J. H. JUST.

INDICATOR.

APPLICATION FILED MAY 26, 1916.

1,251,670. Patented Jan. 1, 1918.

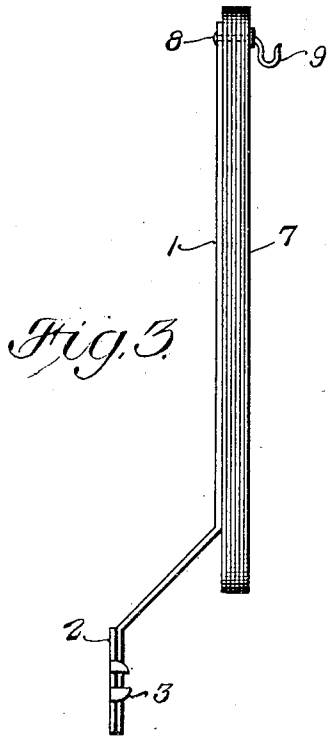


Fig. 3.

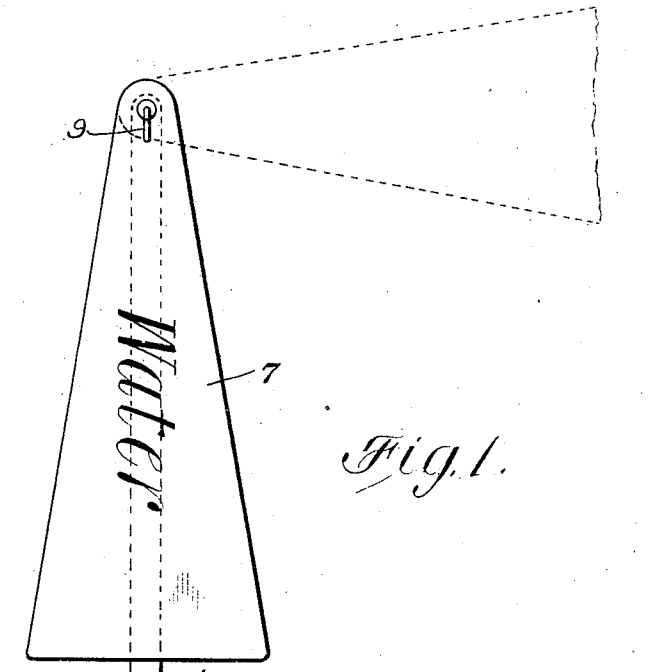


Fig. 1.

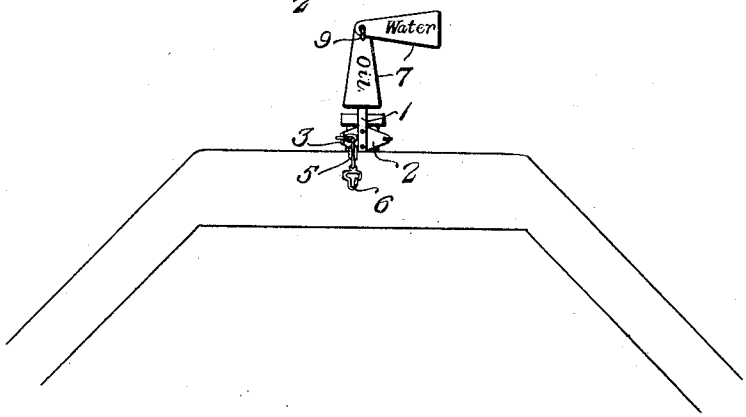


Fig. 2.

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INDICATOR.

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To all whom it may concern:

Be it known that I, JOHN H. JUST, a citizen of the United States, residing at Syracuse, in the county of Onondaga and State of New York, have invented new and useful Improvements in Indicators, of which the following is a specification.

This invention relates to indicators especially adapted to be applied to machines and which may be manipulated to serve as a warning to indicate the condition of the machine, as to whether it is fit for use or unfit.

With this object in view the indicator comprises a bar having a plate attached to one end thereof. A securing means is connected with the plate and in the present instance the said means includes a spring attached at one end to the plate with a chain connected with the other end of the spring. The plate is provided at its opposite end with spaced hooks or claws in which the links of the chain may be engaged after the chain is passed around a portion of the machine. Thus the bar is supported in position upon the machine. A series of vanes are pivotally mounted at the opposite end of the bar and these vanes bear legends as for instance "Requires adjustment," "Out of service," "Electric service," "Repair man in charge No. —," "Oil," "Water," or the like. The said bar is preferably offset at its end portions whereby it may readily pass around intervening parts in order that the plate may be attached to a lower portion of the machine while the vanes are disposed at an upper part thereof. The vanes when not in use are permitted to hang vertically along the bar but when the machine is in need of repair, oil, water or the like, the particular vane bearing the legend indicating such requirement is swung from a vertical to a horizontal position where it remains owing to the fact that the pivot which connects the vanes with the bar is sufficiently tight to afford ample friction to hold any particular vane at an adjusted position.

In the accompanying drawing:—

Figure 1 is a side elevation of the indicator.

Fig. 2 is a view showing the same applied to an automobile filler.

Fig. 3 is a side elevation of the indicator.

The indicator comprises a bar 1 which is preferably formed from a flat strip of metal, the said bar having offset end portions. A plate 2 is attached to one end of the bar 1 and the said plate is provided at one end with spaced claws or hooks 3. A coil spring 4 is connected at one end with the other end of the plate 2 and a chain 5 is connected at one end with the said spring 4. The said chain 5 is provided at its free end with a pull member or loop 6.

When the device is applied to a machine the plate 2 is placed against a part of a machine and the spring 4 and chain 5 are carried around the said part and one of the links of the chain 5 is engaged in and between the hooks 3 whereby the said plate is held in position upon the part of the machine under the tension of the spring 4. Thus the bar 1 is supported upon the machine. A series of vanes 7 are secured to the upper end of the bar 1 by means of a pivot 8 and the said vanes are turnably mounted upon the said pivot. Each vane 7 bears a suitable legend or instruction applied thereto in any suitable manner as for instance by printing, painting, stamping or the like. The frictional contact between the vanes 7 and the pivot 8 is sufficient to hold the vanes 7 at any position at which they may be adjusted about the said pivot 8. If desired a hook 9 may be mounted upon the pivot 8 and upon the said hook written instructions may be hung should occasion require such instruction.

In use the indicator is applied to the machine by placing the plate 2 against a part of the machine and carrying the spring 4 and chain 5 around the said part and securing the chain as hereinbefore stated. Originally all of the vanes 7 are swung down along the bar 1 but the vanes 7 bearing the particular legend which gives the information concerning the machine is swung from a vertical to a horizontal position and inasmuch as the legend is disposed longitudinally of the said vane it may be readily observed and read and thus serve as a signal or warning against the use of the machine or notifying the repair man as to what is needed to place the machine in proper working condition.

By reason of the fact that the ends of the bar 1 are offset with relation to each other the plate 2 may be applied to a part of the machine which is below the top thereof and underlies the upper part. The intermediate portion of the said bar 1 will extend beyond the overlying part of the machine and thus

the offset ends of the said bar 1 permits the device to be attached to almost any part of the machine irrespective of other projecting parts which might obstruct the application of the device if it were not for the fact that the bar 1 was provided with offset ends.

From the foregoing description taken in conjunction with the accompanying drawing it will be seen that an indicator of simple structure is provided and that the same may be easily and quickly applied to a machine for the purpose of indicating the condition of the machine and that the device may be easily and quickly removed from the machine when not needed.

The indicator device may be made of any suitable insulating material thus permitting its use on electric machinery. It may be secured in place by screw clamps or any other suitable devices. The pivot 8 may be provided with a friction washer or spring device for frictionally holding the vanes at their adjusted positions.

Having described the invention what is claimed is:—

An indicator comprising a bar having offset ends, a plate attached to one end of the bar, and having spaced hooks, a spring attached to the plate, a chain attached to the spring and adapted to engage the hooks, and a series of vanes pivoted upon the bar at a point in common to all of the vanes and at the end of the bar opposite that end at which the plate is mounted, the adjacent vanes having frictional contact with each other.

In testimony whereof I affix my signature.

JOHN H. JUST.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."