

W. R. DUTEMPLE.
OIL CUP HOLDER.
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1,328,271.

Patented Jan. 20, 1920.

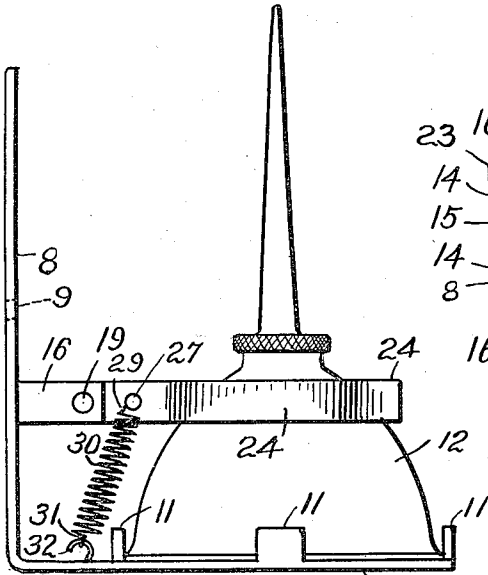


Fig. 1

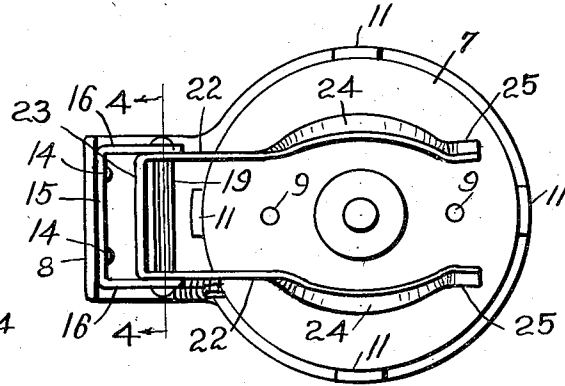


Fig. 2

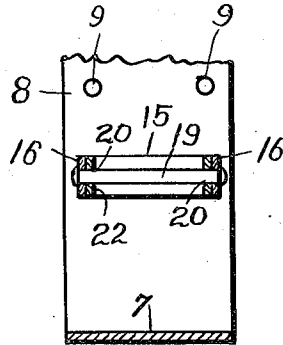


Fig. 4

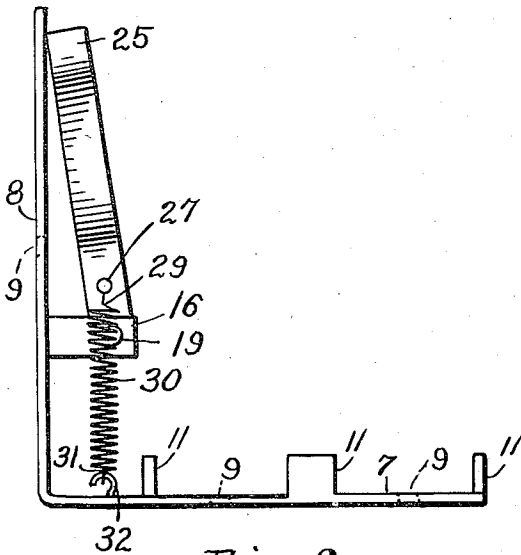


Fig. 3

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OIL-CUP HOLDER.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM R. DUTEMPLE, a citizen of the United States, residing at Auburn, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Oil-Cup Holders, of which the following is a specification.

My invention relates to a device for holding an oil cup.

The essential objects of my invention are to securely retain the cup against accidental removal by the jolting of any vehicle in which the holder may be mounted or otherwise; to enable the cup to be released by the use of a single hand of the operator; and to attain these ends in a simple and inexpensive structure.

To the above ends essentially my invention consists in such parts and in such combinations of parts as fall within the scope of the appended claims.

In the accompanying drawings which form a part of this specification,

Figures 1 and 2 are side and plan elevations respectively of my novel holder and an engaged oil cup,

Fig. 3, a side elevation of the holder, and

Fig. 4, a section of the same on line 4—4 of Fig. 2.

Like reference characters indicate like parts throughout the views.

In its present and preferred embodiment a base plate 7 has integral with its rear end or attached thereto a vertical plate 8. Either plate may be provided with openings 9 to receive attaching screws. The plate 7 is provided with an annular series of upturned lugs 11 to loosely embrace the dome shaped body 12 of an oil cup. Attached to the back plate 8 by screws 14 or otherwise is a metal strip 15 with forwardly extending horizontally disposed flat upright bracket arms or supports 16 integral with its ends. Mounted in the arms is a pintle 19 extending loosely through openings 20 in horizontally disposed flat upright arms 22 connected at their rear ends by an integral cross piece 23, constituting a yoke. The arms 22 are substantially parallel with each other adjacent the pintle and have their intermediate portions transversely inclined and longitudinally curved as at 24 to conform to the

dome top of the oil cup upon which they rest. The free extremities of the arms 22 are outwardly directed to form finger engaging portions 25. A pin 27 in one of the arms 22 at a point adjacent and in front of the pintle has attached thereto the upper end 29 of a helical spring 30 whose lower end 31 is attached to a hook 32 in the base at a point behind the pin 27 and below the pintle and bracket.

The operation of my device is as follows: The oil cup is maintained against movement by the yoke arms 22 under tension of spring 30, and by the lugs 11. To release the cup the operator places his finger or the back of his hand beneath one of the distended arm extremities 25 and elevates the latter to a vertical position slightly beyond the pivotal center of the arms 22 whereupon the spring 30 forces the extremities against the plate 8 and maintains them there. A single touch also of the finger in an opposite direction serves to lock the cup in original position. It will be noted that my device may be swiftly operated by a single touch, and even when one or both hands of the operator is filled; which is particularly important to the operator of an automobile or other vehicle in which my holder may be mounted.

I claim:—

1. In an oil cup holder, the combination of a base plate, a vertical back plate, supports on the back plate extending over the base plate, a pintle in the supports, a yoke comprising a cross piece and arms pivotally mounted near their ends on the pintle, and a helical spring attached at one end to an arm at a point adjacent the pintle, and attached at its opposite end to the base at a point behind the first mentioned point.

2. In an oil cup holder, the combination of a base plate, a back plate disposed at right angles thereto, horizontally disposed supports upon the back plate overhanging the base plate, a pintle in the supports, a yoke comprising a cross piece and parallel flat arms pivotally mounted at their rear ends on the pintle and provided with longitudinally curved portions, and a helical spring attached to one of the arms adjacent the pintle and to the base beneath the supports.

3. In an oil cup holder, the combination

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of a base plate, a back plate disposed at right angles thereto, horizontally disposed supports on the back plate, a pintle in the supports, flat arms pivotally mounted near
5 their ends to the pintle provided with transversely inclined intermediate portions, and with inclined operating end portions, and

a spring attached to one of the arms in front of the pintle and to the base below the pintle.

In testimony whereof I have affixed my
signature. 10

WILLIAM R. DUTEMPLE.