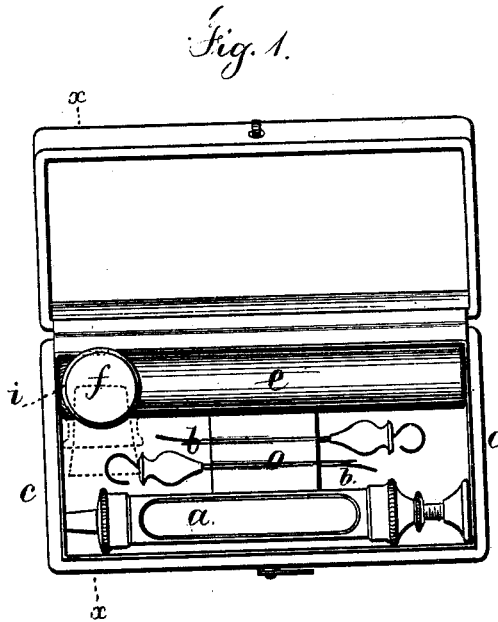
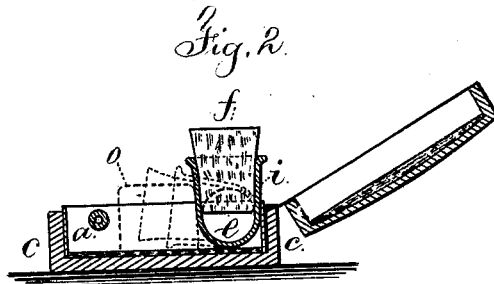


E. PFARRE.  
Hypodermic Syringe Bottle.

No. 195,947.

Patented Oct. 9, 1877.



Witnesses

Chas. H. Smith  
Geo. T. Pinckney

Inventor.

Edward Pfarre.

per Lemuel W. Perrell  
att'y

# UNITED STATES PATENT OFFICE.

EDWARD PFARRE, OF BROOKLYN, NEW YORK.

## IMPROVEMENT IN HYPODERMIC-SYRINGE BOTTLES.

Specification forming part of Letters Patent No. **195,947**, dated October 9, 1877; application filed August 1, 1877.

*To all whom it may concern:*

Be it known that I, EDWARD PFARRE, of Brooklyn, in the county of Kings and State of New York, have invented an Improvement in Bottles for Hypodermic Syringes, of which the following is a specification:

Great inconvenience is experienced in filling a hypodermic syringe from the ordinary straight bottle, because it usually has a narrow neck, and is liable to upset. The narrow neck prevents the insertion of the end of the syringe, and as the liquid is drawn into the syringe its level becomes lower in the bottle; and if the tubular end to the syringe is used, or the syringe is screwed upon the bottle itself, a partial vacuum is liable to be formed, so that the piston returns partially when released, and often some of the fluid re-enters the bottle. The liability to spill the contents of the bottle is increased by the fact that the bottle has to be removed from the case and stood upright.

All these difficulties are overcome by my improvement, which consists in a bottle with a neck at one side, instead of the end, and a case adapted to hold the same in a horizontal position, with the neck and stopper turned aside, so that the case will close easily, or with the neck turned upwardly, so that the stopper can be removed and the end of the syringe inserted to the surface or bottom of the liquid, in order that the same may be drawn easily into the syringe without the risk of spilling the liquid or of inaccuracy in the measurement of the contents of the syringe.

In the drawing, Figure 1 is a plan of the case, syringe, and bottle. Fig. 2 is a cross-section of the case and bottle at the line *x x*.

The syringe *a* and injecting-tubes *b* are of usual character, and the case *c* is of the character generally employed, only it is adapted to the peculiar shape of the bottle.

The bottle *e* is of a length to set within the case *c*, and both ends are closed. There is, however, a neck, *i*, at one side of the bottle, of a size that will admit the end of the syringe to be inserted to the bottom of the liquid in the bottle.

The stopper *f* is of india-rubber or other suitable material; and when the bottle is not in use the neck *i* and stopper *f* are to be turned down into the position shown by dotted lines in Figs. 1 and 2, so that the case can be closed; but when in use the neck is to be brought upwardly. The bottle is preferably cylindrical; but it might be prismatic.

Within the case *c* is the stop-block *o*, covered with velvet or other suitable material, so as to produce the requisite friction against the sides of the bottle, to hold the same in either position to which it may be turned. This block is shown by dotted lines in Fig. 2.

I claim as my invention—

The bottle for hypodermic syringes of a length to fit into the syringe-case, and having a neck projecting at one side to receive the stopper, said neck being of a size to allow of the insertion of the end of the syringe, substantially as set forth.

Signed by me this 30th day of July, A. D. 1877.

EDWARD PFARRE.

Witnesses:

GEO. T. PINCKNEY,  
CHAS. H. SMITH.