W. H. ALLEN.

DECK FOR BRICK CARS.

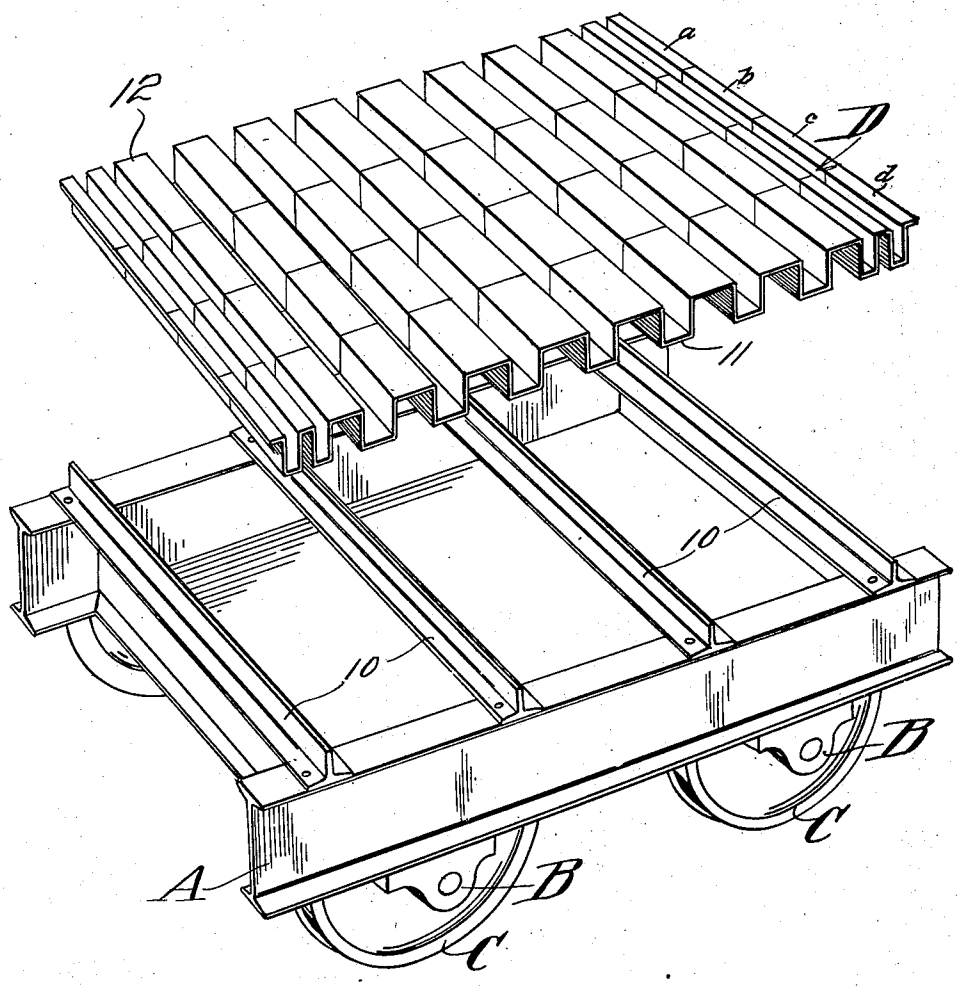
APPLICATION FILED MAY 10, 1917.

1,271,413.

Patented July 2, 1918.

2 SHEETS—SHEET 1.

Fig. 1.



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2 SHEETS—SHEET 2.

Fig. 2.

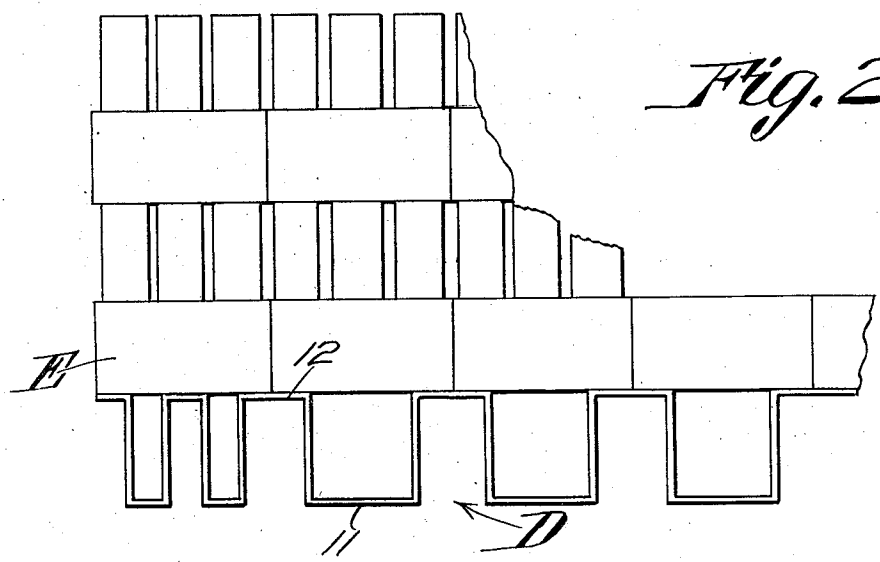
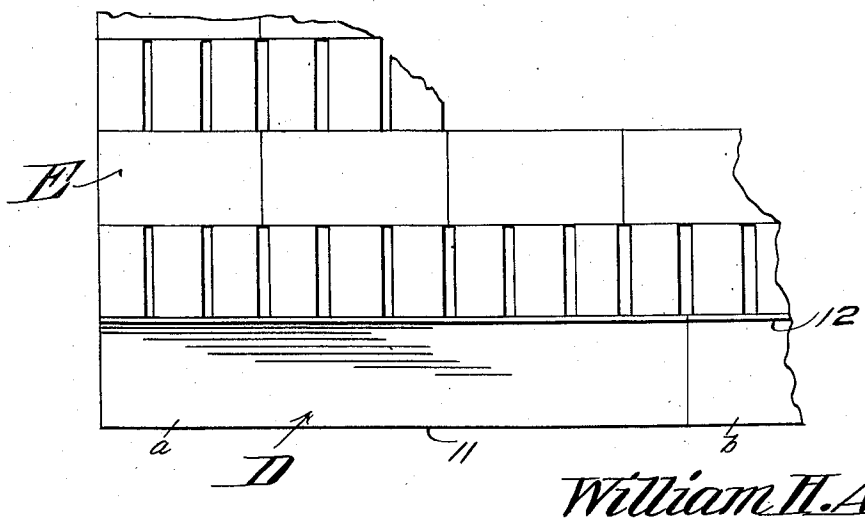


Fig. 3.



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UNITED STATES PATENT OFFICE.

WILLIAM H. ALLEN, OF MOMENCE, ILLINOIS, ASSIGNOR OF ONE-THIRD TO ERNEST A. KRAMER, OF GRANT PARK, ILLINOIS.

DECK FOR BRICK-CARS.

1,271,413. Specification of Letters Patent. Patented July 2, 1918.

Application filed May 10, 1917. Serial No. 167,779.

To all whom it may concern:

Be it known that I, WILLIAM H. ALLEN, a citizen of the United States, residing at Momence, in the county of Kankakee and State of Illinois, have invented certain useful Improvements in Decks for Brick-Cars, of which the following is a specification, reference being had therein to the accompanying drawing.

The invention relates to a deck for brick cars, and more particularly to the class of removable brick platforms or decks for cars.

The primary object of the invention is the provision of a deck or platform of this character wherein green or dry bricks can be conveniently stacked upon a car for the transportation of said bricks to and from a kiln, and the bricks, when stacked, will be thoroughly aired, as free circulation of air is had through the stack.

Another object of the invention is the provision of a deck or platform of this character wherein the bricks can be conveniently stacked in alternate longitudinal and transverse rows upon the deck or platform for the transportation of the same upon a car and said bricks may be easily handled with despatch in the loading and unloading of the car or the stack can be removed as a whole in a single operation.

A further object of the invention is the provision of a deck or platform of this character wherein the construction thereof is novel in form to assure the convenient transportation of the bricks to and from the kiln and also the convenient handling of the bricks in the loading and unloading operation.

A still further object of the invention is the provision of a deck or platform of this character which is simple in construction, strong, durable and inexpensive in manufacture.

Other objects will be in part obvious and in part hereinafter set forth.

The invention accordingly consists in the features of construction, combination of elements and arrangement of parts which will be exemplified in the construction hereinafter described, and the scope of the application of which will be indicated in the appended claims.

In the drawings:

Figure 1 is a perspective view of a car with the deck or platform constructed in accordance with the invention elevated therefrom;

Fig. 2 is an enlarged fragmentary side elevation of the deck or platform with the bricks stacked thereon;

Fig. 3 is a fragmentary end elevation.

Similar reference characters indicate corresponding parts throughout the several views of the drawings.

Referring to the drawings in detail, A designates generally the frame of the car truck which is made from I-beams and the side sills of which carry journal bearings B in which are the journals supporting the car wheels C, as usual.

Upon the side sills of the frame A are securely mounted at intervals thereof transversely disposed inverted T-shaped beams 10 forming supports or rests for the removable deck or platform, hereinafter fully described.

The removable deck or platform comprises a series of bodies D, namely, sections, *a*, *b*, *c* and *d*, each preferably made from sheet metal, having stamped or struck therefrom alternately arranged reversely disposed U-shaped portions 11 and 12, respectively, which are disposed transversely thereof and constitute alternate upstanding rest ribs and channels throughout the length of said sections, said ribs 12 being designed to form a supporting bed for bricks E which are stacked upon the sections alternately in longitudinal and transverse rows, as is clearly shown in Figs. 2 and 3 of the drawings.

The U-shaped portions 11 and 12 at opposite ends of the sections are of less width than the remaining U-shaped portions of said sections so that each row of end bricks will bridge a pair of the channels formed by the U-shaped portions 11, while the remaining bricks of these longitudinally disposed series will bridge a single channel formed by the U-shaped portions 11, and in this manner said bricks can be properly stacked upon the deck or platform which is adapted to be placed upon the beams 10 upon the truck frame of the car for the transportation of the stacked bricks to and from a kiln. In the stacking of the bricks upon the deck or platform the channels formed by the U-shaped portions of said sections will permit free circulation of air beneath the lowermost series of longitudinally disposed rows of bricks, while the other se-

ries of superimposed bricks will be spaced apart as shown in Figs. 2 and 3 of the drawings to permit free circulation of air throughout the stack between the bricks thereof.

In the use of the deck or platform the bricks can be conveniently stacked thereon and the handling of the bricks in the loading and unloading of the car can be effected expeditiously.

The deck or platform made in a series of bodies each forming a separable section permits the transfer of the same after passing through a drier so that the sections can be pushed or moved to bring the bricks thereon close together or each tier of bricks upon each section can be readily stacked one upon the other when the tiers of bricks are held upon the sections of the platform. Also these tiers of bricks on the sections can be readily separated for drying purposes. When the platform with the sections is arranged as shown in Fig. 1 of the drawings the same including all of the sections can be readily lifted through the use of bars disposed transversely in any of the channels adjacent to the ends of said platform at the under side thereof so that the platform as a unit can be transferred from the car to any desirable point or vice versa.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the herein described deck for brick cars will be readily apparent and, therefore, a more extended explanation has been omitted.

Having thus described my invention, I claim:

1. The combination with a wheeled car truck, of supporting beams mounted transversely at intervals thereof and a transversely corrugated body forming a platform removably supported upon said beams.

2. The combination with a wheeled car truck, of supporting beams mounted transversely at intervals thereof and a transversely corrugated body forming a platform removably supported upon said beams, each of the corrugations being substantially U-shaped and arranged alternately in reversed positions.

In testimony whereof I affix my signature.

WILLIAM H. ALLEN.