Dec. 21, 1954 B. M. CHRISTENSON 2,697,233

BED STRUCTURE, INCLUDING REMOVABLE LEG AND HEADBOARD

Filed Jan. 25, 1949

2 Sheets-Sheet 1

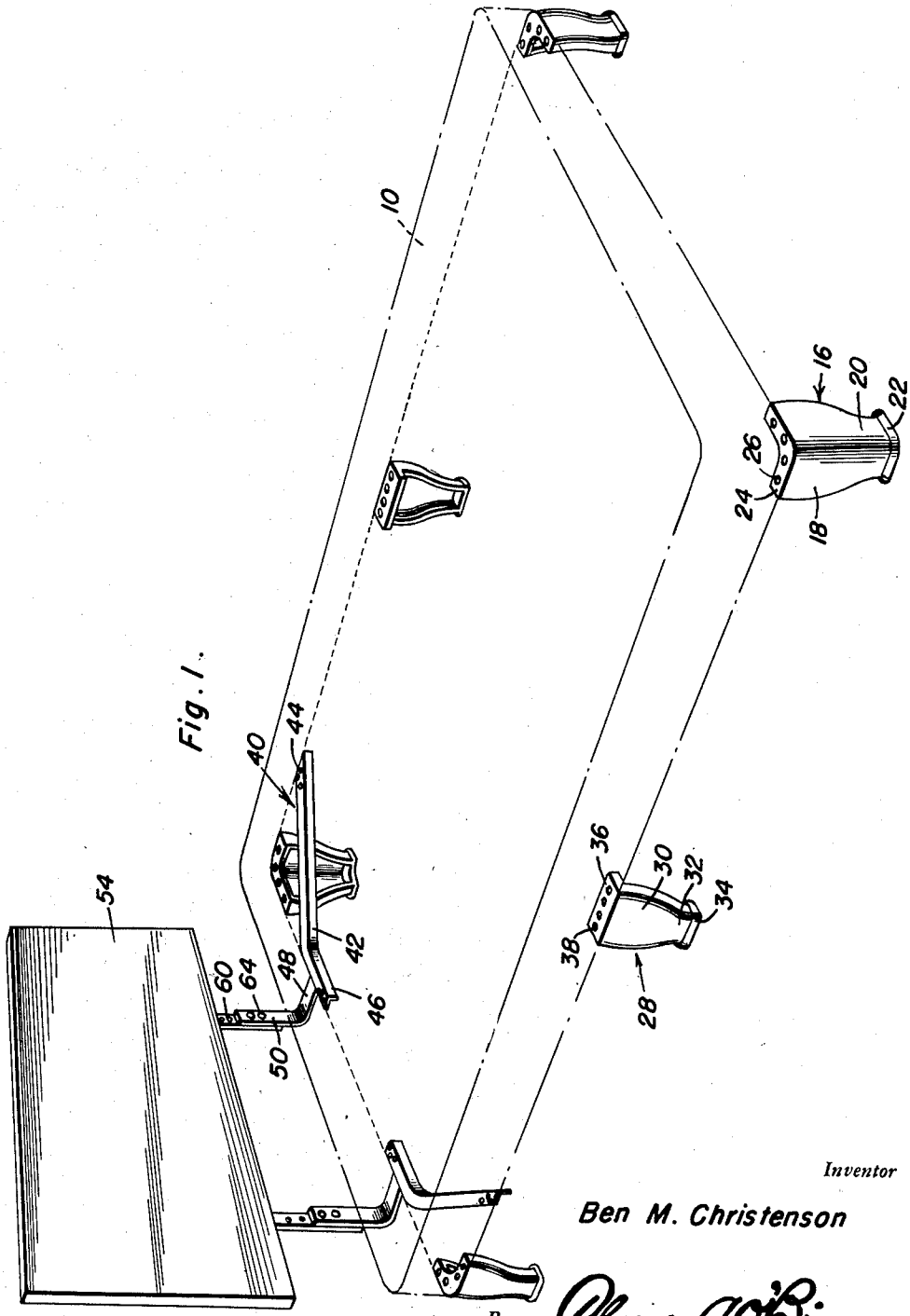


Fig. 1.

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2 Sheets-Sheet 2

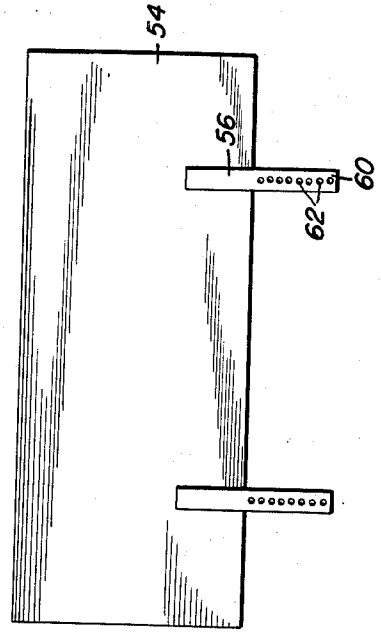


Fig. 3.

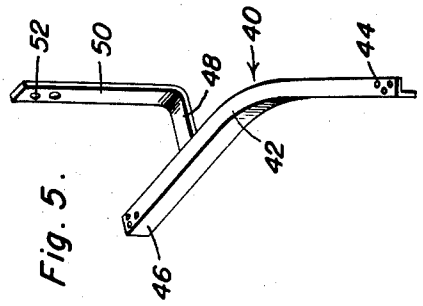


Fig. 5.

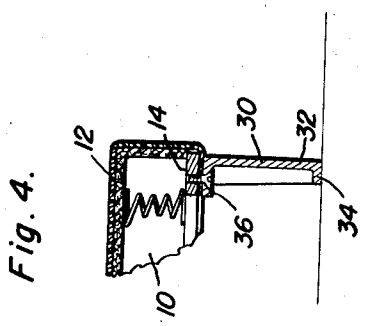


Fig. 4.

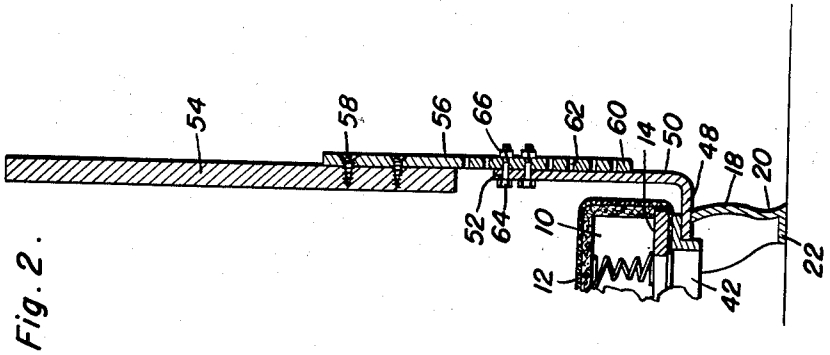


Fig. 2.

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2,697,233

BED STRUCTURE, INCLUDING REMOVABLE LEGS AND HEADBOARD

Ben M. Christenson, Pasadena, Calif.

Application January 25, 1949, Serial No. 72,646

4 Claims. (Cl. 5—131)

This invention relates to new and useful improvements in bed constructions and the primary object of the present invention is to provide a bed having removable supporting legs and a vertically adjustable head board.

Another important object of the present invention is to provide an attachment for bed springs including novel and improved supporting legs that are quickly and readily applied to or removed from a bed spring in a convenient manner.

Another feature of the present invention is to provide an attachment for box springs that is extremely light in weight to permit the box springs on which the same is secured to be conveniently carried or moved.

Another feature of the present invention is to provide an article of the aforementioned character including supporting legs having rounded or smoothly contoured edges that provide a glider and will protect rugs, floors or persons contacted by the said legs.

A further object of the present invention is the provision of a bed assembly that is extremely neat and attractive in appearance.

A still further aim of the present invention is to provide an attachment for box springs that is simple and practical in construction, strong and reliable in use, relatively inexpensive to manufacture, and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a perspective view showing the present invention applied to a box spring (shown in dotted lines);

Figure 2 is a vertical sectional view showing the manner in which the head board is secured to the box spring;

Figure 3 is a front elevational view of the head board used in conjunction with the present invention;

Figure 4 is a fragmentary vertical sectional view showing the manner in which the auxiliary legs are anchored to the box spring; and,

Figure 5 is a perspective view of one of the base members or fixed supports for the head board.

Referring now to the drawings in detail, wherein for the purpose of illustration, there is disclosed a preferred embodiment of the present invention, the numeral **10** represents a box spring, substantially rectangular in configuration, and having the usual covering **12** and lower substantially rectangular frame construction **14**.

Removably secured to the corners of the frame construction **14** are corner legs that are designated generally by the numeral **16**. These corner legs include concavo-convex, preferably aluminum plates **18** having tapered lower portions **20**. The lower ends of the legs **16** are turned inwardly to provide flat bearing flanges **22** or gliders and the upper portions of the legs **16** are integrally formed with flat and arcuate anchoring flanges **24** having spaced, fastener receiving apertures **26** permitting screws or the like to be employed for securing the flanges **24** to the corners of the frame **14**.

To further aid in the supporting of the box spring **10**, there is provided a plurality of auxiliary legs **28** that are also constructed of preferably aluminum material. These auxiliary legs **28** include channel members **30** having tapered lower ends **32** that are integrally formed with lower bearing flanges **34**. The upper portions of the channel members **30** are integrally formed with anchoring flanges **36** having apertures **38** that receive suitable fasteners for securing the auxiliary legs to the

sides of the frame **14** and intermediate the ends of the box spring **10**.

Although two of the auxiliary legs are sufficient, in conjunction with the corner legs **16**, to support the box frame, a mattress and persons thereon, any suitable number could be utilized without departing from the spirit of the present construction, if such is found necessary or desirable.

The numeral **40** represents the base members or anchor members that are used in conjunction with the present invention generally and which include angle iron members **42** that are bent at their centers to assume arcuate shapes that extend between the corners of the box spring **10** and the head end thereof. The base members **40** are provided with any suitable number of openings or apertures **44** at their ends that receive fasteners whereby the same are secured to the head and sides of the frame **14**.

Mounted or otherwise rigidly secured to the portions **46** of the members **40** that are secured to the head end part of the frame **10**, are angle members or brackets **48** having upstanding legs **50**. Any suitable number of openings **52** are provided in the legs **50** for a purpose which will later be more fully described.

The numeral **54** represents a head board of any suitable shape having a plurality of depending straps **56** secured to each rear face by fasteners or the like **58**. The free end portions **60** of the straps **56** are provided with a plurality of longitudinally spaced apertures **62** that selectively register with openings **52** in the legs **50**, providing for adjusting the height of head boards.

Bolts **64** are inserted through opposed openings in the straps **56** and the legs **50** and receivably engage nuts **66** for retaining the head board secure to the legs **50**.

It is noted that the base member **40**, head board **54** and straps **56** are constructed of light weight metal, such as aluminum, to reduce the overall weight of the completely assembled bed and thereby permit the same to be conveniently moved.

The legs **16**, **28** and head board **58** are finished like hard grained wood, any color, by paint, shellac or any other such coloring, to match or contrast with the remainder of the furniture associated with the instant bed construction.

In view of the foregoing description taken in conjunction with the accompanying drawings it is believed that a clear understanding of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claims.

Having described the invention, what is claimed as new is:

1. In a bed structure, a box spring having corners at the head end thereof, legs fixed to and supporting said corners, a pair of bars fixed to the bottom of the box spring and extending diagonally of said corners between said legs, angle brackets fixed to said bars and having upstanding ends behind said head end between said legs, and a head board having means thereon attached to said upstanding ends.

2. In a bed structure, a box spring having corners at the head end thereof, a pair of bars fixed to the bottom of the box spring and extending diagonally of said corners, angle brackets fixed to said bars and having upstanding ends behind said head end, and a head board having means thereon attached to said upstanding ends.

3. A head board structure for a box spring of the type having corners at the head end thereof comprising a pair of bars attachable to the bottom of the box spring at said head end diagonally of said corners, angle brackets fixed to said bars and having upstanding portions adapted to be disposed behind said head end, and a head board having means thereon attached to said upstanding ends.

4. A head board structure according to claim 3, said means comprising straps depending from said head board and bolted to said upstanding ends.

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