

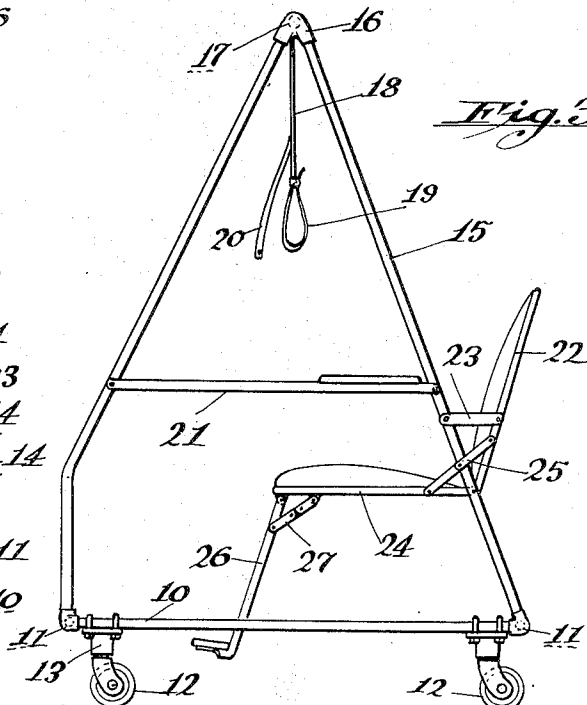
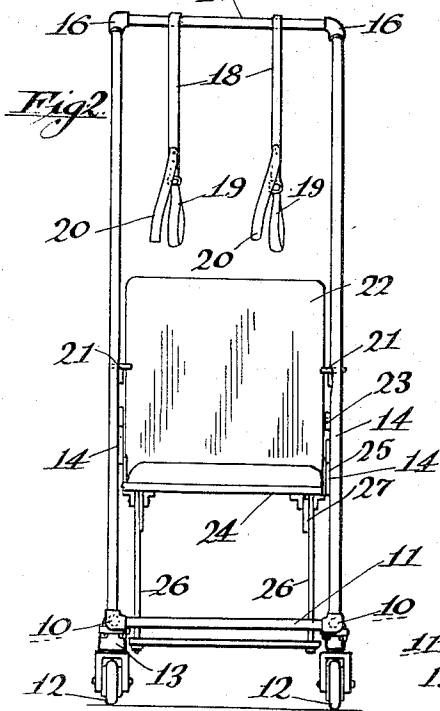
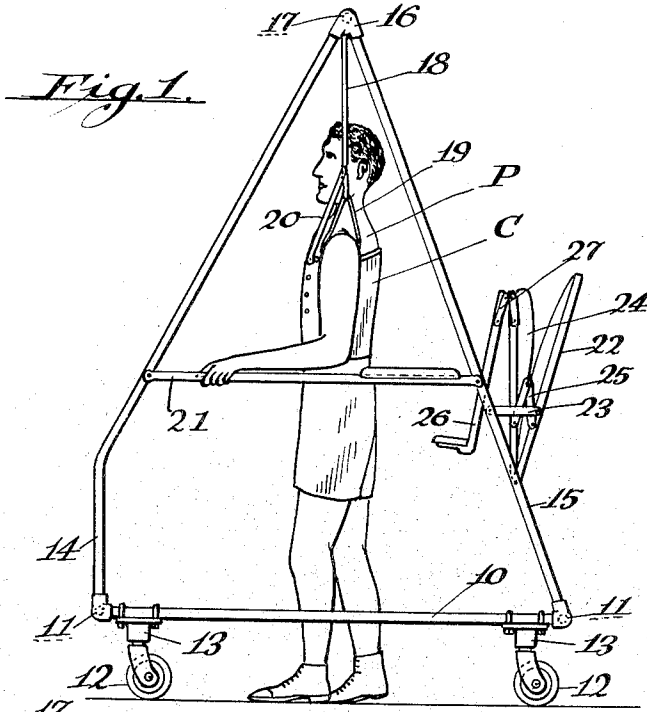
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1,611,807

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EXERCISING DEVICE

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UNITED STATES PATENT OFFICE.

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EXERCISING DEVICE.

Application filed January 5, 1926. Serial No. 79,336.

This invention relates to improvements in exercising devices and may be considered as an improvement over the construction disclosed in my pending application, Serial No. 757,630, filed Dec. 23, 1924.

An object of this invention is to provide an apparatus whereby invalids and persons who are weak and have spinal troubles may be supported in a walking position so that their weight will not be supported completely upon their lower limbs and at the same time permit them to walk and thus exercise themselves. Invalids and especially those persons who have spinal troubles frequently develop bed sores from resting in bed a considerable length of time, and a small amount of exercise will greatly assist in correcting this condition. However, in the case of patients afflicted with spinal troubles, it is very essential in many cases to relieve any pressure on the spine during the exercise.

Another object of this invention therefore is to provide a device which is of cheap, simple and durable construction, which will provide an efficient exercising apparatus for exercising bed ridden patients.

With the foregoing and other objects in view which will be made manifest in the following detailed description and specifically pointed out in the appended claims, reference is had to the accompanying drawings for an illustrative embodiment of the invention, wherein:

Figure 1 is a side elevation of the device illustrating the manner in which it is used,

Fig. 2 is a view in front elevation of the improved exercising device, and

Fig. 3 is a side elevation of the device illustrating the manner in which it may be employed.

Referring to the accompanying drawings wherein similar reference characters designate similar parts throughout, the improved exercising device consists of a base frame substantially rectangular in form consisting of two parallel side members 10 connected by front and rear cross members 11. This base frame is supported upon a plurality of ground or floor engaging wheels 12, which are preferably swiveled as at 13 to provide a type of caster wheel. These caster wheels are preferably mounted adjacent the corners of the base frame. A supporting frame is mounted on the base frame and consists of forward uprights 14 and rearward uprights

15. The forward and rear uprights on each side of the base frame have their upper ends connected as by suitable fittings 16. A crossbar 17 connects the fitting 16 and is arranged substantially vertically above the center of the base frame. Supporting members 18 are suspended from the crossbar 17 and in the present instance these supporting members are illustrated as being provided on their lower ends with slings 19 and securing straps 20. The slings 19 can be slipped over the arms of the patient P and will be sufficient to support him in a walking position between the uprights 14 and 15 and within the base frame.

In some instances, however, it is desirable to provide the patient with a corset C of flexible material and which is adapted to be drawn snugly around the trunk of the patient, preferably above the hips. It is especially desired in using such a corset that it have no portion which passes beneath the crotch of the patient, and thus it will not tend to create any vertical pressure on the spine. The attaching straps 20 can be used for connecting the supporting members 18 to the corset when employed. Obviously, either the slings 19 or the straps 20 can be used alone or they can be used in conjunction with each other. Hand rails 21 connect the forward and rearward uprights 14 and 15 on each side and enable the patient to guide the carriage and also assist him in gaining confidence in himself.

In use the patient is placed in the carriage and the supporting members 18 are adjusted so that they support most of the weight of the patient, but permit his feet to engage the floor. In this manner he may walk about and propel the carriage and effectively exercise himself without danger of falling over and becoming injured.

In case he becomes tired, it is very advantageous to provide a seat upon the carriage. Such a seat is illustrated as consisting of a back 22 having its lower end mounted between the rear uprights 15. It is maintained in an upwardly and rearwardly inclined position by a brace 23. A seat member 24 is hinged to the lower end of the back 22 and connected to the back by a collapsible brace 25. If desired, a foot piece 26 can be hinged to the forward end of the seat 24 and provided with a collapsible brace 27. From a comparison of Figs. 1 and 3, it will be readily appreciated that this seat

can be completely folded up or collapsed while the patient is walking about within the apparatus. If he becomes tired, the seat can be pulled down into the position shown in Fig. 3 and the patient may rest himself.

From the above described apparatus it will be readily appreciated that an improved exercising device is provided, which is especially desirable and advantageous in providing for the exercise of invalids.

It will be understood that various changes in the detail of construction may be made without departing from the spirit or scope of the invention as defined by the appended claims.

I claim:

1. An exercising device comprising a rectangular base frame, caster wheels supporting said base frame and mounted adjacent the corners thereof, uprights mounted adjacent the corners of said base frame and converging upwardly and inwardly therefrom, means connecting the upper ends of the uprights on each side, a crossbar connecting said means, supporting members suspended from said crossbar adapted to support a person above the waist in walking position between said uprights and within said base frame, and hand rails connecting the uprights on each side.

2. An exercising device comprising a rec-

tangular base frame, caster wheels supporting said base frame and mounted adjacent the corners thereof, uprights mounted adjacent the corners of said base frame and extending upwardly therefrom, means connecting the upper ends of the uprights on each side, a crossbar connecting said means, supporting members suspended from said crossbar adapted to support a person in walking position between said uprights and within said base frame, a back secured between the two rear uprights, and a seat hinged to the lower end of said back.

3. An exercising device comprising a rectangular base frame, caster wheels supporting said base frame and mounted adjacent the corners thereof, uprights mounted adjacent the corners of said base frame and extending upwardly therefrom, means connecting the upper ends of the uprights on each side, a crossbar connecting said means, supporting members suspended from said crossbar adapted to support a person in walking position between said uprights and within said base frame, a back secured between the two rear uprights, a seat hinged to the lower end of said back, and a foot piece hinged to the forward end of said seat.

In testimony whereof I have signed my name to this specification.

MARTHA BERGH.