April 3, 1956 M. FOX 2,740,133

DETACHABLE FOOTBOARD FOR A BED

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FIG. 1

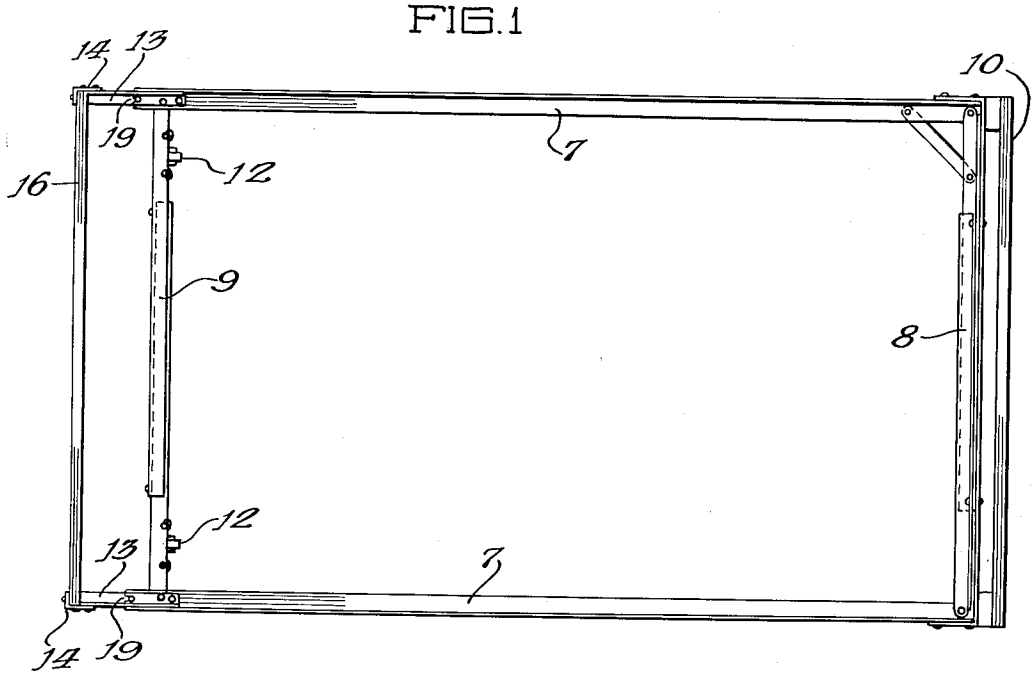
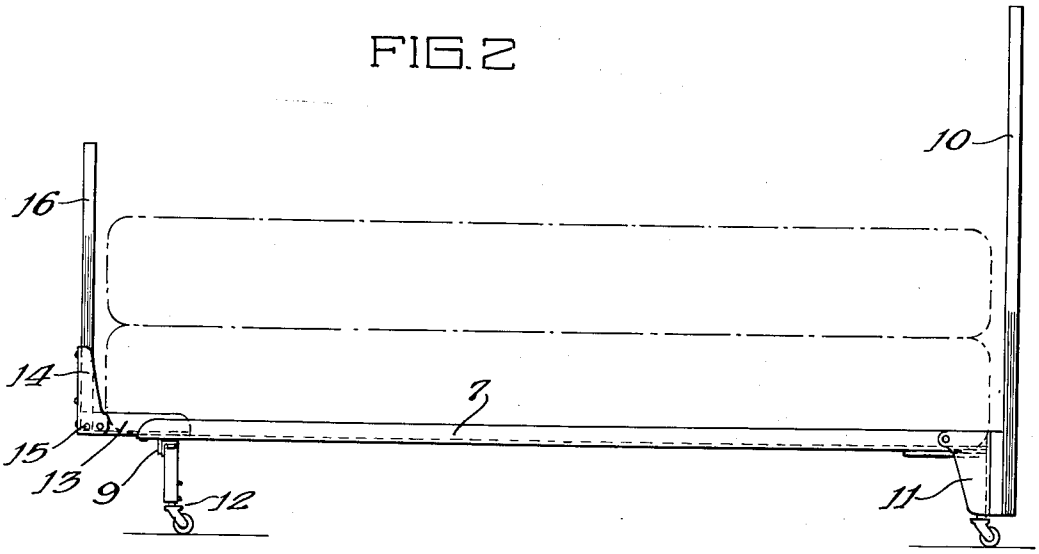


FIG. 2



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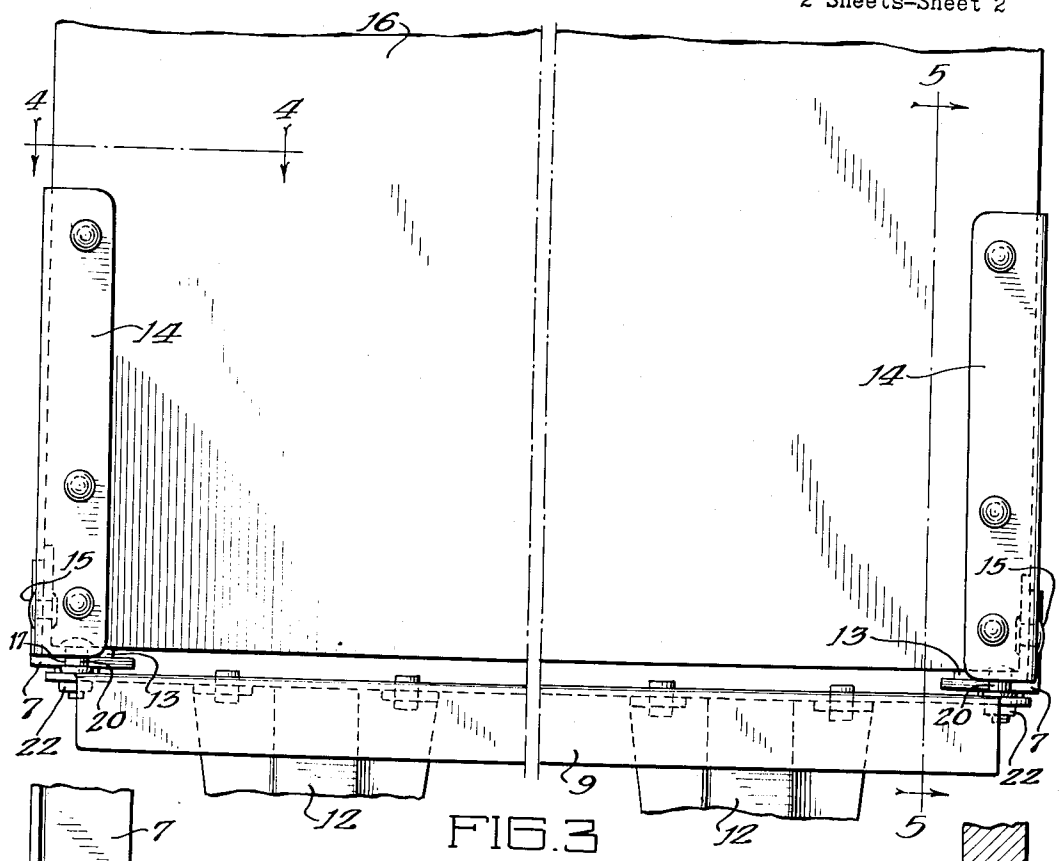


FIG. 3

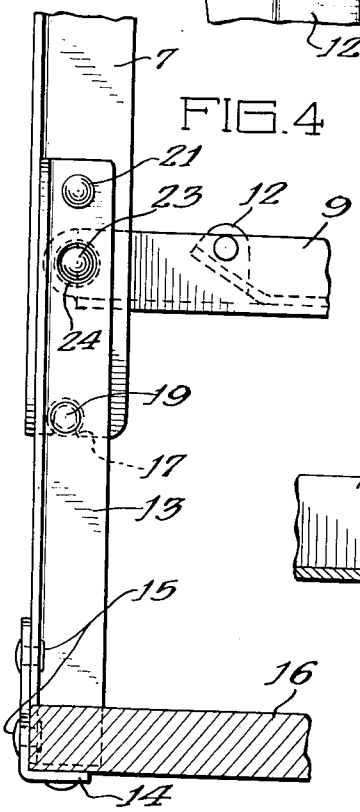


FIG. 4

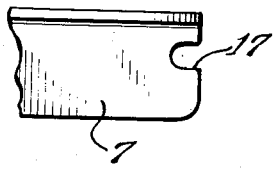


FIG. 6

FIG. 5

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United States Patent Office

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DETACHABLE FOOTBOARD FOR A BED

Martin Fox, Chicago, Ill., assignor to The Seng Company, a corporation of Illinois

Application March 1, 1951, Serial No. 213,326

1 Claim. (Cl. 5—53)

This invention relates to detachable footboards for beds, and more particularly to brackets by means of which a detachable footboard which may be secured to the end of a metal bed frame when desired.

The primary object of the invention is to provide metal extension brackets made of angle iron, to which a footboard may be permanently secured, and the brackets have special connecting means whereby the attachments may be attached securely and quickly by a single bolt for each bracket.

The bed frame may be of the type shown in my Patent No. 2,523,988, issued September 26, 1950, which is adapted to fit various sizes of box springs and mattresses, and due to the fact that the channels of the bed frame are open at their foot ends an extra length box spring may be used. Some housewives prefer to have a footboard on a bed, and others like to use a footboard part of the time and remove it at other times. The present invention enables a footboard to be attached, and will permit an extra length box spring to be used. It may be removed any time by merely taking out one bolt on each side of the frame. When the attachment is installed the connection is so secure that the bed may be moved around as desired by grasping the footboard.

The invention is illustrated in a preferred embodiment in the accompanying drawings, in which—

Figure 1 is a plan view of an adjustable bed frame with the detachable footboard secured in position; Fig. 2 is an elevational view of the same, and illustrates by dotted lines how an extra length box spring and mattress may be used; Fig. 3 is a fragmentary elevational view of the footboard attached to the bedframe; Fig. 4, a fragmentary plan sectional view, taken as indicated at line 4—4 of Fig. 3; Fig. 5, a fragmentary vertical sectional view, taken as indicated at line 5—5 of Fig. 3; and Fig. 6, an enlarged fragmentary plan view of the end of one of the bed frame angle irons.

In the embodiment illustrated, a bed frame has a pair of longitudinally extending angle irons **7** having outer arms etxending upwardly to form a channel to receive a box spring. They are connected by adjustable angle irons **8** at their head ends and adjustable angle irons **9** at their foot ends. A headboard **10** may be secured to the head end of the frame. The bed has head legs and casters **11**, and the foot portion is supported on legs and casters **12** which are secured to the foot angle irons **9**.

The footboard attachment comprises a pair of short angle iron extension brackets **13** which are equipped at

their outer ends with standards **14** made of angle iron. The lower portion of the standard is riveted to the outer side of the upwardly extending leg of the bracket **13**, as indicated at **15**. A suitable footboard **16** is shown bolted to the inner side of the standard **14**, but it may be bolted to the outer side, if preferred. If bolted to the outer side, it may extend down close to the floor like the headboard **10**.

As best shown in Figs. 5 and 6, the horizontal arm of the angle iron **7** is provided with an open-end slot **17** and a bolt receiving hole **18**. The horizontal arm of the bracket **13** is provided with a rigidly secured pin **19** having a headed neck **20** adapted to fit into the slot **17**. It also has a hole to receive a bolt **21** extending through the hole **18** and secured by a nut **22**. In the construction shown, a bolt head **23**, which secures the angle iron **9** to the angle iron **7**, extends above the horizontal arm of the angle iron **7**, and a hole **24** is provided in the bracket **13**, so that it may fit snugly over the bolt head **23**.

To attach the footboard to a bed frame, it is merely necessary to push the pins **19** into the slots **17**, install the bolts **21** and tighten the nuts **22**. This will form a very rigid connection and the brackets provide ample space to receive an extra length box spring and mattress.

The foregoing detailed description is given for clearness of understanding only, and no unnecessary limitations should be understood therefrom, for some modifications will be obvious to those skilled in the art.

I claim:

An L-shaped attaching bracket for detachably securing one side of a footboard to a side rail of a bed frame the side rails of which are open-end angle irons with their outer arms extending upwardly, and which has a foot cross member and means securing said member to the undersides of said side rails, comprising: a footboard receiving arm to which one side of a footboard may be bolted; and a short extension arm which is an angle iron adapted to fit into the open end portion of a bed frame angle iron, said extension arm being adapted to make a pin and open-end slot connection with a bed frame angle iron and being apertured to receive a bolt which is independent of the means for securing the foot cross member to the side rail, for rigidly securing said bracket to said bed frame angle iron.

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