S. W. READ.

STOCK INDICATOR.

APPLICATION FILED MAY 17, 1916.

1,235,924.

Patented Aug. 7, 1917.

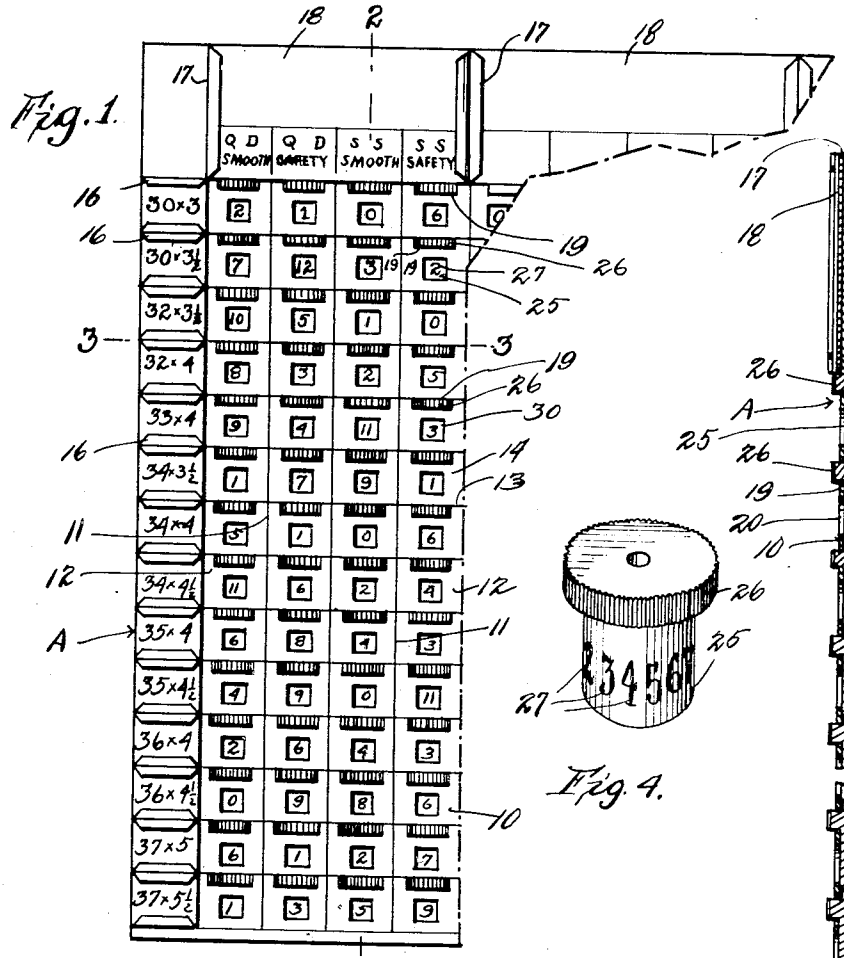


Fig. 1.

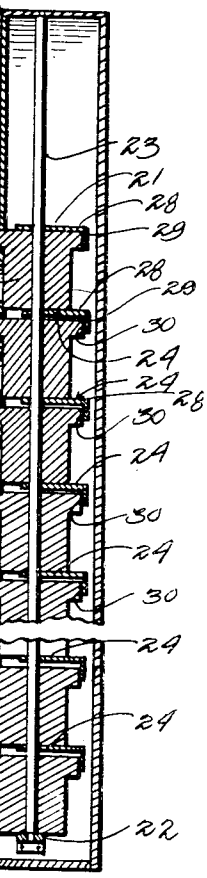


Fig. 2.

Fig. 4.

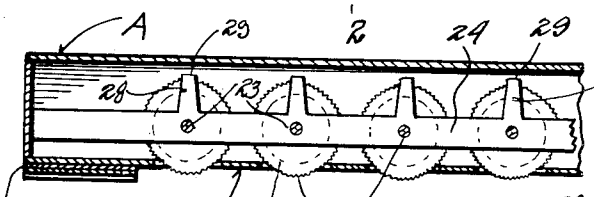


Fig. 3.

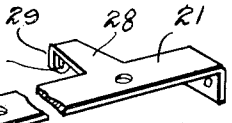


Fig. 5.

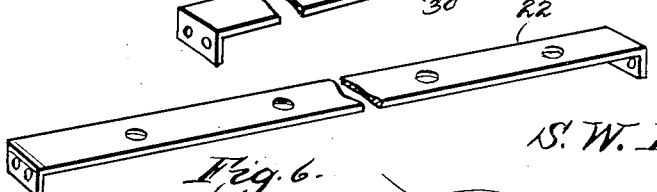


Fig. 6.

Witnesses

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STOCK-INDICATOR.

1,235,924. Specification of Letters Patent. Patented Aug. 7, 1917.

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To all whom it may concern:

Be it known that I, SILAS W. READ, a citizen of the United States, residing at Corvallis, in the county of Benton, State of Oregon, have invented certain new and useful Improvements in Stock-Indicators; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to stock indicators and particularly to an indicator for specifying the condition of a mercantile stock the units of which consist of automobile tires, it being understood however that the indicator can be utilized with equal facility in connection with other mercantile stocks.

In retailing stocks made up of relatively large and cumbersome units such as automobile tires it is difficult to keep track of the condition of the stock and as a result much labor is indulged in at times to locate the particular unit of the stock desired only to discover that such unit is not on hand. It is therefore the purpose of the present invention to provide an indicator which can be easily operated as each sale is made so as to show at all times the exact condition of the stock and thereby avoid useless hunting for a particular unit of the stock as well as enabling the merchant to always keep his stock supplied with the necessary units.

With the above and other objects in view the invention consists in the details of construction and in the arrangement and combination of parts to be hereinafter more fully described and particularly pointed out in the appended claim.

In describing the invention in detail reference will be had to the accompanying drawings wherein like characters of reference denote corresponding parts in the several views, and in which

Figure 1 is a front elevation of a stock indicator constructed in accordance with the invention and adapted for use in the business of retailing automobile tires;

Fig. 2, a section on the line 2—2 of Fig. 1;

Fig. 3, a section on the line 3—3 of Fig. 1;

Fig. 4, a perspective view of one of the registering cylinders;

Fig. 5, a perspective view of the upper journal bar, and

Fig. 6, a perspective view of the lower journal bar.

Referring to the drawings the invention is shown as comprising a casing A including a front member 10. This front member is provided on its outer side with a plurality of vertical rulings 11 forming vertical columns 12 and a plurality of horizontal rulings 13 forming horizontal columns 14. It will of course be obvious that the rulings 11 and 13 intersect each other and delineate spaces common to both the vertical and horizontal columns. Mounted on the front member 10 in the vertical column 12 farthest to the left and in line with each horizontal column 14 is a card holder in which cards are adapted to be inserted having indicated thereon the size of a tire, such card holder being indicated at 16. Mounted on the front member 10 above the four vertical columns 12 next to the vertical column in which the holders 15 are disposed is a card holder 17 removably carrying a card 18 having indicated thereon the name of a standard tire and beneath this name in line with respective vertical columns indications setting forth certain characteristics of the particular make of tire specified on the card. In this instance these characteristis are indicated as follows—"Q. D. Smooth" meaning quick detachable smooth; "Q. D. Safety" meaning quick detachable safety; "S. S. Smooth" meaning straight side smooth; and "S. S. Safety" meaning straight side safety. It will of course be understood that the indicator can be enlarged and the arrangement just described on the front 10 for as many makes of tires as is desired.

The front 10 is provided in the vertical columns 12 just beneath each horizontal ruling 13 with a slot 19 and beneath each slot with a substantially square opening 20. The purpose of these slots and openings will presently appear. Secured in the upper portion of the casing is a transversely extending journal bar 21, while another transversely extending journal bar 22 is secured in the lower portion of the casing. These bars 21 and 22 are connected by journal rods 23 positioned centrally of respective vertical columns 12 in which the slots 19 and openings 20 are disposed. Mounted in the casing A between the bars 21 and 22 is a plurality of intermediate journal bars 24 disposed directly to the rear of the horizontal rulings 13. It will be noted that the journal rods 23 also pass through the bars 24. Rotatably mounted on the rods 23 between the

bar 21 and the uppermost bar 24 and between adjacent bars 24 and between the lowermost bar 24 and the bar 22 are registering cylinders 25 each of which embodies a knurled flange 26 which projects through the adjacent slot 19 whereby the cylinders can be conveniently rotated by the hand when desired. Each cylinder 25 has indicated around its periphery a plurality of numbers 27 which can be brought into successive registration with the adjacent opening 20 whereby said number can be readily observed when looking at the front of the casing.

In order to prevent the cylinders 25 from being accidentally rotated from vibration or other causes the bar 21 and the bars 24 are provided with rearwardly extending arms 28 the free ends of which terminate in downwardly extending portions 29 provided respectively with nibs 30 which yieldingly cooperate with respective knurled flanges 26.

The manner of using the indicator will be obvious. By referring to Fig. 1 the merchant in the event of a customer asking for a particular make of 34 x 4 straight side smooth tire would refer to the indicator and following the requisite vertical column down until he reached the horizontal column indicating the size 34 x 4 and then take the reading of the register cylinder common to the two columns which reading indicates zero and shows that no tires with the characteristics desired are in stock. Thus a reminder is established to replenish the stock unit with this particular characteristic. Should a customer desire a particular make of 34 x 4 quick detachable smooth tire the same process is resorted to after shifting to the desired vertical column. Under these conditions the reading of the indicator shows five such tires in stock and if the sale is consummated the particular registering cylinder 25 is manually rotated by engaging the knurled flange 26 with the thumb so as to bring the number 4 on said cylinder in registration with the adjacent opening 27.

In the case of manufacturers or exceptionally large dealers who carry a large stock of each size and type of tire two vertical columns and a pair of cylinders can be employed for indicating the number of each size and type in stock owing to the impossibility to place the necessary series of numbers on a single cylinder. For instance, by referring to Fig. 1 if two vertical columns were employed for a quick detachable smooth tire there would be eighty-three 32 x 4 such tires according to the reading on the indicator shown.

While one particular form of carrying the invention into practice has been illustrated and described it will be obvious that various changes can be resorted to without departing from the scope of the invention as set forth in the appended claim and it will be further obvious that the indicator can be utilized for the purposes intended in connection with various types of mercantile stock.

What is claimed is:—

A stock indicator comprising a casing having its front ruled to form vertical and horizontal columns, said columns having stock unit characteristics indicated therein respectively, the spaces on the front of the casing common to said columns having openings therein respectively, spaced horizontal journal bars in said casing, vertical journal rods passing through said journal bars, cylinders rotatably mounted on the rods between said bars, each cylinder being provided with a circumscribing flange projecting through the related opening in the casing and said cylinders each having numbers thereon adapted to be successively observed through another of said openings as the cylinder is rotated, rearwardly directed fingers on the journal bars, and lateral extensions on the free ends of said fingers yieldingly coöperating with the flange on the cylinder beneath to hold said cylinder against rotation.

In testimony whereof, I affix my signature, in the presence of two witnesses.

SILAS W. READ.

Witnesses:
J. W. MORGAN,
C. G. BLAKELY.