

No. 736,494.

PATENTED AUG. 18, 1903.

F. CHARRON & L. GIRARDOT.  
RESERVOIR FOR MOTOR VEHICLES.

APPLICATION FILED APR. 22, 1902.

NO MODEL.

2 SHEETS—SHEET 1.

FIG. 3-

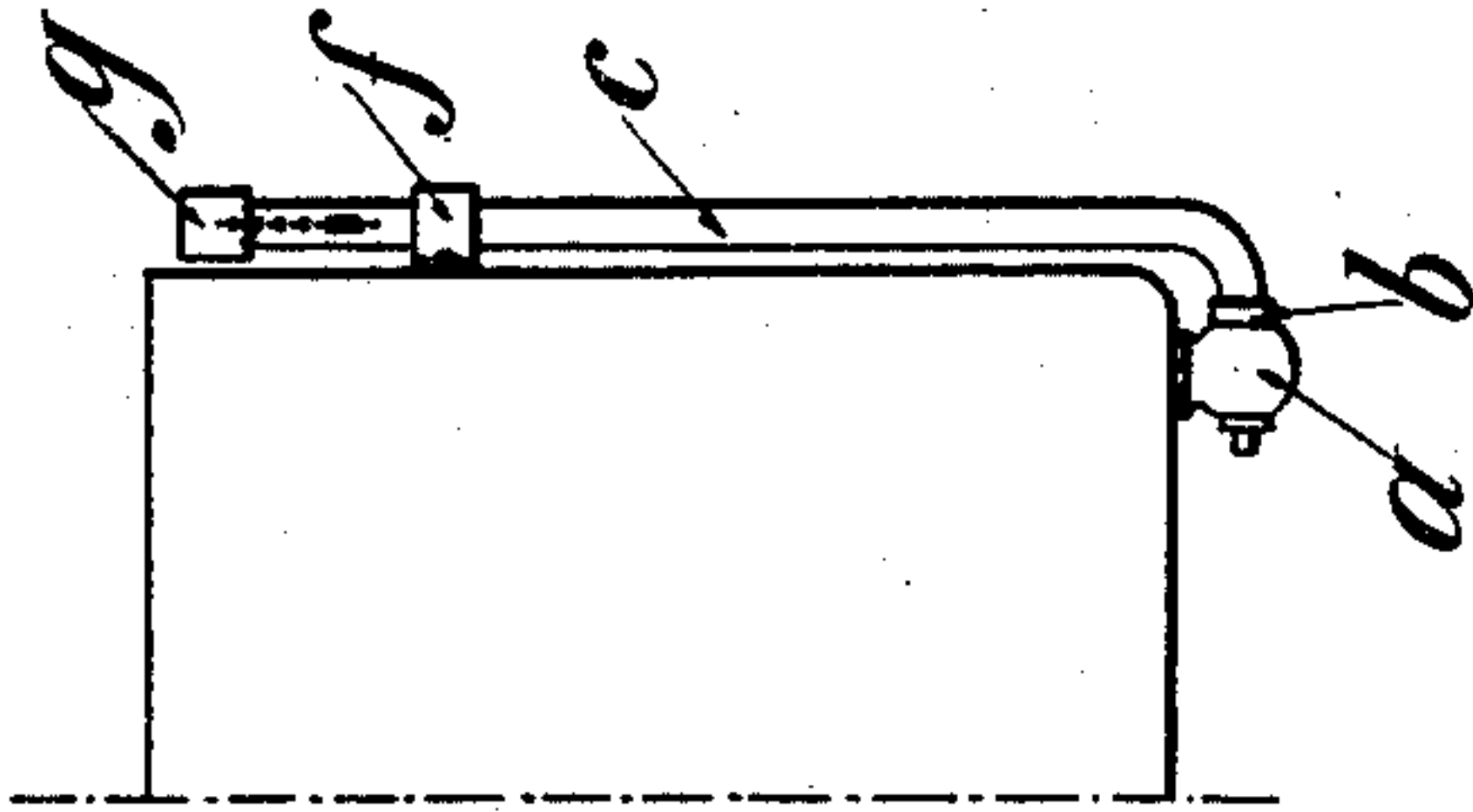


FIG. 1-

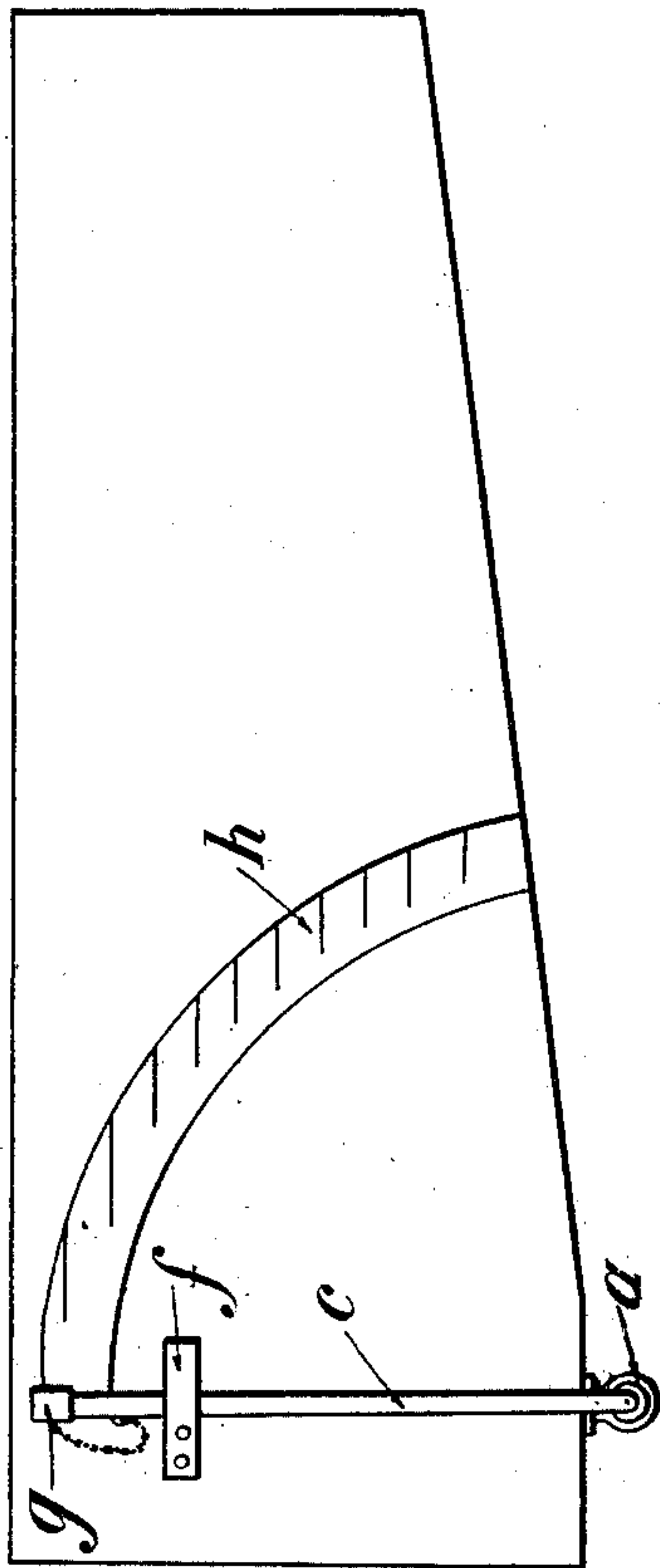
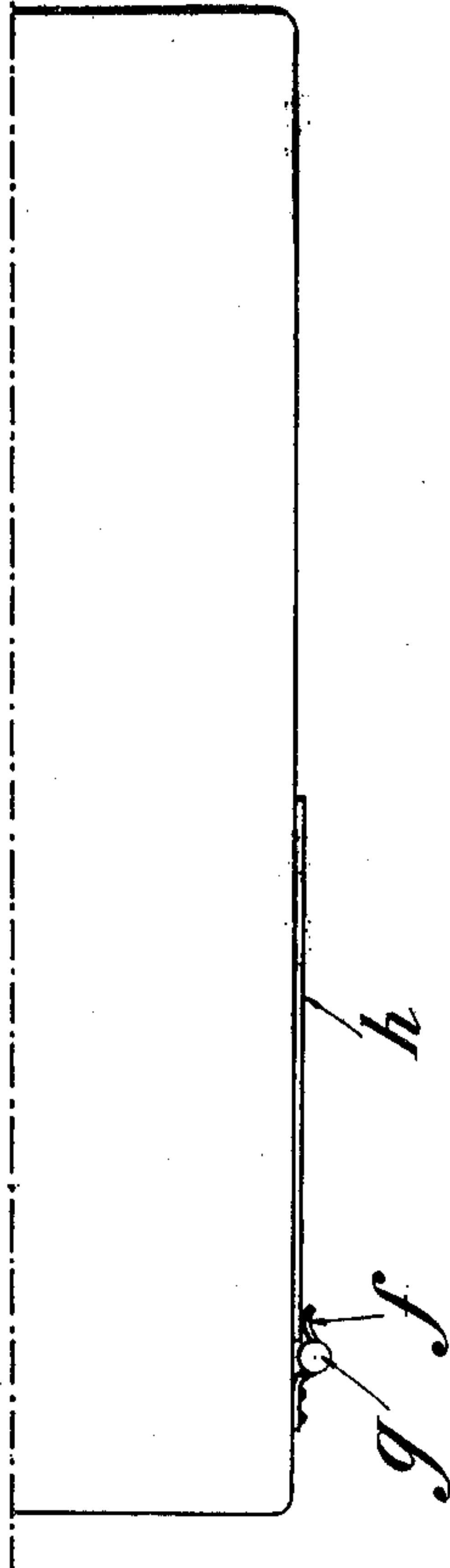


FIG. 2-



Witnesses:  
E. R. Bolton  
Harry Aldom

Inventors:  
Ferdinand Charron  
Léonce Girardot  
By *Richard D. A.*  
their Attorneys.

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2 SHEETS—SHEET 2.

FIG. 4.

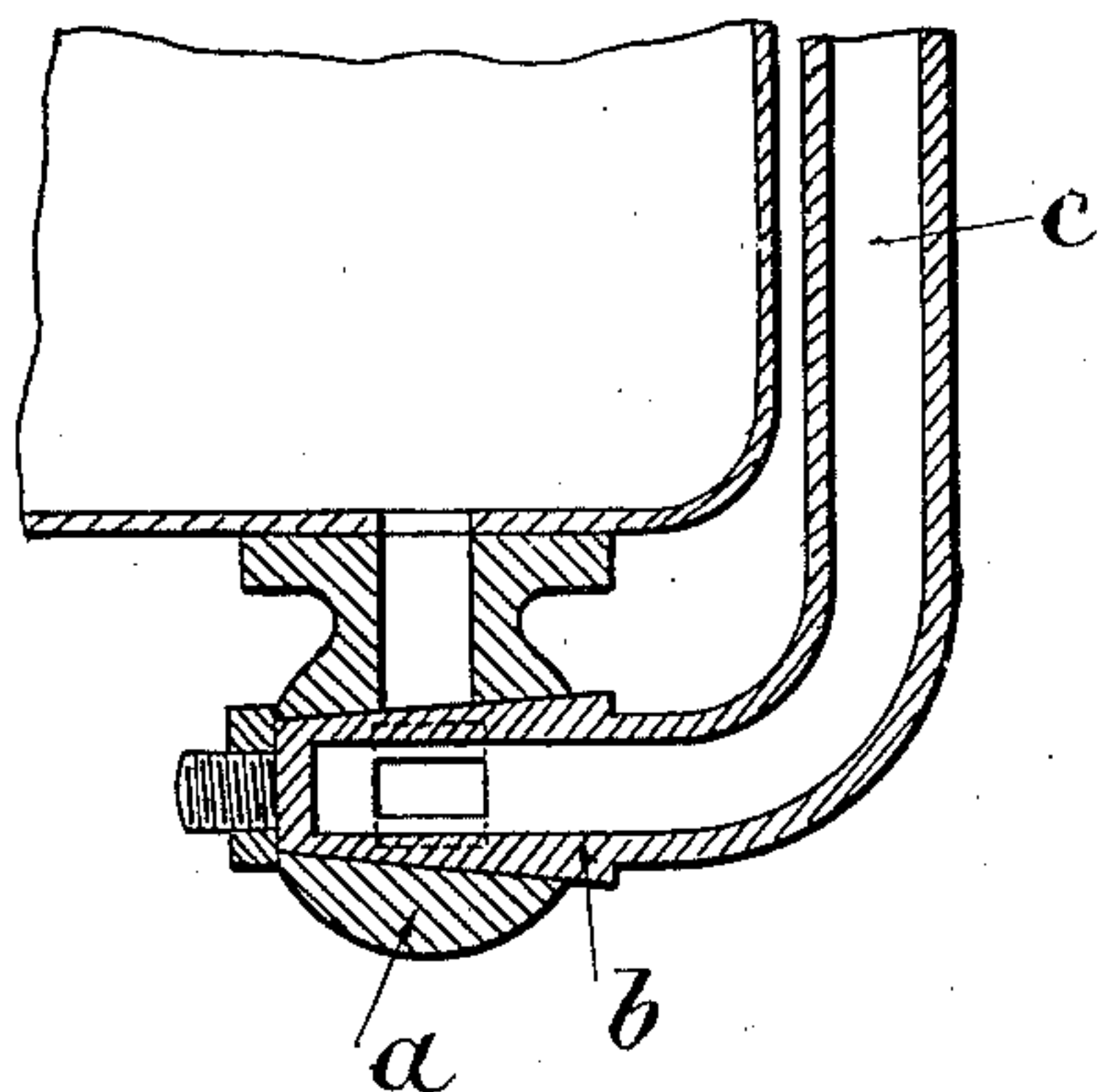
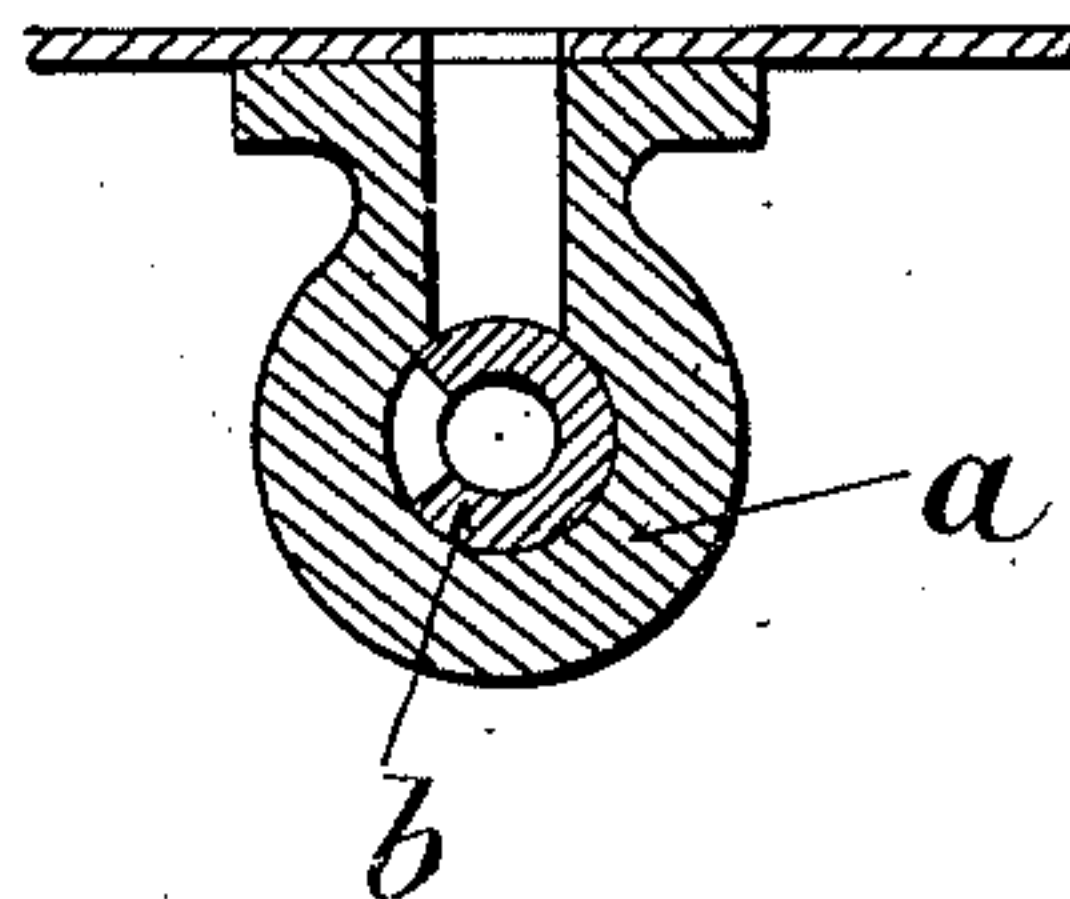


FIG. 5.



WITNESSES

*H. M. Kuehne*  
*James M. Fisher*

INVENTORS

*Ferdinand Charron*  
*Léonce Girardot*

BY *Richard H. H.*

ATTORNEYS



## UNITED STATES PATENT OFFICE.

FERDINAND CHARRON AND LÉONCE GIRARDOT, OF PARIS, FRANCE.

## RESERVOIR FOR MOTOR-VEHICLES.

SPECIFICATION forming part of Letters Patent No. 736,494, dated August 18, 1903.

Application filed April 22, 1902. Serial No. 104,095. (No model.)

*To all whom it may concern:*

Be it known that we, FERDINAND CHARRON and LÉONCE GIRARDOT, citizens of the Republic of France, residing at No. 45 Avenue de la Grande Armée, Paris, in the Republic of France, have invented certain new and useful Improvements in Reservoirs for Motor-Vehicles, of which the following is a specification.

Our invention relates to automatic gaging reservoirs or tanks for combustible liquids made entirely out of metal and adapted to be used in connection with motor road-vehicles; and the object thereof is to provide a reservoir or tank allowing of indicating immediately the quantity of liquid contained therein.

A further object of our invention is to provide for a reservoir or tank having no water-level or glass pieces; and consequently excluding all danger of breakings or of eventual leakage of the liquid.

In the accompanying drawings, Figure 1 is a front view of our improved tank or reservoir. Fig. 2 is a partial plan view of same. Fig. 3 is a partial side view of same. Fig. 4 is a longitudinal section through the valve, and Fig. 5 is a transverse section.

$a$  is an ajutage-forming cock-shell secured to the bottom of the body of the reservoir or tank  $r$ , and  $b$  is a hollow cock-key closing said ajutage and extending upward by a bent tube  $c$  to the upper level of the tank. At rest when the tube  $c$  is vertical the cock or ajutage  $a$  is closed. At that moment the tube  $c$  is kept in position by an elastic flap  $f$ , secured on one side to the front of the tank, and it is closed at the top by a small cap  $g$ . If it is desired to gage the tank, the cap  $g$  is removed and the tube  $c$  is pulled out of the flap  $f$  and pivoted to the right on the cock-key  $b$ . The cock gets then partially opened from the beginning of that movement, and as soon as the liquid appears at the upper orifice of the tube  $c$  the movement is stopped. The volume of liquid contained at that mo-

ment in the reservoir is then indicated by the number written on the dial-plate  $h$  on the division opposite which the orifice of the tube stands. The tube is then brought to its vertical position, which closes the cock. The operation is thus instantaneous and offers no danger.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is—

1. An automatic measuring reservoir or tank for combustible liquids made entirely out of metal and adapted to be used in connection with motor road-vehicles, comprising a body of reservoir or tank  $r$  in combination with an ajutage  $a$  forming cock-shell secured to the bottom of said reservoir or tank, a bent tube  $c$  the lower end of which is pivoted in the cock-shell  $a$  so as to form cock-key, and a graduated dial-plate  $h$  on which the open end of the tube  $c$  moves, substantially as and for the purpose set forth.

2. An automatic measuring reservoir or tank for combustible liquids made entirely out of metal and adapted to be used in connection with motor road-vehicles, comprising a body of reservoir or tank  $r$  in combination with an ajutage  $a$  forming cock-shell secured to the bottom of said reservoir or tank, a bent tube  $c$  pivoted by its lower end to the cock-shell  $a$  so as to form cock-key and having at its upper end a cap  $g$ , a graduated dial-plate  $h$  on which the open end of the tube  $c$  moves, and an elastic flap  $f$  secured by one side to the reservoir or tank and under which the tube  $c$  is engaged at rest, substantially as and for the purpose set forth.

In witness whereof we have hereunto set our hands in presence of two witnesses.

FERDINAND CHARRON.  
LÉONCE GIRARDOT.

Witnesses:

ANTOINE LAVOIX,  
EDWARD P. MACLEAN.