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2,200,541

SACRAL REST

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FIG. 1.

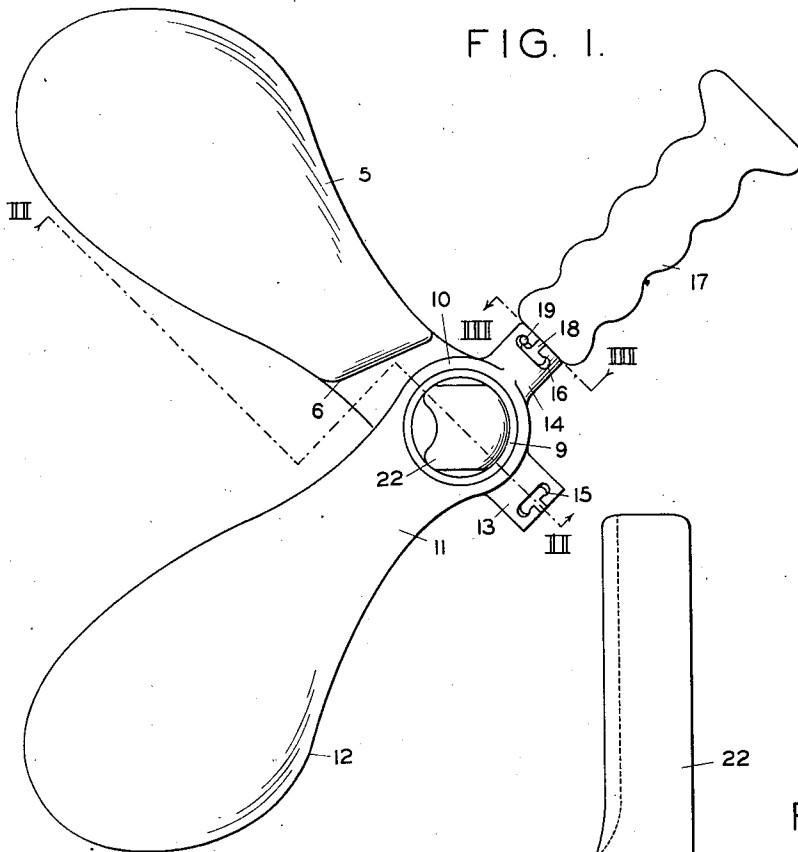


FIG. 2.

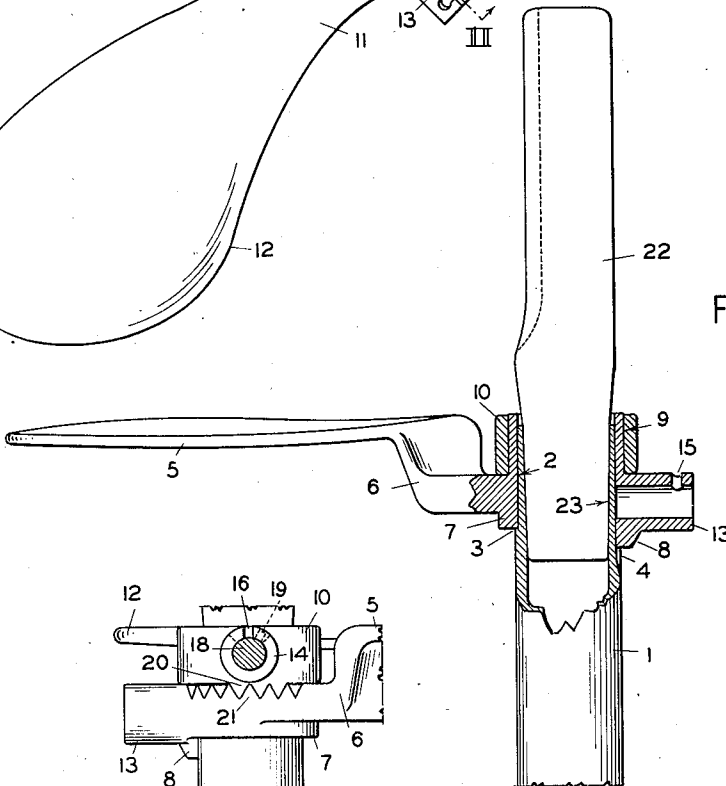
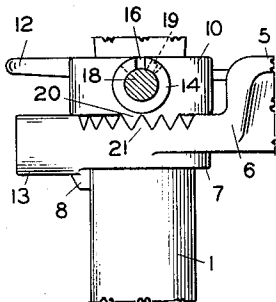


FIG. 3.



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SACRAL REST

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4 Claims. (Cl. 128-84)

This invention relates to improvements in sacral rests for orthopedic tables.

Among the objects of the invention is to provide equilateral adjustability of the sacral rest relative to the buttock width of the patient.

Another object is to provide a sacral rest of ample width that may be easily removed from between the plaster cast and the buttocks after the application of a full plaster cast to the sacral region.

Another object is to so arrange and construct the parts of the sacral rest that they may be easily adjusted and fixed with respect to the patient without obstructing operative technique.

Another object is to provide ample support for the buttock region of the patient without applying painful pressure to the sacrum and coccyx.

Other objects and advantages will appear as the description progresses.

In this specification and the accompanying drawing, the invention is disclosed in its preferred form; but it is to be understood that it is not limited to this form, because it may be modified within the purview of the claims following the description.

In the one sheet of drawings:

Fig. 1 is a plan view from above of an adjustable sacral rest constructed in accordance with this invention.

Fig. 2 is a side elevation of the same partially in vertical section taken on the line II-II, Fig. 1.

Fig. 3 is a fragmentary detail in vertical section taken along the line III-III, Fig. 1, and showing the interlocking means.

In detail, the construction illustrated in the drawing, referring first to Fig. 2, comprises the tubular supporting standard 1, adapted to be fixed to any orthopedic apparatus requiring the same. The upper end of the standard is reduced in diameter to form a cylindrical pivot 2 from the top to the shoulder 3. The longitudinal slot 4 is milled through the shoulder and extends downwardly therefrom in the body of the standard.

The sacral rest comprises two independent blades shaped to fit the relative portions of the human anatomy and adjustable relative to each other. The blade 5 has the offset shank 6 between the blade and the hub 7 encircling the pivot 2 and having the lug 8 engaging the slot 4 to prevent rotation on the pivot. The hub 7 has the upwardly extending sleeve 9 forming the concentric pivot for the hub 10 on the shank 11 of the blade 12.

The blades have the sockets 13 and 14, with the

bayonet slots 15 and 16 respectively. The handle 17 has the stud 18 with the pin 19 to enter the sockets 13 or 14 and engage the bayonet slots 15 or 16 selectively.

The hubs 7 and 10 have the interlocking serrated portions 20 and 21 to lock the blade 12 relative to the blade 5. Thus mounted upon their respective concentric pivots 2 and 9, the blades 5 and 12 are movable in the same horizontal plane to meet the lateral width of the sacrum of the patient.

This invention operates substantially as follows: With the patient in operative position on the blades 5 and 12, see Fig. 1, the handle 17 is swung right or left to rotate the supporting standard 1 to bring the blade 5 into comfortable position under the left buttock of the patient. The standard 1 is then locked in adjusted position by the locking means on the orthopedic apparatus, not shown, supporting the standard. The handle 17 is then shifted to the socket 14 and the blade 12 is lifted out of the serrate engagement 20-21 and swung to a comfortable position beneath the patient's right buttock and permitted to drop back into locking engagement at 20-21, to securely support the weight of the patient for the operative period. The handle 17 is removed after the blades 5 and 12 are locked together by the serrated portions 20, 21, which condition is maintained by the weight of the patient.

The removable perineal post 22 has a tapered end fitting snugly into the tapered socket 23 in the upper end of the standard 1.

The blades 5, 12 and the perineal post 22 may be formed of cellulose plastics which present less obstruction to the passage of X-rays.

The post operative procedure where the sacral region, including the blades 5 and 12, is incorporated into the plaster cast, is to remove the perineal post 22, then lift the patient so that the hub 7 clears the pivot 2. After this the blades can be manipulated relative to each other and easily withdrawn from the cast for cleansing and sterilization.

The present construction and arrangement of parts is designed for simplicity, non-interference with operative procedure, and to prevent dripping plaster from lodging in the pivotal and locking means.

The salient features of the present invention are a collapsible sacral rest capable of an increased sacral supporting area and ease of placement and removal of the sacral rest relative to the patient. The pivotal arrangement of the blades with respect to the supporting means

may be modified without departing from the spirit of the invention.

Having thus described this invention, what I claim and desire to secure by Letters Patent is:

- 5 1. An orthopedic apparatus including a perineal standard; a pair of sacral blades having radial movement with respect to said standard, and offset with respect to each other, whereby said blades move in the same horizontal plane.
- 10 2. An orthopedic apparatus including a perineal standard; a pair of sacral blades having hubs encircling said standard and pivoted about the axis thereof; and means for locking said standard and blades in relative position.

3. An orthopedic apparatus including a perineal standard; a pair of sacral blades having telescoping concentric hubs encircling said standard; and interlocking lugs on said hubs respectively.

4. An orthopedic apparatus including a standard; an offset sacral blade having a hub encircling and fixed to said standard; a second sacral blade having a hub encircling the said first mentioned hub and pivoted thereon; whereby said blades are movable relative to each other in the same plane about the axis of said standard. 10

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