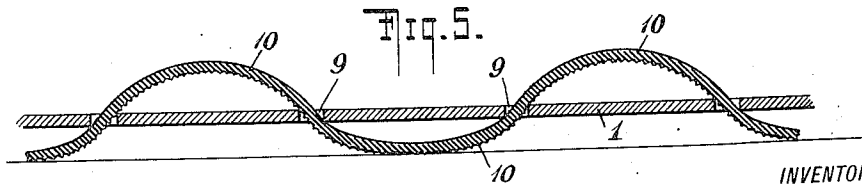
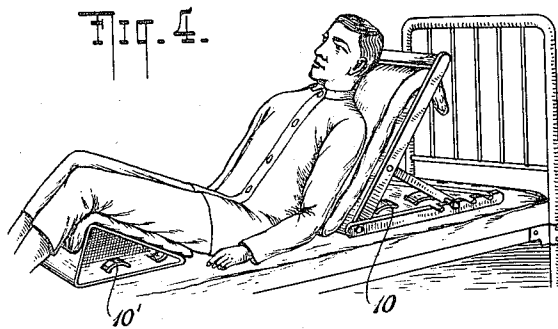
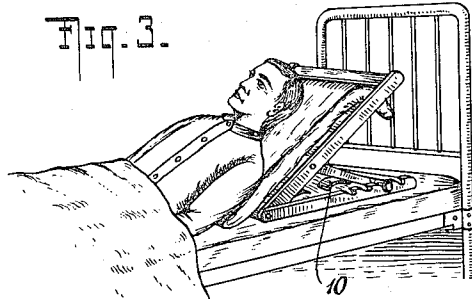
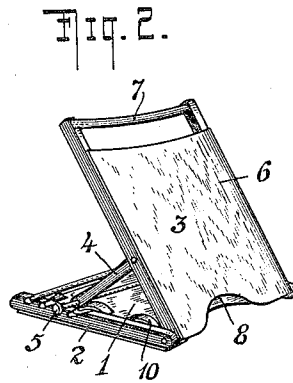
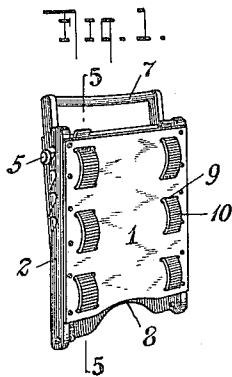


C. W. MEINECKE.
NON-SLIPPING BED REST FOR INVALIDS.
APPLICATION FILED JULY 23, 1914.

Patented Aug. 31, 1915.
2 SHEETS—SHEET 1.

1,151,894.



WITNESSES

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Chas. B. Wilkerson

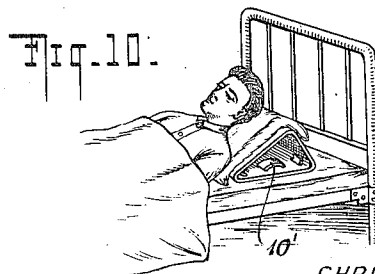
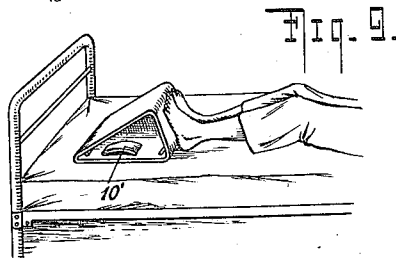
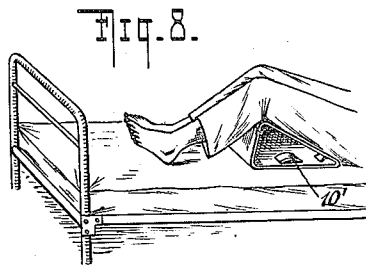
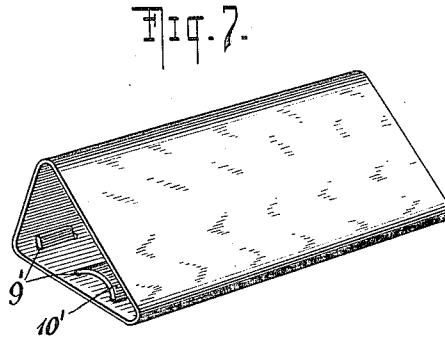
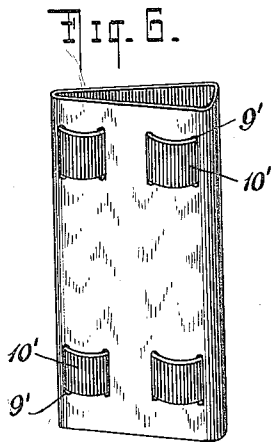
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WITNESSES

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UNITED STATES PATENT OFFICE.

CHRISTIAN W. MEINECKE, OF EAST ORANGE, NEW JERSEY, ASSIGNOR TO MEINECKE & COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

NON-SLIPPING BED-REST FOR INVALIDS.

1,151,894.

Specification of Letters Patent.

Patented Aug. 31, 1915.

Application filed July 23, 1914. Serial No. 852,536.

To all whom it may concern:

Be it known that I, CHRISTIAN W. MEINECKE, a citizen of the United States, residing at East Orange, Essex county, State of New Jersey, have invented a new and useful Improvement in Non-Slipping Bed-Rests for Invalids, of which the following is a specification.

My invention relates to bed rests for invalids and has for its principal object to provide such rests with means through which, when the rests are in use they tend to remain upon the bed in whatever position they may have been placed without slipping thereon and sliding away from the patient.

Among bed rests most commonly used are back rests, usually arranged so that they may be placed behind the patient so as to support the back at various angles; and knee and thigh supports which are generally placed under the legs at or near the knee. Knee and thigh supports may also be used, at the foot of the bed, as braces against which the feet may be rested, or, sometimes, as supports for the head or back.

Bed rests as just described are known in the art. They are usually made of wood, fiber, metal or some equivalent relatively rigid or stiff material. So far as I am aware, however, they all tend to slip upon the bed when pressed upon by the patient, unless fastened to the bed by some mechanical means such as, for example, connecting links for hooking over the head or foot of the bed, or cords or tapes for attaching to the rails or for pinning fast to the bed clothes.

The bed rests of my invention are provided with frictional elements which engage the bed clothing and prevent slip of the rests under the pressure of the patient. These frictional elements are preferably removable so that the rests and frictional elements may be readily and thoroughly cleaned which is a very essential requirement for medical and surgical appliances.

My invention will be better understood by referring to the drawings in which two forms of bed rests are shown with my invention applied thereto.

In these drawings, Figure 1 is a perspective view representing a preferred form of back rest in closed condition; Fig. 2 represents the rest in one of its open positions;

Fig. 3 represents the rest, as shown in Fig. 2,

but placed upon a bed behind a patient as in actual use; Fig. 4 is a view, similar to Fig. 3, but showing in addition one of my improved knee and thigh supports beneath the legs of the patient; Fig. 5 represents a greatly enlarged section along the line 5—5 of Fig. 1 showing the method of attaching the frictional or non-slipping element; Fig. 6 is a perspective view showing one of my improved knee and thigh supports standing on end; Fig. 7 is a similar view which shows the support of Fig. 6 on its side; Fig. 8 is a perspective view showing the knee and thigh support alone as arranged for supporting the knees of a patient; Fig. 9 shows the knee and thigh support arranged at the foot of the bed as a brace for the feet of the patient; Fig. 10 represents the knee and thigh support when used as a head rest.

Referring to the drawings my improved back rest comprises a base, 1, preferably a flat plate of wood or fiber, having side bars, 2, and a back piece 3 pivotally attached, at its lower end, to the ends of the side bars, and provided with links, 4, having a cross bar, 5, adapted to drop into notches of the rails 2 so as to place the back piece at any one of several angles.

The back piece, 3, is provided with a supporting plate, 6, having a transverse curvature conforming to that of the body and a transverse rail 7 spaced above the plate a sufficient distance to permit the end of a pillow to be thrust therethrough as shown in Figs. 3 and 4, for example. The pillow is thereby prevented from slipping down and away from the back piece. The lower end of plate 6 is cut away as at 8 so as to prevent said plate from pressing upon the base of the spine.

The plate of base, 1, is provided on each side with a group of short transverse slots 9 in and out of which is laced a strip of soft rubber 10. This rubber strip is preferably corrugated on the side which will be against the bed clothes when the back rest is in use. This rubber strip constitutes the frictional element previously referred to.

In using the back rest of my invention the several portions of each rubber strip which lie on the under side of base 1 will be flattened out against the bed clothing and will engage the same so as to be frictionally held thereby. The transverse corrugations will assist this frictional grip.

Should the back rest become soiled in use or, when used in contagious or infectious diseases, should it become desirable to cleanse the same, the rubber strips may be instantly slipped out of slots 9 and both strips and back rest proper be sterilized in any preferred manner and then the strips replaced. Should the rubber of the strips eventually become hard or worn out new and fresh strips can be inserted very quickly and cheaply.

The back rest is so made that if a pillow end is thrust through the opening between bar 7 and back piece 3 the pillow will be securely held and prevented from slipping either because of its own weight or of the pressure due to the patient. The cut away portions at 8 will prevent any undue pressure being experienced by the patient at the base of the spine.

The knee and thigh support is made non-slipping in the same manner as has been described for the back rest, *i. e.*, the bottom of said support, on each side, is provided with a group of transverse slots 9' in and out of which are threaded the corrugated rubber strips 10'; in consequence thereof, when the support is used as shown in Figs. 8-10 as for example the rubber strips will engage the bed clothing and prevent slip of the support. The rubber strip, instead of being laced in and out as described, may be attached to the support in any other desired and preferred manner.

I do not confine myself to non-slipping means made of rubber, but may instead, if I prefer, use any other material which will

frictionally engage the bed clothing without injury thereof.

Having described my invention I claim: 40

1. A bed rest having a base provided with slots and strips of non-slipping material held by said slots.

2. A bed rest having a base provided with a group of parallel slots on each side thereof and a strip of non-slipping material laced in and out of each group of slots and held thereby. 45

3. A bed rest having a base provided with a group of parallel slots on each side thereof and a strip of corrugated non-slipping material laced in and out of each group of slots and held thereby. 50

4. A bed rest having a series of openings and a length of non-slipping material laced in and out of said openings and held thereby. 55

5. In a bed rest, the combination of a base having a pair of openings and a length of resilient non-slipping material, the ends of said material being passed through said openings so that the latter coöperate to hold the length in place. 60

6. In a bed rest, the combination of a base having a plurality of openings and bent loops of resilient material having their ends engaging pairs of said openings. 65

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

CHRISTIAN W. MEINECKE.

Witnesses:

ELMER G. WILLYOUNG,
FRITZ ZIEGLER, Jr.