

Jan. 24, 1933.

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1,895,036

ANÆSTHETIC DROPPING STAND

Filed April 30, 1931 2 Sheets-Sheet 1

Fig. 1.

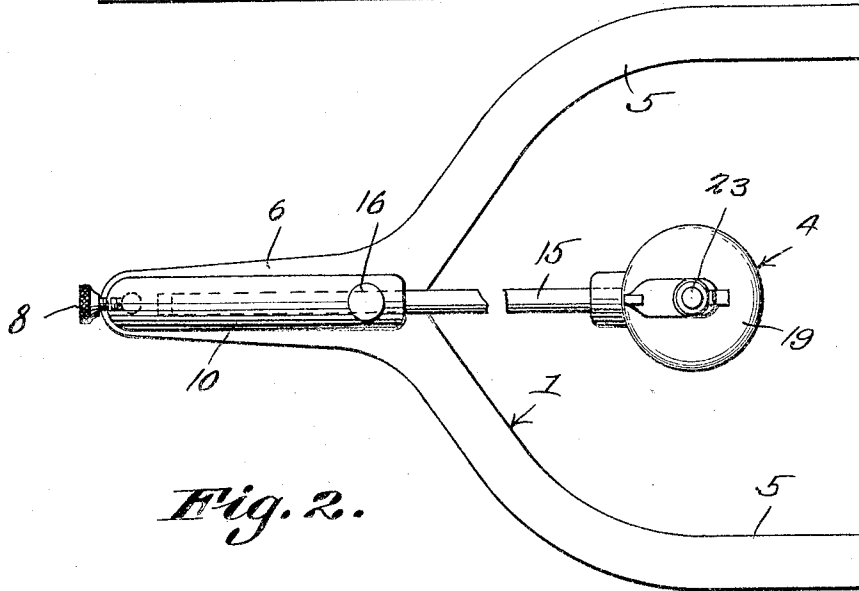
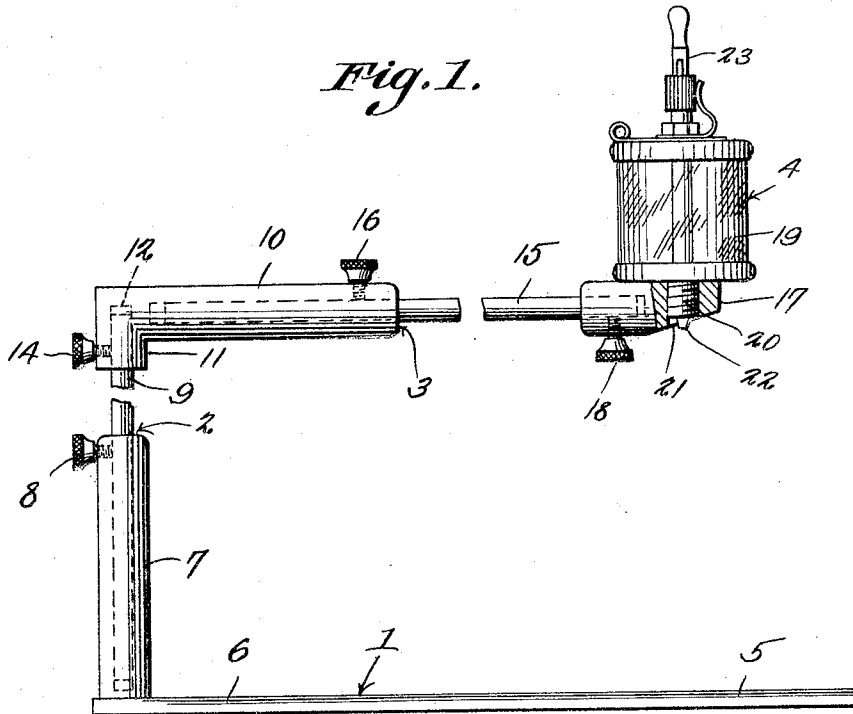


Fig. 2.

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2 Sheets-Sheet 2

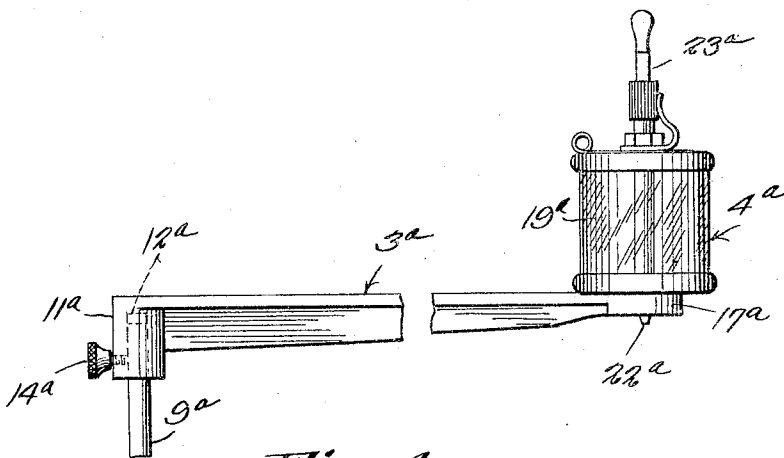
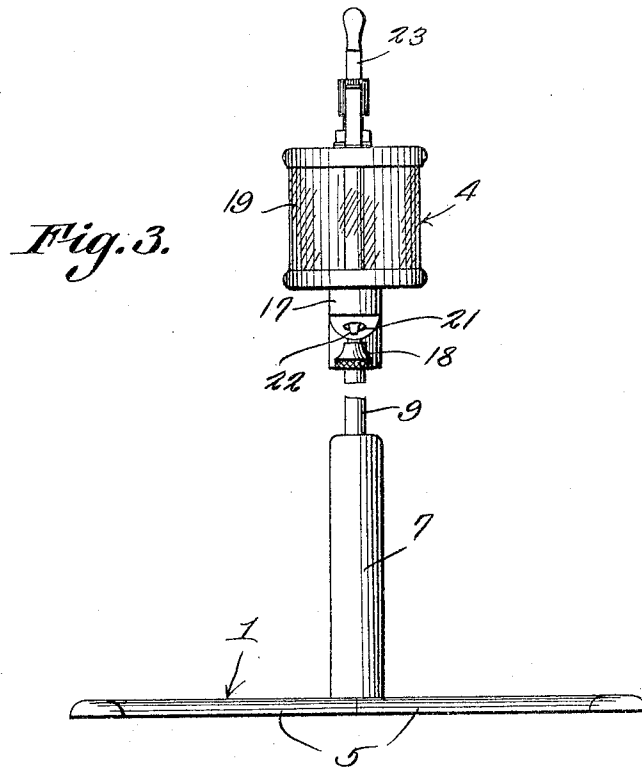


Fig. 4.

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UNITED STATES PATENT OFFICE

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ANÆSTHETIC DROPPING STAND

Application filed April 30, 1931. Serial No. 534,109.

This invention aims to provide a novel means whereby an anæsthetic may be administered readily to a patient, it being possible for a surgeon to operate, and at the same time have his anæsthetic dispensed properly, the device being of peculiar utility when there is no one at hand to administer the anæsthetic, as an attendant upon the surgeon. Another object of the invention is to provide a device of the class described which can be held in place by the head of the patient, either on a bed or on an operating table. A further object of the invention is to provide an article of the sort mentioned which can be adjusted readily, both vertically and horizontally.

It is within the province of the disclosure to improve generally and to enhance the utility of devices of that type to which the invention appertains.

With the above and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawings:—

Figure 1 shows in side elevation a device constructed in accordance with the invention; Figure 2 is a top plan; Figure 3 is an elevation wherein the device is viewed endwise; Figure 4 is a fragmental side elevation showing a modification, parts being broken away in all of the views.

The device forming the subject matter of this application comprises a horizontal base 1, a vertically adjustable standard 2 at one end of the base, a removable, horizontally adjustable arm 3 on the upper end of the arm, and a dropper 4 carried by the arm and located above the outer end of the base, the parts 1, 2, and 3 cooperating to form a U-shaped frame, as Figure 1 will show.

As to details, the base 1 comprises a fork 5, the arms of which are widely separated, the arms merging into a shank 6 to which is

secured a tubular socket 7 carrying a setscrew 8. A post 9 is vertically adjustable in the socket 7. A bracket 10 is provided and has a depending end 11. A bore 12 extends part way through the end 11 of the bracket, and in this bore, the upper end of the post 9 is removably received. A setscrew 14 is threaded into the end 11 of the bracket 10.

An extension rod 15 is longitudinally slidable and rotatable for adjustment in the bracket 10 and is held in place by a setscrew 16, threaded into the bracket. The outer end of the extension rod 15 is slidably and rotatably received in a support 17 carrying a setscrew 18, which engages the extension rod 15.

The dropper 4 is of known construction, and may be an article of the kind now used for the lubrication of machinery. It comprises a tank 19 provided at its lower end with a reduced neck 20, threaded into a hole 21 extended entirely through the outer end of the support 17. The neck 20 terminates in a nozzle 22, through which the anæsthetic passes, drop by drop. The numeral 23 designates means whereby the flow of the anæsthetic to the nozzle 22 may be regulated. A more extended description of the dropper 4 is not necessary, since the foregoing remarks, noted in connection with the drawing, will make both its construction and operation manifest.

In Figure 4 of the drawings parts hereinbefore described have been designated by numerals previously used, with suffix "a". The modification consist in making the arm 3a in one piece, rather than longitudinally adjustable, as in Figure 1.

The fork 5 of the base 1 is placed under the pillow on which the head of the patient rests, and the device, therefore, is held in place by the weight of the patient's head. The article can be used with equal facility either on a bed or on an operating table. The standard 2 extends upwardly behind the patient's head, and the post 9 can be adjusted vertically to place the nozzle 22 properly, so far as vertical adjustment is concerned, the post 9 being held in adjusted position by tightening the setscrew 8. Hori-

zontal adjustment can be obtained by sliding the rod 15 in and out and holding it through the instrumentality of the setscrew 16. A further adjustment can be secured by rotating the rod 15 in the bracket 10. After the frame has been arranged properly, the flow of the anæsthetic, drop by drop, can be regulated by the means shown at 23.

The article can be taken apart and stowed in small compass in a special case, or in a physician's bag, it being noted that the parts 4—17—15—10—9—7 are readily separable.

The setscrew 14 may be loosened, and then the arm 3 may be swung laterally, it being possible, thus, to move the dropper 4 toward and away from a position above the head of the patient.

What is claimed is:—

An anæsthetic dropping stand comprising a base provided at one end with a horizontal fork which receives and determines the position of the patient's head, so far as horizontal movement of the head is concerned, a vertical standard at the opposite end of the base, a horizontal rod carried by the standard, a support, a dropper carried by the support and located above and between the sides of the fork, the standard comprising parts which are relatively adjustable about a vertical axis thereby to give the dropper a gross adjustment horizontally with respect to the sides of the fork, means for mounting the support for rotation about a horizontal axis on the rod, to give the dropper a fine adjustment with respect to the sides of the fork, and clamp means connecting the support with the rod and holding the support against rotary movement on the rod, the lower end of the dropper being so close to the support, and the clamp means being so close to the lower end of the dropper that while the hand of an operator is on the clamp means, the same hand can catch the drip from the dropper.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

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