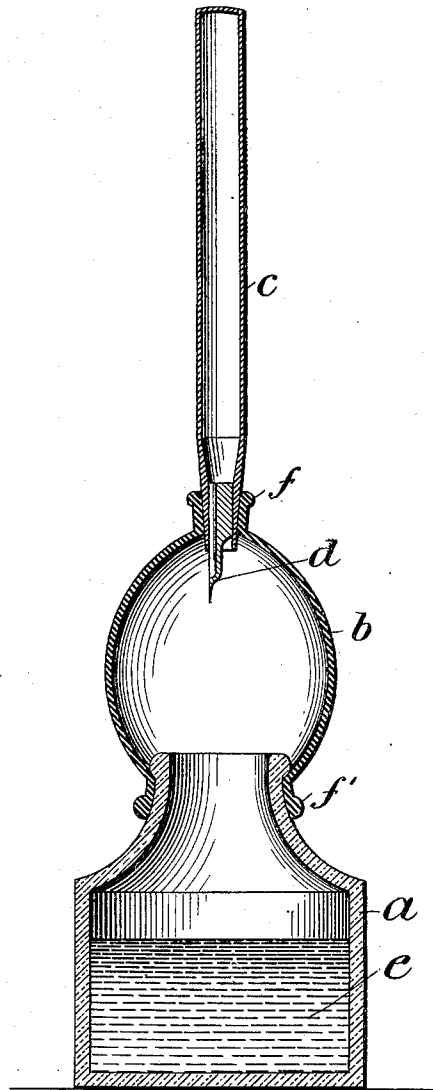


No. 738,859.

PATENTED SEPT. 15, 1903.

H. TAYLOR.
FOUNTAIN PEN FILLING DEVICE.
APPLICATION FILED NOV. 14, 1902.

NO MODEL.



Witnesses:

Charles Edmond, Sr.

John Hull.

Inventor:

Huston Taylor.

UNITED STATES PATENT OFFICE.

HUSTON TAYLOR, OF ST. PAUL, MINNESOTA.

FOUNTAIN-PEN-FILLING DEVICE.

SPECIFICATION forming part of Letters Patent No. 738,859, dated September 15, 1903.

Application filed November 14, 1902. Serial No. 131,367. (No model.)

To all whom it may concern:

Be it known that I, HUSTON TAYLOR, of St. Paul, in the county of Ramsey, in the State of Minnesota, have invented a new and useful Improvement in Fountain-Pen-Filling Devices; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

The nature of my invention consists in providing a fountain-pen-filling device adapted to be used with an ordinary ink-bottle and to fill a fountain-penholder by forcing the ink through the feeder at the nib end into the reservoir of a fountain-penholder that is particularly adapted to fountain-penholders that are made without any other aperture except that through the feeder at the nib end—that is, without a joint in the same.

The figure in the accompanying drawing represents an ordinary ink-bottle *a*, with ink *e* therein, with its open vent inclosed in a nipple *f'*, connecting the same to a bulb-syringe *b*, which syringe has another nipple *f*, engaging and connecting the same with the nib end *d* of a fountain-penholder *c*.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct a rubber bulb-syringe having a nipple-aperture at *f*, adapted to inclose and securely engage the nib end of a fountain-penholder, and having a nipple-aperture at the other end of the bulb adapted to inclose and engage the orifice of an ordinary ink-bottle.

a is an ordinary ink-bottle. *e* is ink therein. *f'* is a nipple on the bulb that engages the neck of the ink-bottle.

b is a bulb-syringe.

d is the nib end of a fountain-penholder with ordinary feeder therein.

f is the nipple end of the bulb, engaging the end of the fountain-penholder.

c is a fountain-penholder, being a hollow cylinder with an aperture only at the nib end *d*.

To operate my invention, the pen *c* is inserted in the nipple *f* of the syringe-bulb *b*, and the nipple *f'* of the syringe-bulb *b* is secured over the neck of an ordinary ink-bottle having ink

therein. The ink-bottle and bulb are then inverted, and pressure is applied to the bulb by squeezing the same with the hand. The pressure is then relaxed, when the elasticity of the bulb will restore it to its normal shape. This pressure and relaxation is continued until the ink is forced through the feeder in the fountain-penholder *d* and until the holder *c* is full of ink, which displaces the air therein, whereupon the ink-bottle and bulb are inverted to the normal position and the fountain-penholder withdrawn from the nipple and is then ready for use. It is not absolutely necessary to use a jointless penholder, but it is much cheaper. The fountain-pen-filling device will operate with the ordinary penholders in use at the present time; but with this fountain-pen-filling device it is not necessary to unscrew the head of the cylinder, as it may be inserted in the bulb and filled by inverting and pressure and release.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A fountain-pen-filling device consisting of a syringe *b* having one nipple-orifice *f'* adapted to engage the neck of an ordinary ink-receptacle *a* with a nipple-orifice on the syringe at *f*, adapted to engage the nib end of a fountain-penholder *c*, substantially as described.

2. As a new article of manufacture a fountain-pen-filling device consisting of a bulb-syringe having two nipple-orifices therein, one of which is adapted to embrace the neck of an ink-receptacle, the vent of which is inserted into and engaged by one of the bulb-nipples, the other nipple on the bulb being adapted to inclose and engage the nib end of a fountain-penholder, substantially as described.

3. In a fountain-pen-filling device, the combination of an ink-receptacle and bulb-syringe having two nipple-orifices, one of which is adapted to embrace the mouth of the ink-receptacle, and the other of which to engage a fountain-pen.

HUSTON TAYLOR.

Witnesses:

ROBERT HORNER KIRK,
HERBERT WILLIAM KNOX.