

(No Model.)

F. S. LIVINGSTON.
LUBRICATOR.

No. 486,676.

Patented Nov. 22, 1892.

Fig. 1.

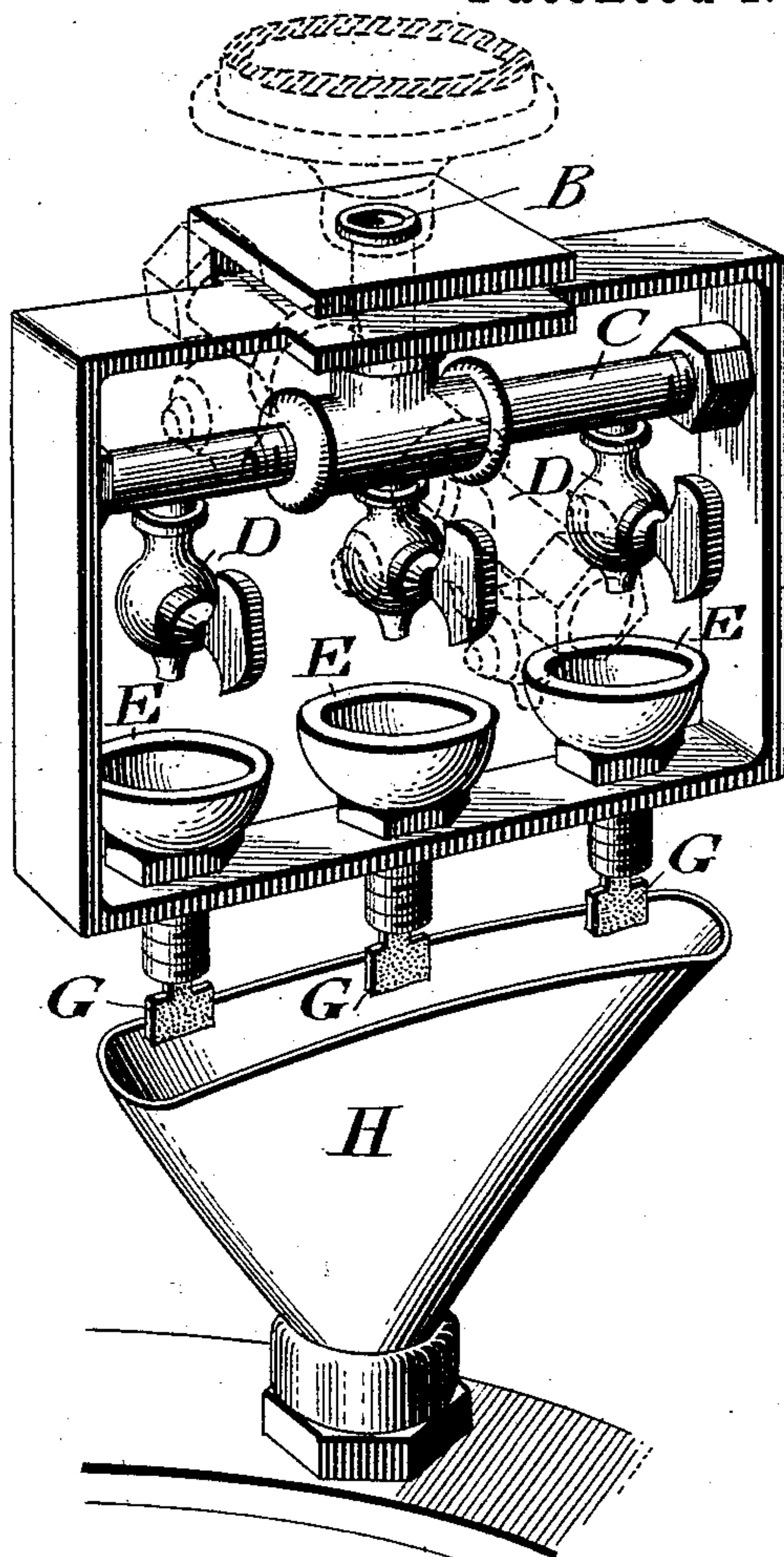


Fig. 3.

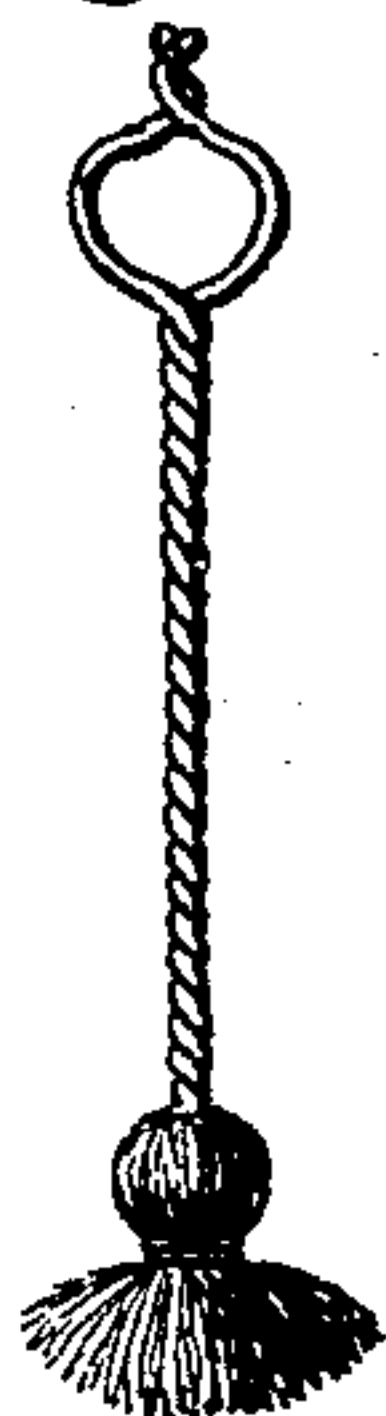
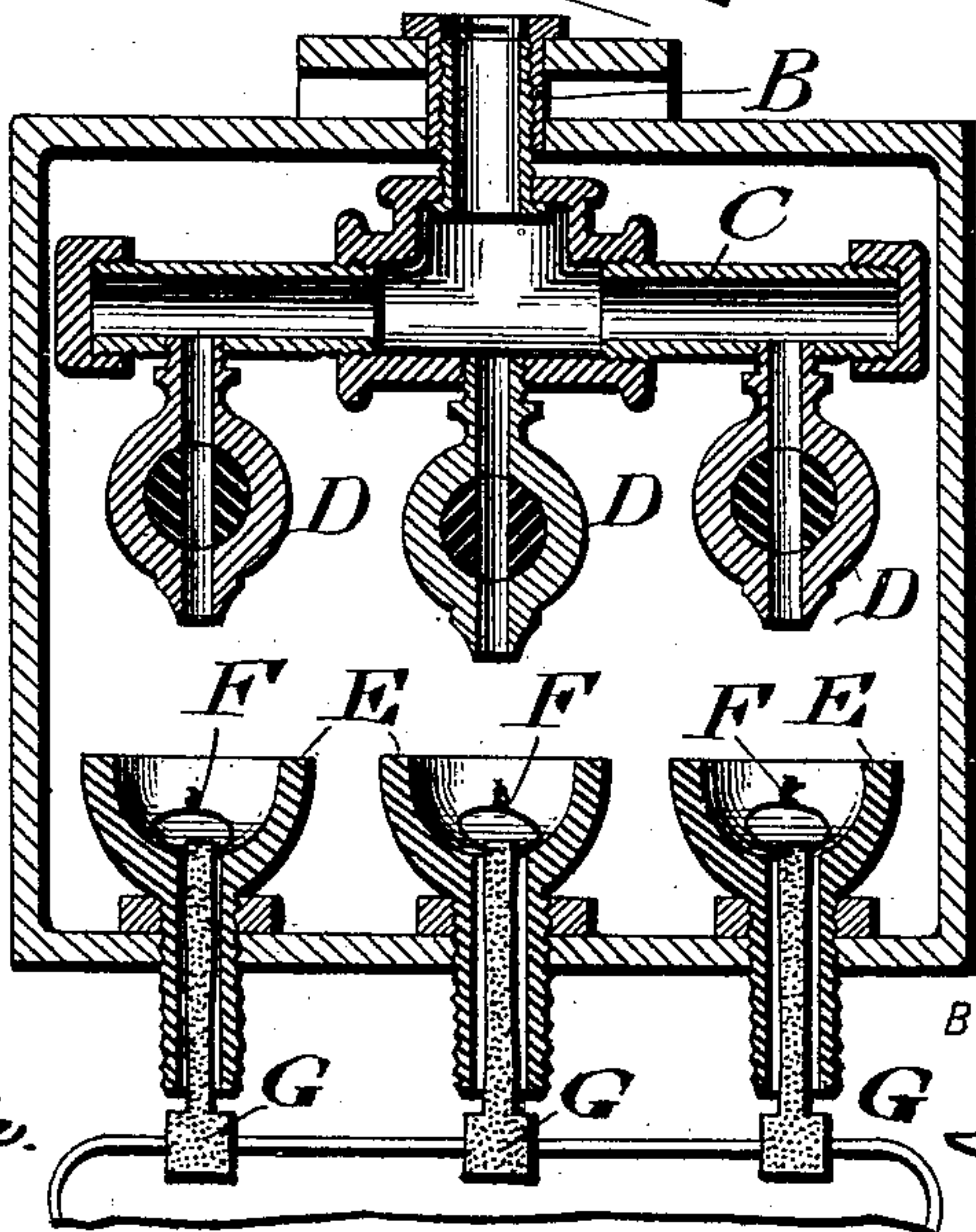


Fig. 2.



WITNESSES:

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LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 486,676, dated November 22, 1892.

Application filed May 24, 1892. Serial No. 434,156. (No model.)

To all whom it may concern:

Be it known that I, FERRIS S. LIVINGSTON, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Lubricators, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a lubricator formed of a frame, a supply-pipe connected therewith, a horizontally-distributing pipe communicating with said supply-pipe and mounted so as when rotated to have its ends projecting from said frame, cocks in said distributing-pipe, and oil-cups with outlets in said frame.

It further consists of the combination of parts herein set forth.

Figure 1 represents a perspective view of a lubricator embodying my invention. Fig. 2 represents a vertical section thereof. Fig. 3 represents a side elevation of another form of wiper.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A designates a frame which is adapted to be secured in position above the place where oil or lubricant is to be applied.

B designates a supply-pipe at the top of the frame A, and C designates a distributing-pipe which communicates with said pipe B and is supported so as to be capable of rotation within the frame A.

Depending from and connected with the pipe C is a series of cocks D, and below the same is a corresponding number of cups E, which are secured to the bottom of the frame A and provided with agitators F and wipers G, the latter projecting below the discharge ends of said cups, so as to be engaged by the wiper-cup H, which latter is attached to a connecting-rod or other movable object, whereby as the wipers are in the path of the motion of the upper end of the wiper-cup the latter is brought into contact with the former at intervals. Consequently a quantity of oil is taken from said wiper by the cup H and directed by the latter to the place of service. It will be

seen that as the pipe C is supplied with oil through the pipe B it is directed to the different cocks D and caused to drop or fall into the cups E, the amount being properly regulated by said cocks, whereby said cups are uniformly supplied with oil in a reliable and economical manner, avoiding the supply of oil to the cups in large quantities, which occasion waste, while the continued supply to the cup H is sufficient for all purposes. Should the pipe C or the side cocks require cleansing or repairs, said pipe is rotated, whereby the end caps of the same and said cocks are outside of the frame A, and thus accessible, as illustrated by the dotted lines, Fig. 1, after which said pipe may be restored to its normal position, the cocks being again over the side cups F. In the drawings the pipes C are shown as connected with the supply-pipe B by a \perp -joint, so as to be adapted to horizontally rotate on the lower end of the same; but other means of connecting said supply and distributing pipes to produce the same results may be used.

As the central cock D is in line with the supply-pipe B, it may be readily cleansed from above or below, as desired.

In Fig. 3 the wipers are made of tufts or bunches of fibrous material, while those shown in the other figures are leather, the result, however, being the same in each case.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A lubricator having a frame with an oil-supply pipe connected therewith, distributing-pipes mounted on the lower end of said supply-pipe and rotatable horizontally therein and having cocks thereon, and oil-cups on said frame below said distributing-pipes, said parts being combined substantially as described.

2. A lubricator consisting of a frame, an oil-supply pipe connected therewith, distributing-pipes connected with a joint, rotatably mounted on the lower end of said supply-pipe, cocks on said distributing-pipes, and oil-cups on said frame below said cocks, a portion of said cocks when said distributing-pipes are ro-

tated being removed from over said oil-cups, said parts being combined substantially as described.

3. A lubricator consisting of a frame, a supply-pipe, a distributing-pipe connected with
5 said supply-pipe and rotatably mounted within the frame, cocks in said discharging-pipe, cups on the frame below said cocks, wipers in said

cups having their lower ends extending below the same, and a wiper-cup adapted to be engaged by the wipers, said parts being combined substantially as described.

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Witnesses:

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