

No. 775,166.

PATENTED NOV. 15, 1904.

C. H. CONLON.
NON-REFILLABLE BOTTLE.
APPLICATION FILED JUNE 18, 1904.

NO MODEL.

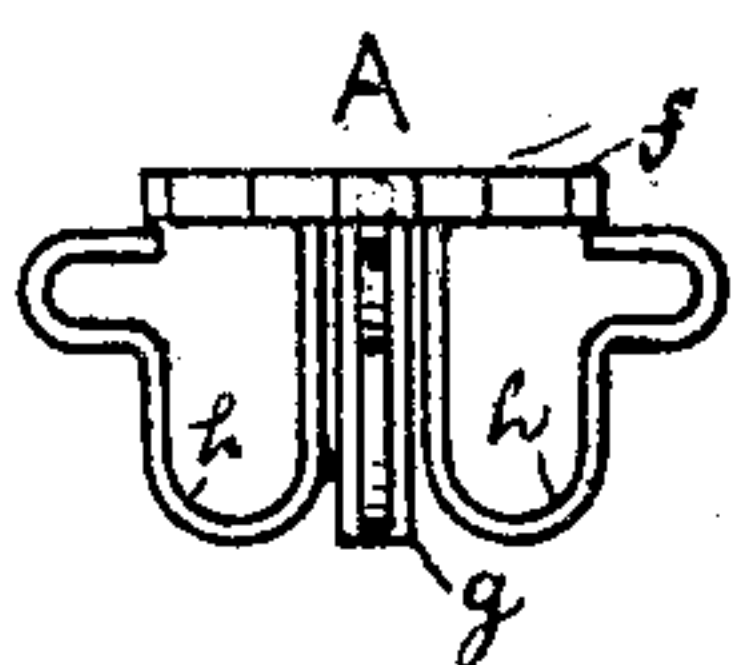


FIG. 3.

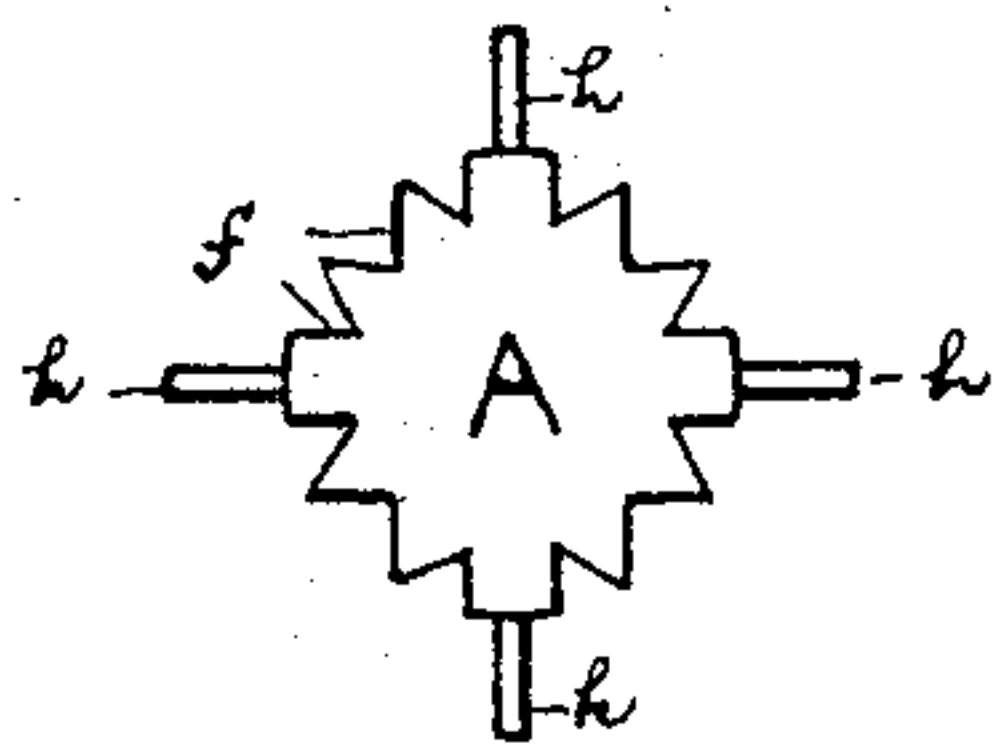


FIG. 4.

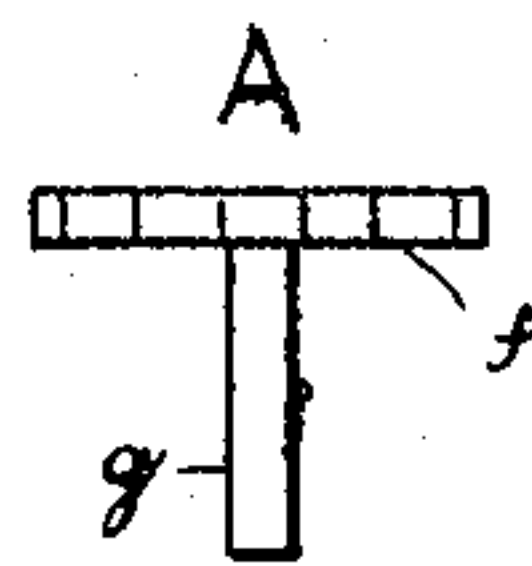


FIG. 5.

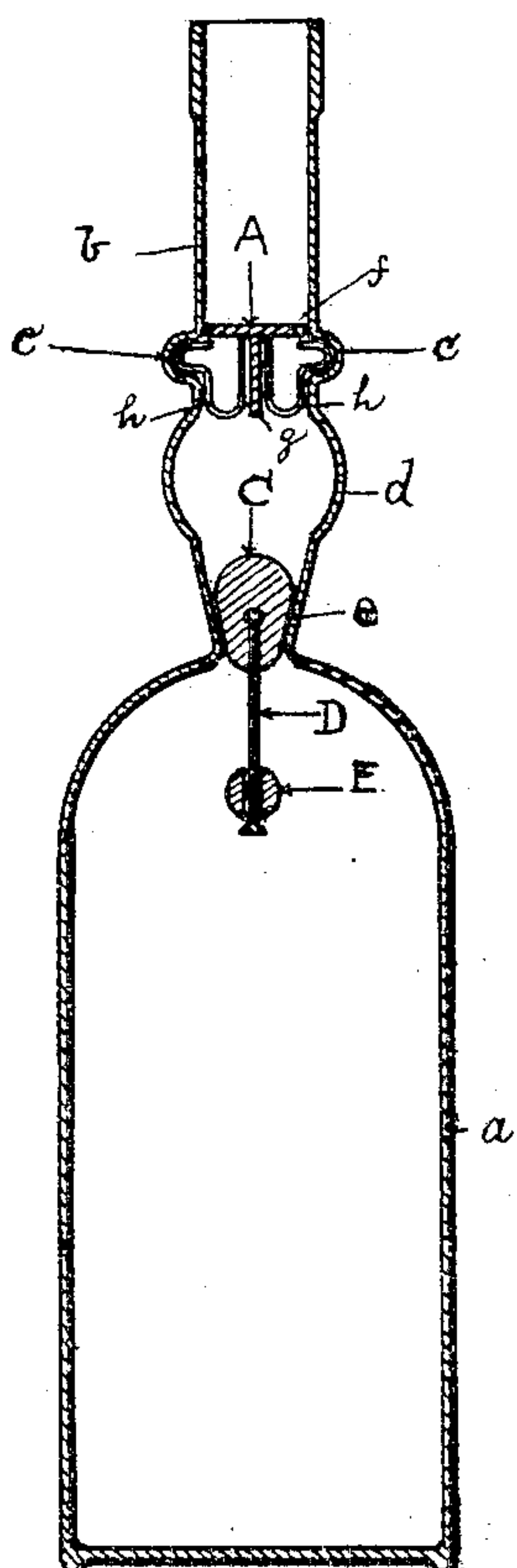


FIG. 1.

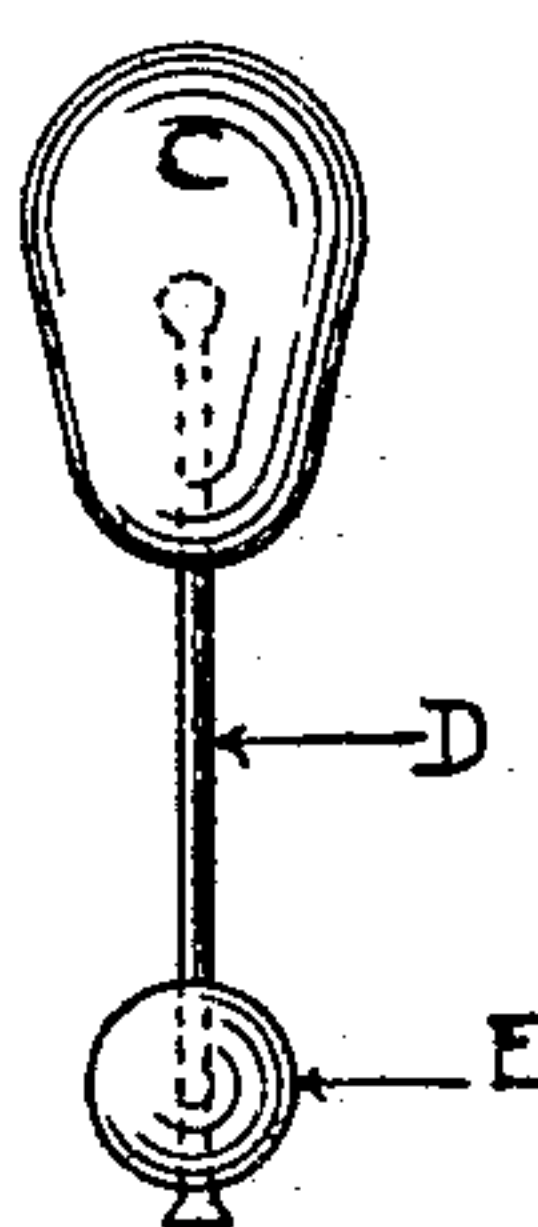


FIG. 6

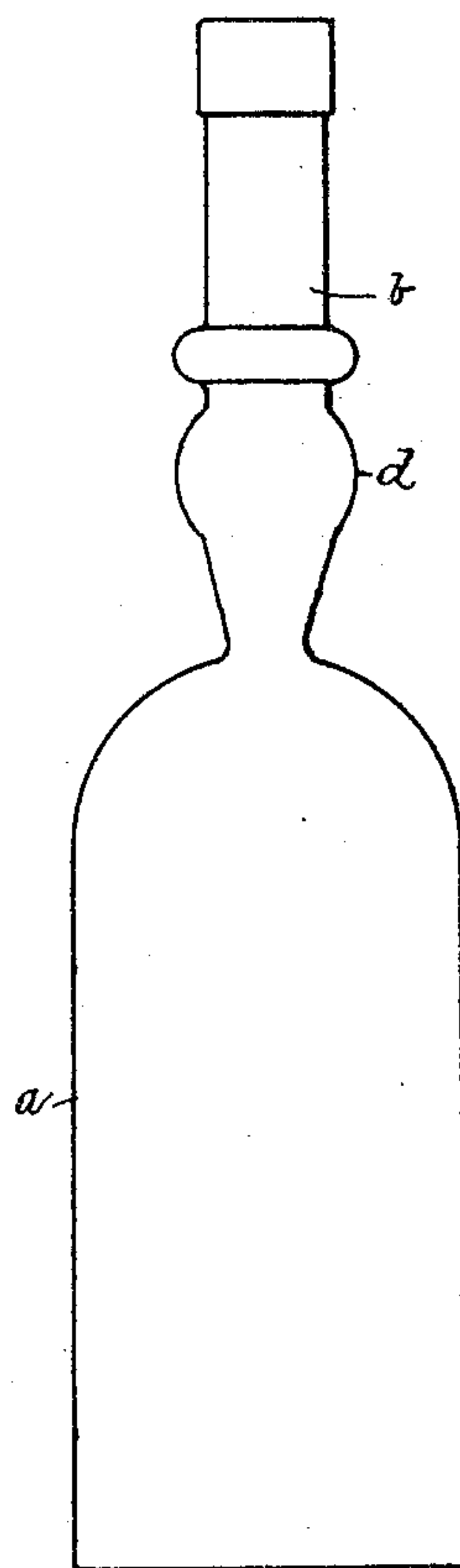


FIG. 2.

Witnesses.
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UNITED STATES PATENT OFFICE.

CHARLES H. CONLON, OF GALVESTON, TEXAS.

NON-REFILLABLE BOTTLE.

SPECIFICATION forming part of Letters Patent No. 775,166, dated November 15, 1904.

Application filed June 18, 1904. Serial No. 213,164. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. CONLON, a citizen of the United States, residing at Galveston, in the county of Galveston and State of Texas, have invented new and useful Improvements in Non-Refillable Bottles, of which the following is a specification.

This invention relates to the projection of a bottle having a stopper-seat in the lower part of its neck and an annular recess above same, of a locking device consisting of a disk or plate of a smaller diameter than the orifice of the bottle, and a series of springs connected with the said plate to engage the annular recess of the bottle-neck when brought opposite same.

Referring to the drawings, Figure 1 is a vertical section of my improved bottle—say one-half the ordinary size. Fig. 2 is an elevation of same. Fig. 3 is an enlarged side view of a check-plate provided with detention-springs. Fig. 4 is a top view of same. Fig. 5 is a side view of a check-plate without its detention-springs, and Fig. 6 represents a stopper having a depending rod provided with a sliding weight and means for retaining the weight on the rod.

On the drawings, the letter *a* designates a bottle the neck *b* of which is provided at or about its center with a transverse annular groove *c* and below same with an enlarged chamber *d* and a contracted tapering socket *e*, the latter forming a seat for a conical or egg shaped stopper *C*, which is provided with a depending rod *D*, having a weight *E* loosely fitted thereon. The end of the rod is enlarged by hammering or otherwise to prevent the weight dropping therefrom. The letter *A* designates a disk or check-plate of less diameter than the orifice of the bottle-neck. The rim of this plate is notched or serrated, as at *f*, and its under side is provided with a downwardly-projecting central stem *g* and a series of springs *h*. The said springs project from the plate *A* in lines parallel with the

stem *g* and near the extremity of the said stem are bent outward and upward. The end of each spring is curved outward and inward, so that its point shall project under the plate *A*, while its outward fold shall serve as an automatic locking device when brought in contact with the groove *c* of the bottle-neck.

In use, the bottle being filled, the stopper *C*, with its rod and weight downward, are inserted in the bottle-neck, so that the stopper shall rest on its seat, as shown in Fig. 1. The disk or check-plate, with its stem and springs downward, is next inserted in the bottle-neck and pressed inward until the curved ends of the springs engage the annular recess *c*. If desired, an ordinary stopper can be inserted in the orifice of the bottle to exclude dust and prevent evaporation of the liquid contents of the bottle.

From the foregoing description it will be seen that the refilling of a bottle of this description is impossible from the fact that the disk or check-plate prevents tampering with the stopper, which is retained on its seat when the bottle is in an upright position by reason of the depending rod and weight. The stopper slides into the enlarged part of the bottle-neck at such times as the bottle is held in a pouring position.

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

1. As a new article of manufacture, a check-plate for that class of non-refillable bottles which have their necks provided with a stopper-seat and an annular recess above same, the said check-plate consisting of a disk having a serrated rim, a downwardly-projecting central stem and a series of springs, each spring projecting from the plate in line with the stem thereof, and being bent outward and rearward near end of said stem and having its free end curved outward and inward, as set forth.

2. The combination with a non-refillable

bottle having a stopper-seat in the lower part
of its neck and an annular recess above the
stopper-seat, of a check-plate having a ser-
rated rim, a downwardly-projecting central
5 stem and a series of springs, each spring pro-
jecting from the plate in line with its central
stem, the said springs bent outward and back-
ward near the end of the stem, and having

their free ends curved outward and inward, as
and for the purpose set forth. 10

In testimony whereof I have hereunto set
my hand this 7th day of October, A. D. 1893.

CHARLES H. CONLON.

Witnesses:

J. C. GONZALES,

R. C. BIERBOWER.