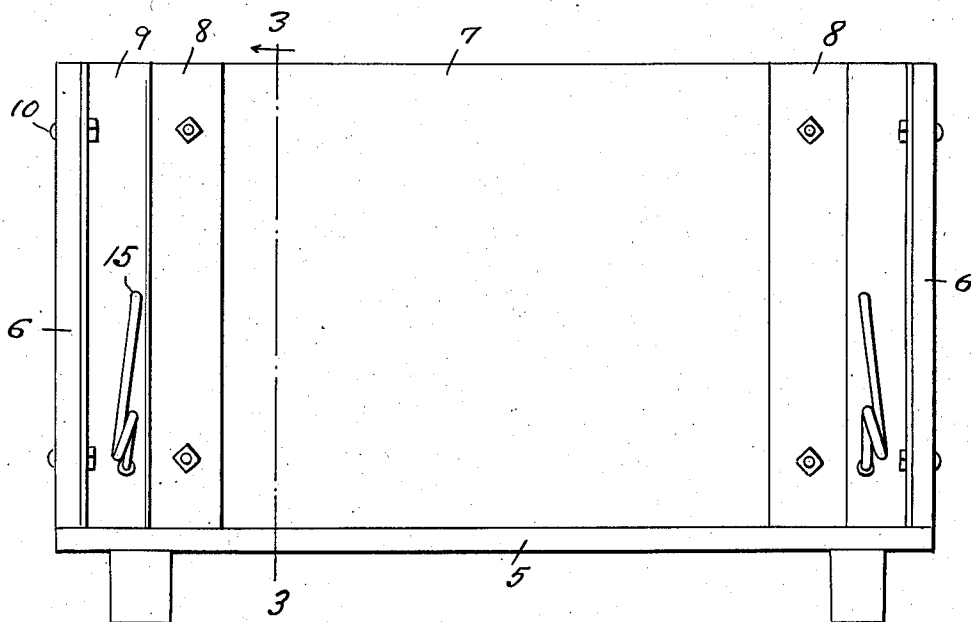


*Fig. 2.*

Inventor

*John Stellner*

By *Clarence A. O'Brien*  
*Hyman Berman*  
Attorneys

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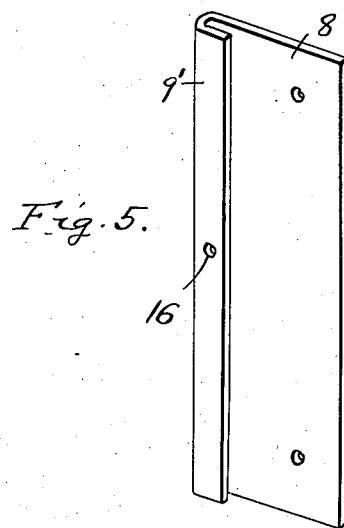
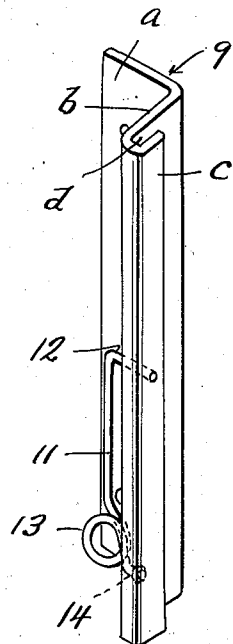
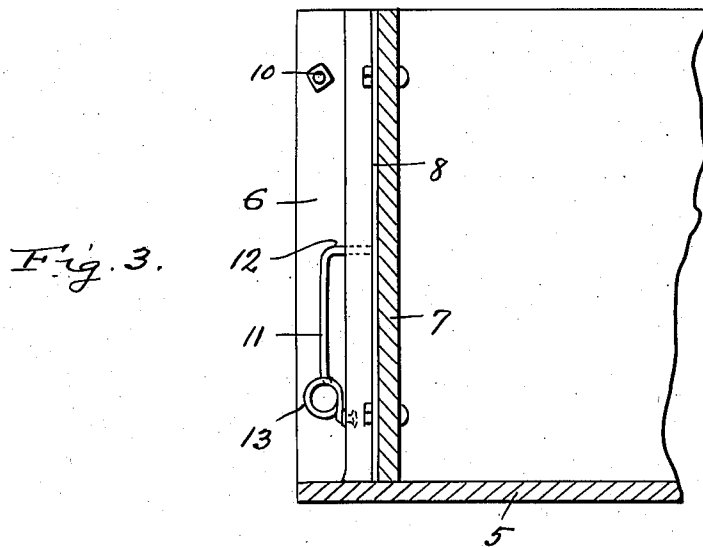
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*Inventor*

John Stellner

 $B_y$ 

Clarence O'Brien  
Hyman Berman

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*Attorneys*

## UNITED STATES PATENT OFFICE

2,122,014

## END GATE

John A. Stellner, Mansfield, S. Dak.

Application March 2, 1937, Serial No. 128,663  
Renewed May 4, 1938

1 Claim. (Cl. 296—52)

This invention appertains to new and useful improvements in end gates for wagons, the principal object being to provide an end gate which will eliminate retaining rods and other detachable parts which frequently become lost.

Another important object of the invention is to provide an end gate structure which is simple in construction, sturdy and which has less parts to become defective than conventional types of gates now in general use.

These and various other important objects and advantages of the invention will become apparent to the reader of the following specification.

In the drawings:—

Figure 1 represents a rear elevational view of the end gate.

Figure 2 is a fragmentary top plan view showing the end gate.

Figure 3 is a vertical sectional view taken substantially on the line 3—3 of Figure 1.

Figure 4 is a perspective view of one of the keepers.

Figure 5 is a perspective view of one of the slide plates.

Referring to the drawings wherein like numerals designate like parts, it can be seen that numeral 5 represents the bottom of the wagon while numerals 6—6 represent the side walls thereof. The end gate wall is denoted by the numeral 7 and has the slide plates 8—8 engaged with the keepers 9 which are secured to the side walls 6—6 of the wagon.

The keepers 9 each consists of a plate *a* secured by suitable means 10 to the corresponding side wall 6, this plate being provided with an outwardly disposed flange *b* bent backwardly to provide the tongue *c* and defining the guideway *d*.

The slide plate 8 is provided with a backwardly disposed tongue 9' which engages into the slide-way *d* of the keeper 9.

A spring detent is carried by each of the keepers 9 and consists of the spring member 11 provided with the laterally disposed finger 12 and the coiled portion 13 which is anchored as at 14 to the portion *b* of the keeper. The finger 12 is engageable through an opening 15 in the keeper plate 9 and into the opening 16 of the tongue 9' of the slide plate 8, thus the slide plate 8 and end gate wall 7 are prevented from rising.

While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to without departing from the spirit and scope of the invention as claimed hereinafter.

Having described the invention what is claimed as new is:—

In combination with the side boards and end gate of a wagon body, a vertically arranged angle plate connected to an end of each side board, on the inner face thereof, the free edge of the inwardly extending flange being bent into hook shape, a pair of plates secured to the end gate adjacent the ends thereof, each plate having its outer edge bent outwardly into hook shape to engage the hook-shaped part of an angle plate and a spring latch member connected with the inwardly extending flange of each angle plate and having a bent free end and the hook shaped parts having perforations therein receiving said bent ends.

JOHN A. STELLNER.