

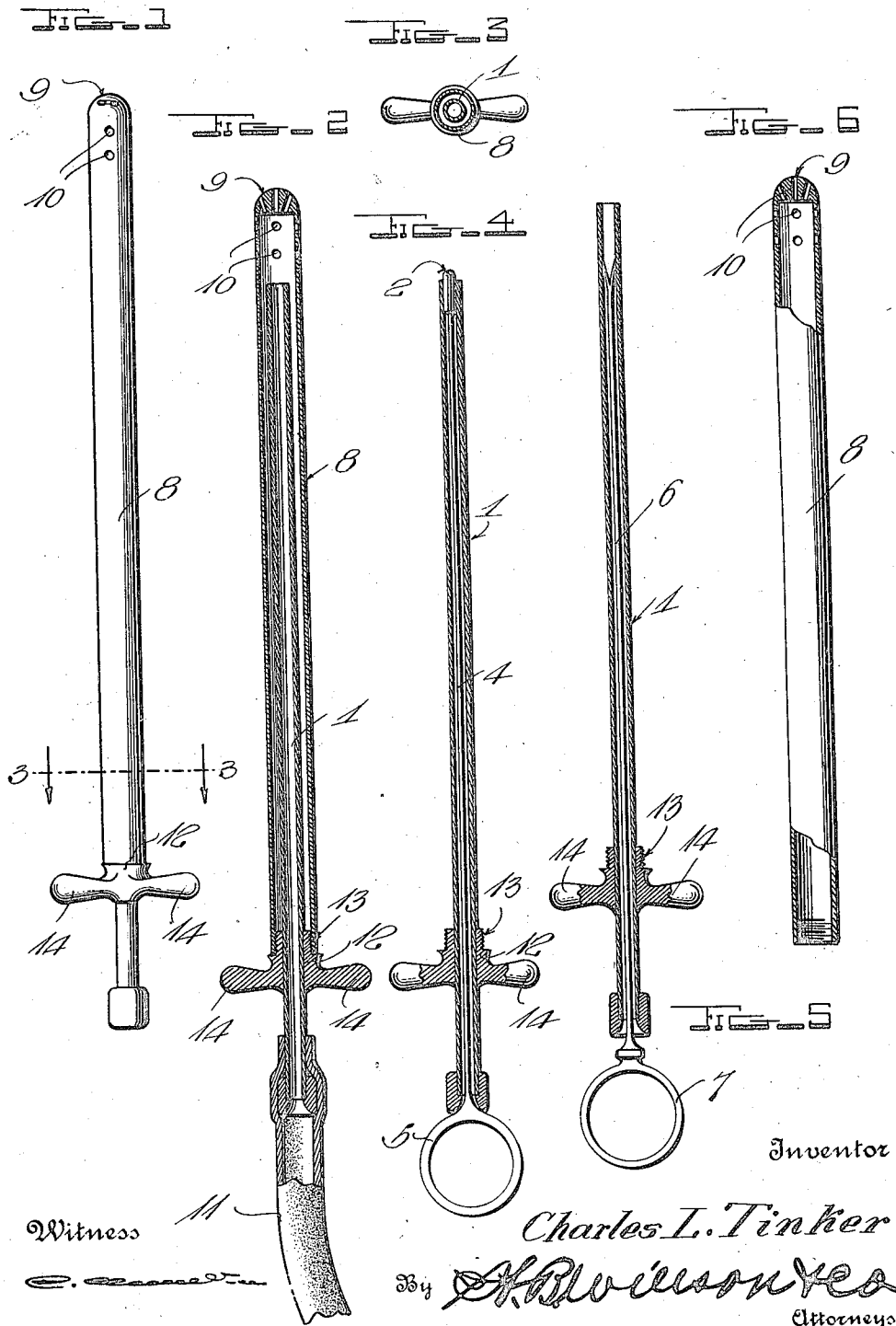
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C. L. TINKER

COMBINED TAMPON PACKER AND SYRINGE

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UNITED STATES PATENT OFFICE.

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COMBINED TAMPON PACKER AND SYRINGE.

Application filed October 23, 1922. Serial No. 596,302.

To all whom it may concern:

Be it known that I, CHARLES L. TINKER, a citizen of the United States, residing at New Philadelphia, in the county of Tuscarawas and State of Ohio, have invented certain new and useful Improvements in Combined Tampon Packers and Syringes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in surgical instruments and has reference more particularly to the so called tampon packers which are used for packing strips of antiseptic gauze, known as tampons, in cavities of the body. Devices of this character are provided with a tube through which the tampon is forced by means of a suitable plunger rod or fork and it is the object of my invention to provide a second tube applicable around the exterior of the first mentioned tube and provided with a rounded perforated front end, while its rear end has a detachable fluid-tight connection with said first mentioned tube. Thus, by adapting the rear end of the tampon-guiding tube for the attachment of a liquid supply tube thereto, said tampon-guiding tube may be used to supply a liquid to the perforated outer tube, forming an effective syringe.

With the foregoing in view, the invention resides in the novel subject matter herein-after described and claimed, the description being supplemented by the accompanying drawing:—

Figure 1 is a side elevation of a surgical instrument constructed in accordance with my invention.

Fig. 2 is a longitudinal sectional view.

Fig. 3 is a transverse section on line 3—3 of Fig. 1.

Fig. 4 is a longitudinal section through the tampon-guiding tube, showing its end closed by a rounded plug, for insertion into a cavity of the body without injury.

Fig. 5 is a duplicate of Fig. 4 with the exception that it illustrates the tampon-feeding rod in the tampon-guiding tube.

Fig. 6 is a side elevation partly in section, of the external tube.

In the drawings above briefly described, the numeral 1 designates a relatively small tube for insertion into any cavity of the body for the purpose of guiding a strip of ab-

sorbent gauze, known as a tampon, into said cavity. When inserting the tube, its front end is closed by a rounded plug 3 carried by a wire or rod 4 having a suitable operating handle 5 for inserting it through and drawing it from the tube 1. After inserting the tube 1 and withdrawing the plug 2 and rod 4, another rod or fork 6 is insertable into the tube, for feeding the tampon there-through. The handle 7 of the rod 6 strikes the rear end of the tube 1 before the forked end of said rod can project from the front end of the tube 1 and hence no injury can result.

The construction so far described is nothing more than an ordinary tampon packer, but I provide means whereby this packer may be converted into an effective syringe. In obtaining this result, I employ a relatively large tube 8 to surround the tube 1 in spaced relation thereto, the rear end of said tube 8 having a fluid-tight connection with the tube 1, while the front end of said tube 8 is rounded as indicated at 9 and is formed with liquid discharge perforations 10. It will thus be seen that by applying a liquid supply tube 11 to the rear end of the tampon-guiding tube 1, which is adapted for that purpose, a liquid can be supplied to the device and the latter used advantageously as a syringe. This use preferably takes place before the tampon is packed in place, but not necessarily so. It will be seen that the device is quickly and easily convertible for use either as a syringe or tampon packer, simply by applying or removing the tube 8, as occasion may require.

In the preferred form of construction, a head 12 is secured around the rear portion of the tube 1 and is threaded as at 13, for engagement with internal screw threads in the tube 8, thereby forming a quickly separable fluid-tight connection between the two tubes. If desired, the head 12 may carry a suitable operating handle 14.

As excellent results are obtained from the details disclosed, they are preferably followed, but within the scope of the invention as claimed, numerous minor changes may be made.

I claim:—

1. The combination with a tampon packer including a tampon guiding tube; of an outer tube adapted to receive said tampon-guiding tube, and means for connecting the rear end of said outer tube with said tampon-

guiding tube in a fluid-tight manner, the front end of said outer tube being rounded and perforated, whereby a liquid fed through the tampon-guiding tube may be discharged 5 from said outer tube, the rear end of said tampon-guiding tube being adapted for the attachment of a liquid supply tube thereto.

2. A structure as specified in claim 1, the

connecting means for the two tubes consisting of a threaded head on the tampon-guiding tube, upon which said outer tube is adapted to be threaded. 10

In testimony whereof I have hereunto affixed my signature.

CHARLES L. TINKER.