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M. J. DOOLEY & T. F. CARROLL.

MEANS FOR CHECKING UP LOADING OPERATIONS.

(Application filed Feb. 3, 1900.)

(No Model.)

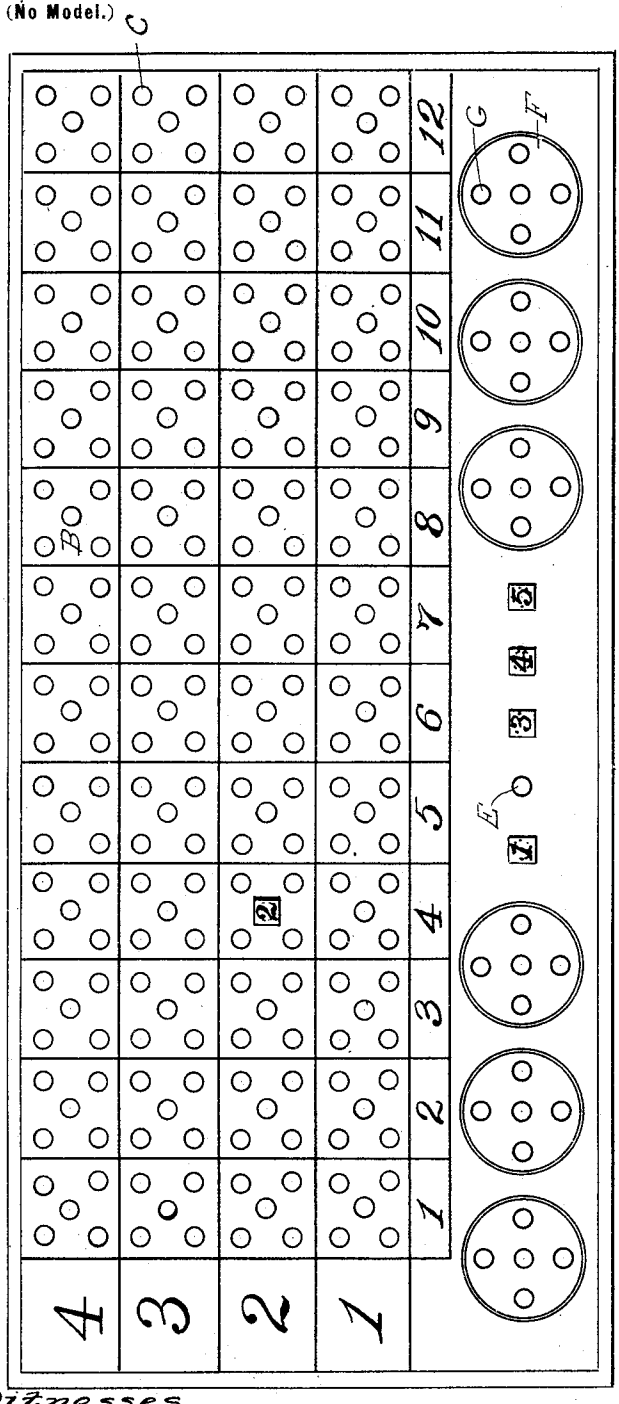


Fig. 1.



Fig. 3.

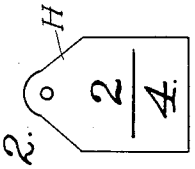


Fig. 2.

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UNITED STATES PATENT OFFICE.

MATTHEW J. DOOLEY AND THOMAS F. CARROLL, OF ST. PAUL, MINNESOTA.

MEANS FOR CHECKING UP LOADING OPERATIONS.

SPECIFICATION forming part of Letters Patent No. 658,316, dated September 18, 1900.

Application filed February 3, 1900. Serial No. 3,866. (No model.)

To all whom it may concern:

Be it known that we, MATTHEW J. DOOLEY and THOMAS F. CARROLL, citizens of the United States, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented certain new and useful Improvements in Means for Checking Up Loading Operations, of which the following is a specification.

Our invention relates to improvements in means for checking up the loading of freight into cars and warehouses, its object being to provide means by which the operation of loading any desired number of cars or warehouse-sections may be followed and the placing of an article in the wrong place be quickly determined.

To this end our invention consists of the features of invention hereinafter specifically described and claimed.

In the accompanying drawings, forming part of this specification, Figure 1 represents a plan view of a tally-board forming part of our invention. Fig. 2 is a view of one of the indicator-cards used in connection with said board, and Fig. 3 is a detail of a peg used with said board.

The invention consists of a board A divided upon its face into a series of squares B. Along the left-hand margin of the series of squares are arranged the designating-numerals "1," "2," "3," and "4," which refer to the different tracks upon which the cars are placed, and along the bottom of the series of squares are placed designating-numerals (in the drawings "1" to "12," inclusive,) which represent the different cars upon the track. Each of said squares is formed with a series of plug-openings C.

D represents plugs numbered consecutively, the numbers upon said plugs referring to the respective truckmen. When not in use, the plugs are kept in the plug-openings E. The spaces F, formed with plug-openings G, are intended to designate different sections of a warehouse and to come into use when freight is being transferred to the warehouse instead of to cars.

H represents one of a series of cards used in the cars. Each car is provided with a series of these cards, which has inscribed upon it numerals indicating the track and its position on the track.

Our improved means are used in the following manner: The tally-board is placed in the hands of the checker and each of the cars to be loaded is supplied with a number of designating-cards. When the truckman takes an article of freight to the car, the checker places the truckman's designating-plug into one of the plug-openings of the square, which designates the car in which the article of freight is to be loaded. The truckman when he places the article of freight in the cars takes from it one of the cards and brings it back to the checker. The checker then compares the car and plug, thus determining whether the freight has been taken to the proper car. If it is not, the error is corrected, and if it has the truckman's plug is removed and placed in one of the plug-openings E. For instance, we will say that truckman No. 2 is to carry an article of freight to fourth car upon track No. 2. The checker takes plug No. 2 and places it in one of the plug-openings of the square, which is designated on the left by numeral "2" and on the bottom by numeral "4," that square indicating the fourth car on track No. 2. The truckman then takes the article of freight to the car and in the car will find a set of cards inscribed with the numerals "2" "4." He will bring one of those cards back to the checker, who will make the comparison. It will thus be seen that by the use of our improved means the loading of the cars is checked up as the work progresses, making it practically impossible to leave freight in the wrong cars.

While we have shown twelve cars upon each track, it will be evident that the board may be inscribed to represent any desired number of cars.

We claim—

1. Checking means for loading cars consisting of a board divided to represent the different cars and their location, means adapted to be used in connection with said divisions to indicate the loading attendants, and a series of cards inscribed to designate the cars and their location, and adapted to be arranged in said cars.

2. Means for checking loading operations

consisting of a board formed with divisions representing the places where the loads are to be taken, means designating the loading attendants and adapted to be arranged in connection with the divisions of said board, and a series of cards or tabs inscribed to designate the different loading-places, and arranged at said places.

3. Means for checking loading operations consisting of a board formed with divisions representing the different places to which loads are to be taken, each of said divisions being formed with plug-openings, consecutively-numbered plugs constructed to fit in said openings, and a series of cards or tabs designating the places to which loads are to be taken, said different features being constructed and arranged in the manner and for the purpose specified.

4. Means for checking loading operations, consisting of a board formed with divisions corresponding with the number of cars to be loaded, indicating-marks being arranged in connection with said divisions to designate the different cars and their location, means designating the loading attendants and adapted to be arranged in connection with said divisions, and a series of tabs or cards inscribed to designate the different cars and their location, and adapted to be arranged and used in the manner specified.

In testimony whereof we affix our signatures in presence of two witnesses.

MATTHEW J. DOOLEY.
THOMAS F. CARROLL.

Witnesses:
H. S. JOHNSON,
ELGIE H. EVANS.