Dec. 6, 1927. 1,652,065

S. TASCARELLA

STEP FOR SURGICAL TABLES

Filed April 10, 1926

Fig. 1.

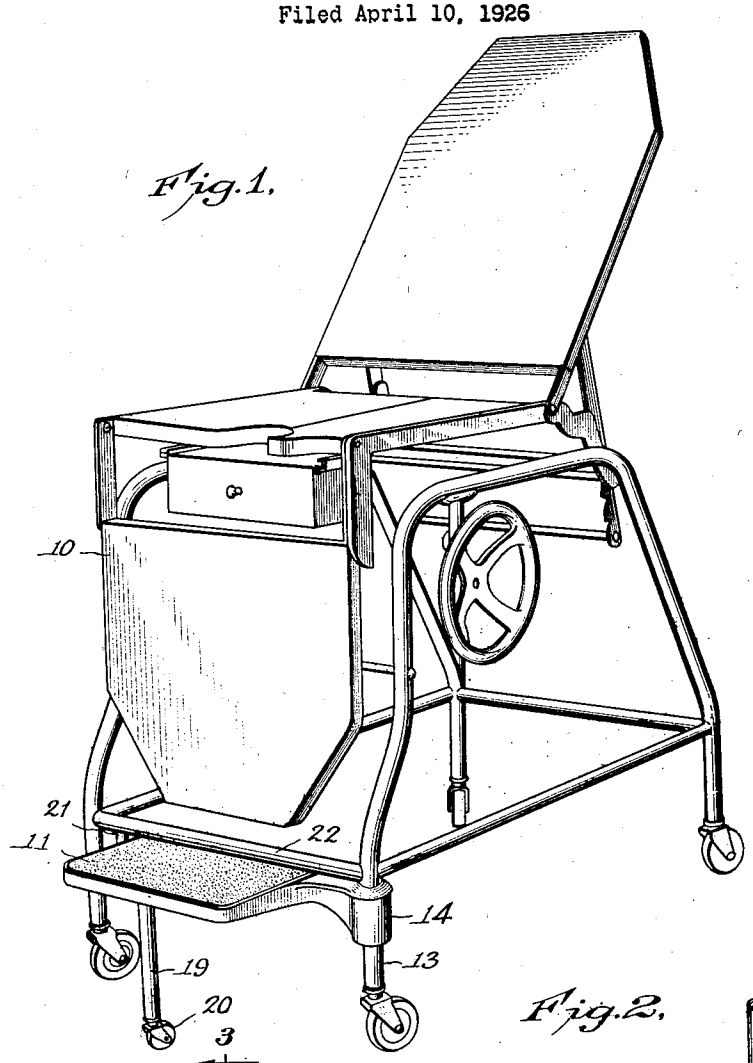


Fig. 2.

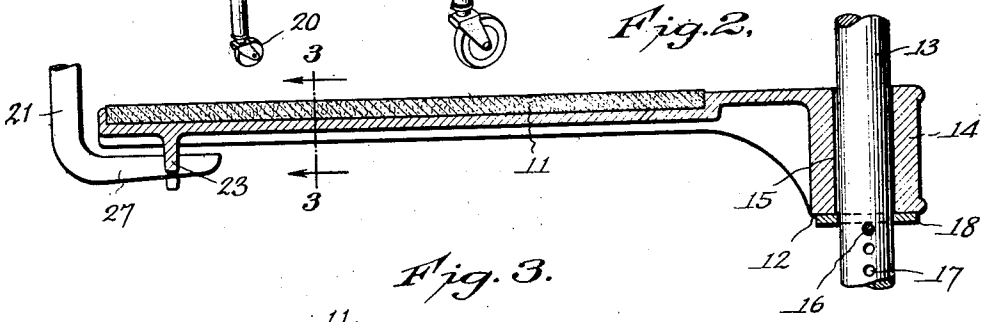
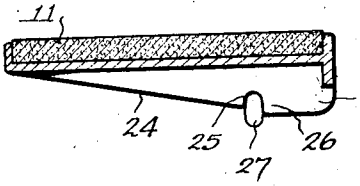


Fig. 3.



WITNESSES

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Patented Dec. 6, 1927. 1,652,065

UNITED STATES PATENT OFFICE.

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STEP FOR SURGICAL TABLES.

Application filed April 10, 1926. Serial No. 101,182.

This invention relates to appurtenances for tables and the like, and has especial reference to steps for surgical tables.

Some of the objects of the present invention are: to equip a table with means in the form of a step so that a person may the more readily mount or climb to the top thereof, or to be the more readily assisted to do so; to equip a surgical table with a step which may be moved from a serving position to a non-serving or out-of-the-way position, so that after a patient has mounted the table top, the surgeon may move about freely; and to equip a surgical table with a step capable of being moved to serving and non-serving positions which will be releasably maintained in the serving position.

The nature of the invention and its distinguishing features and advantages will appear when the following specification is read in connection with the accompanying drawing, in which—

Figure 1 is a view of a surgical table equipped with the step of the present invention.

Fig. 2 is a sectional view through the step and illustrating the manner in which it is temporarily retained in serving position.

Fig. 3 is a sectional view taken on the line 3—3 of Fig. 2.

In the illustrated embodiment of the invention, a surgical table 10 of the type used by medical doctors and surgeons, is equipped with a step 11. Surgical tables usually are quite high so that a surgeon may conveniently carry out surgical operations, and the table being high makes it difficult for a patient to mount the same, and for that reason the step is provided. Means 12 is provided for connecting the step for compound movement to a serving and a non-serving position. Connection of the step by the means 12 is made to a portion 13 of one of the legs of the table 10. The means 12 may be diversely formulated but in the present instance consists of a hub-like member 14 through which the portion 13 extends, the bore 15 in said member 14 being somewhat larger in diameter than the diameter of the portion 13, to allow the step to have a limited up and down movement as well as a pivotal movement. A pin 16 is employed and extends through one of the transverse holes 17 in the portions 13, and resting on the opposite ends of the pin 16 is a washer 18 upon which the member 14 rests.

In order to give proper support to the step 11 the same is provided with a supporting leg 19, having a castor or roller 20. Thus provision is made for supporting or propping the free end of the step 11, and provision is also made for facilitating the movement of the step from one position to another.

In order to retain the step 11 in a serving position such as the position it is shown in in Fig. 1, there is provided a retaining means which comprises a part 21 on one of the end rails 22 of the table, and a part 23 on the under side of the step 11. The part 21 is of L-shape and depends from the rail 22 disposed substantially in a vertical plane. The part 23 extends transversely of the step 11 and is provided with a lower inclined edge 24 which acts as a cam, a notch 25, and an abutment 26 which serves as a stop. When the step 11 is moved to a serving position, the cam portion 24 will ride upon the horizontally disposed member 27 of the L-shaped part 21, and because of the fact that the step may have a limited up and down movement due to the comparatively large bore 15, the step will move upwardly during pivotal movement, and as a consequence the member 27 will be disposed in the notch 25. Thus the step is brought to a serving position in which it will be releasably maintained. In order to move the step 11 to an out of the way or non-serving position it is only necessary to raise the step slightly upwardly with the tip of one foot which will disengage the member 27 from the notch 25 whereupon the step may be moved with a pivotal movement to the out-of-the-way position beneath the table.

I claim:

1. In combination with a leg of a surgical table, a step, means connecting the step with said leg to permit the step to have a limited up and down movement and pivotal movement to be brought to serving and non-serving positions, cam means on the said step, and means on a portion of the table which coacts with said cam means for releasably maintaining the step in a serving

position, the coaction of said means being obtained in consequence of the up and down and pivotal movement of the step.

2. In combination with a leg of a surgical table, a step, means connecting the step with said leg for compound movement to serving and non-serving positions, a horizontally disposed cam member on the bottom of said step, the said cam member having a notch therein, a member secured to, and projecting from said table in the path of said cam member, whereby said notch may engage the said member on the table for releasably maintaining the step in a serving position when the step is swung to position of use.

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