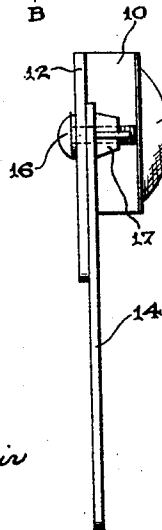
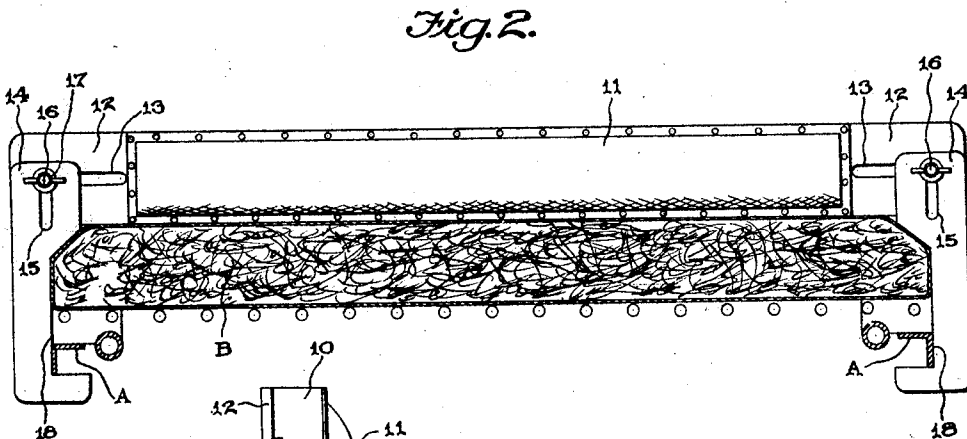
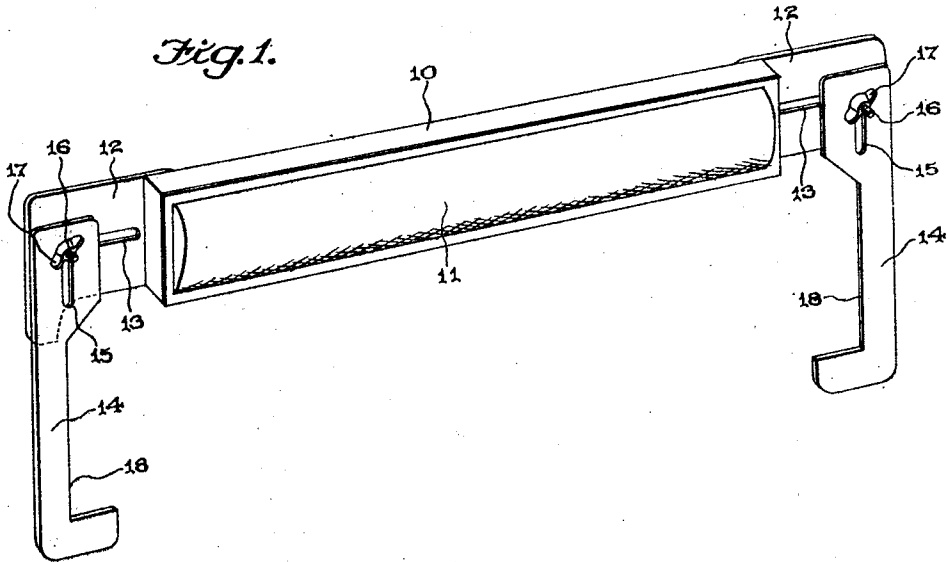


May 26, 1925.

1,539,082

A. M. FYLER
INVALID'S FOOT BRACE
Filed April 19, 1923



H. A. de Clair

WITNESS:

Annie M. Fyler
INVENTOR

BY Victor J. Evans
ATTORNEY

Patented May 26, 1925.

1,539,082

UNITED STATES PATENT OFFICE.

ANNIE M. FYLER, OF SAVANNAH, GEORGIA.

INVALID'S FOOT BRACE.

Application filed April 19, 1923. Serial No. 633,237.

To all whom it may concern:

Be it known that I, ANNIE M. FYLER, a citizen of the United States, residing at Savannah, in the county of Chatham and State of Georgia, have invented new and useful Improvements in Invalids' Foot Braces, of which the following is a specification.

This invention relates to attachments for beds and has for its object the provision of a novel brace device designed to be attached to a bed and to be engaged by the patient's feet whereby to prevent the patient from slipping toward the foot of the bed when propped up in a reclining or sitting position, the device operating to render the position more comfortable, the device further enabling a convalescent with use of the lower limbs to assist the nurse in changing position to a reclining or sitting posture, thus obviating frequent resort to manual effort on the part of the nurse or struggling on the part of the patient.

An important object is the provision of a device of this character which is fully adjustable whereby to be attached to beds of different sizes, the arrangement being furthermore such that the device may be quickly and easily shifted from one position to another along the length of the bed.

An additional object is the provision of a device of this character which will be simple and inexpensive in manufacture, easy to use, efficient and durable in service and a general improvement in the art.

With the above and other objects and advantages in view the invention consists in the details of construction to be hereinafter more fully described and claimed and illustrated in the accompanying drawings, in which:

Figure 1 is a perspective view of the device removed from a bed,

Figure 2 is a cross section through a bed showing the device applied, and

Figure 3 is an end view.

Referring more particularly to the drawings the letter A represents the side rails of a bed and B represents the mattress or other bedding thereon. In carrying out my invention I provide an elongated cross piece 10 which in actual practice would probably be formed as a board and preferably, though not necessarily, covered on one side with padding 11 so that it will be comfort-

able to the patient's feet. Bolted or otherwise secured upon the ends of this board or cross piece are brackets 12 formed with elongated slots 13 which extend longitudinally with respect to the board or cross piece. It is of course obvious that the member 10 might not be a board and that the brackets 12 need not be separate elements secured to the member 10 for the reason that if desired the members 10 and 12 might be formed integrally from sheet or other metal cut and bent to shape, cast or otherwise formed. I also provide other brackets 14 of angular shape and formed with slots 15 through which pass clamping bolts 16 passing through the slots 13 and equipped with wing nuts 17. The free ends of the brackets 14 are formed with extensions 18 directed toward each other as shown and adapted to be engaged beneath the side rails A of the bed.

In using the device, it is slid across the bed beneath the covers thereon while lying flat upon the bed. When the device has been moved along to the desired location, it is so swung that the padded side 11 will be disposed toward the patient with the bracket arms 14 extending downwardly. The clamping nuts 17 being loosened, the bracket arms 14 are adjusted so that the extensions 18 will engage beneath the bed rails, after which the nuts 17 are tightened to maintain the parts in adjusted position. Owing to the provision of the slots 13 it is apparent that the bracket arms 14 may be moved so as to be at varying distances apart which enables the device to be attached to beds of different widths. The slots 15 permit adjustment to accommodate mattresses and padding of different thicknesses so that the device may be properly secured in place under varying conditions.

When the device is in use, the patient's feet are engaged against the padded side and as long as pressure is applied the device will be incapable of movement. If, however, it is desired to change the location of the brace, this may be easily done by grasping the bracket arms 14, when there is no pressure against the cross piece, and sliding the device bodily along the bed to a new position.

From the foregoing description and a study of the drawings it will be apparent that I have thus provided a simply constructed and consequently inexpensive brace in the nature of a bed attachment which will

be highly beneficial in increasing the comfort of an invalid as the device enables such a person to make slight changes in the position of the body without requiring the assistance of a nurse or other attendant. Furthermore it is obvious that the patient cannot slip down toward the foot of the bed and will therefore recline or sit with a far greater degree of comfort than is possible under ordinary circumstances.

While I have shown and described the preferred embodiment of the invention it is to be distinctly understood that I reserve the right to make the device of any desired size and to employ any or all materials which may enhance the usefulness, and that the right is furthermore reserved to make all changes in the form, construction and arrangement of parts as will not depart from the spirit of the invention or the scope of the subjoined claim.

Having thus described my invention I claim:

An invalid's foot brace attachment for beds comprising an elongated padded support adapted to be disposed transversely upon the mattress of a bed in edgewise position thereon, brackets on the ends of said support formed with elongated slots extending longitudinally with respect to the support, depending arms engaged against said brackets and formed with slots arranged at right angles to said first named slots and adapted to register therewith, clamping bolts passing through the registering slots, and inward extensions on the lower ends of said arms adapted for engagement beneath the side rails of a bed, the first named slots permitting adjustment of the device for use upon beds of different widths and the second named slots permitting adjustment for use of the device upon mattresses of different thicknesses whereby the device may be held down snugly upon the mattress.

In testimony whereof I affix my signature.
ANNIE M. FYLER.