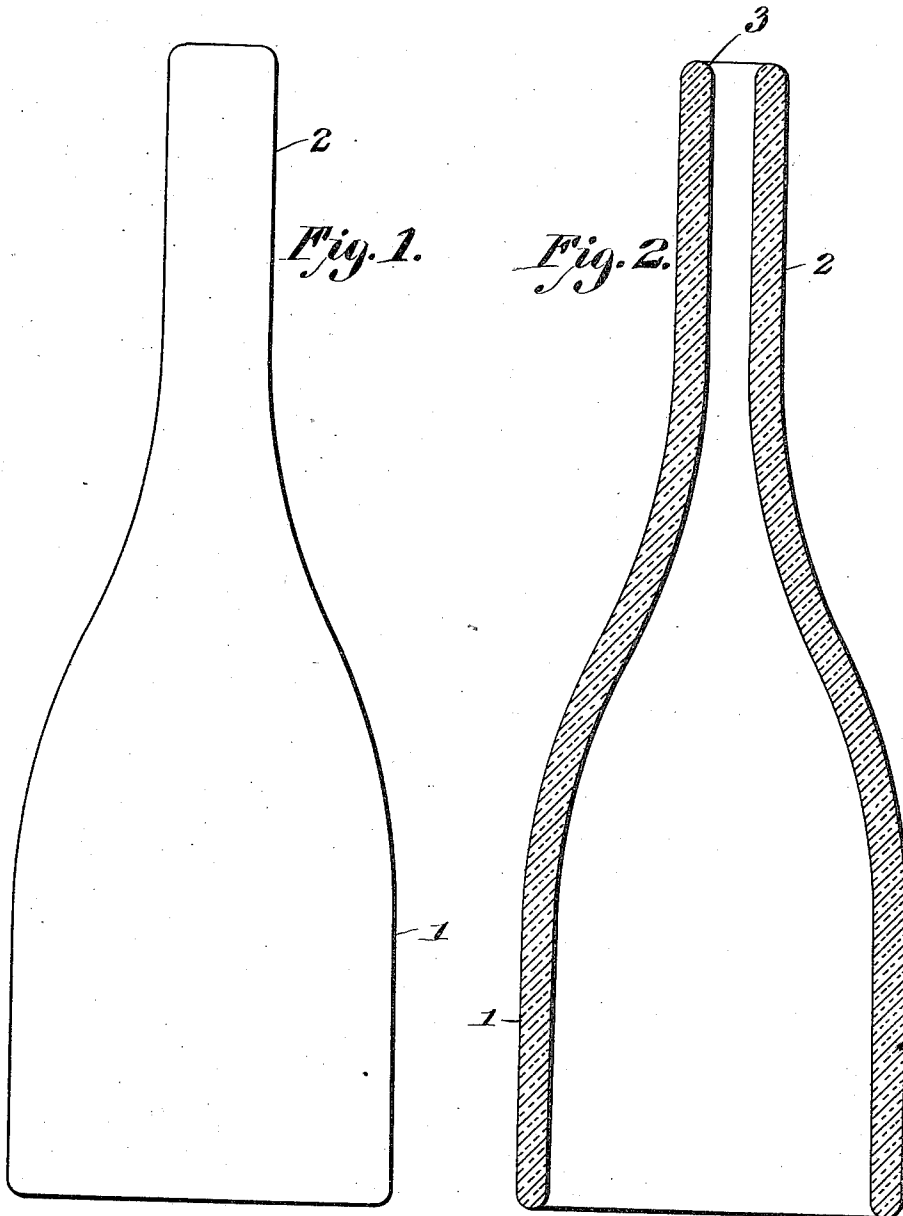


B. CLOUGH.
IMPREGNATOR.

APPLICATION FILED SEPT. 15, 1910.

1,093,538.

Patented Apr. 14, 1914.



Witnesses
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UNITED STATES PATENT OFFICE.

BOSWELL CLOUGH, OF NEW RICHMOND, INDIANA.

IMPREGNATOR.

1,093,538.

Specification of Letters Patent.

Patented Apr. 14, 1914.

Application filed September 15, 1910. Serial No. 582,242.

To all whom it may concern:

Be it known that I, BOSWELL CLOUGH, a citizen of the United States, residing at New Richmond, in the county of Montgomery and State of Indiana, have invented new and useful Improvements in Impregnators, of which the following is a specification.

This invention relates to veterinary impregnators and the object of the invention is the provision of a device which may be readily manipulated so as to cause the hot semen in the vaginal cavities to readily enter the womb.

Heretofore considerable trouble has been experienced in getting mares into foal owing to the displacement or contraction of the cervix or neck of the uterus during copulation.

It has heretofore been customary to insert impregnators into the womb of the mare in the form of funnels of the type shown in Meddick #430,137. This type of impregnator which was used during copulation caused considerable strain upon a mare and frequently the neck of the womb was so distended that it did not properly contract after removal and the semen consequently ran out into the vaginal cavity.

It is the object of this invention to avoid such difficulties and particularly speaking consists in a funnel having a cylindrical body whose sides are substantially parallel and merge into an attenuated neck adapted for insertion into the womb.

Further objects of the invention will appear as the following specific description is read in connection with the accompanying drawing which forms a part of this application, and in which:

Figure 1 is an elevation of the device. Fig. 2 is a sectional view thereof.

Referring more particularly to the drawing 1 represents the body of the device which consists preferably of a cylindrical tube of glass or other suitable material which may be readily treated by antiseptics or the like and which merges into the neck or spout 2 of the funnel. The sides of the

body 1 are parallel as are also the sides of the neck or spout 2. The mouth of the spout is rounded off as at 3 as is also the upper edge of the body 1 so as to prevent cutting or otherwise injuring the parts.

The device is used as follows: Immediately after copulation and the stallion has been lead away and while the mare is still in the pit, the attendant grasps the device in his hands with the forefinger covering the small end of the instrument so as to enable him to locate the opening in the womb. He then inserts his hand and instrument into the vaginal cavity, locates the neck of the womb and inserts the spout or neck of the funnel therein. General pressure is then exerted upon the outer end of the body until the larger part prevents the device from entering farther into the womb. The operator then depresses the point as much as possible so as to bring the funnel into an approximately vertical position, when the hot semen already filling the vaginal cavity will pass through the funnel into the womb. The device is then immediately closed and prevents the semen from running out of the womb into the vaginal cavity.

Having thus described the invention, what is claimed is—

As a new article of manufacture, an impregnator comprising a bottle shaped elastic body open throughout and having an elongated neck, said body and neck having relatively thick parallel side walls terminating to provide rounded-off upper and lower ends, said upper end being adapted to receive the index finger thereagainst so that the finger will form a guide to facilitate the insertion of the neck of said body into the neck of the uterus, and the opposite end of the body being adapted to be engaged by the hand to cause said neck of the body to enter the neck of the uterus.

In testimony whereof I affix my signature in presence of two witnesses.

BOSWELL CLOUGH.

Witnesses:

D. M. WASHBURN,

J. H. HOLLIN.