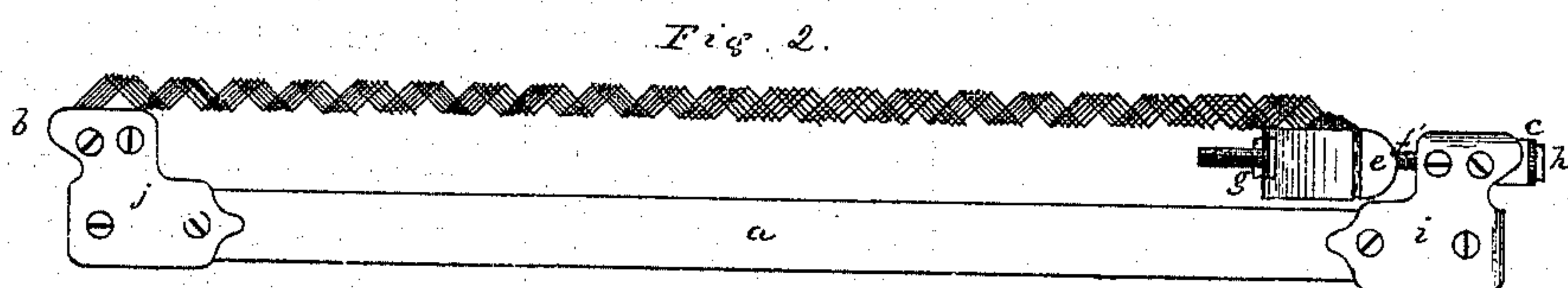
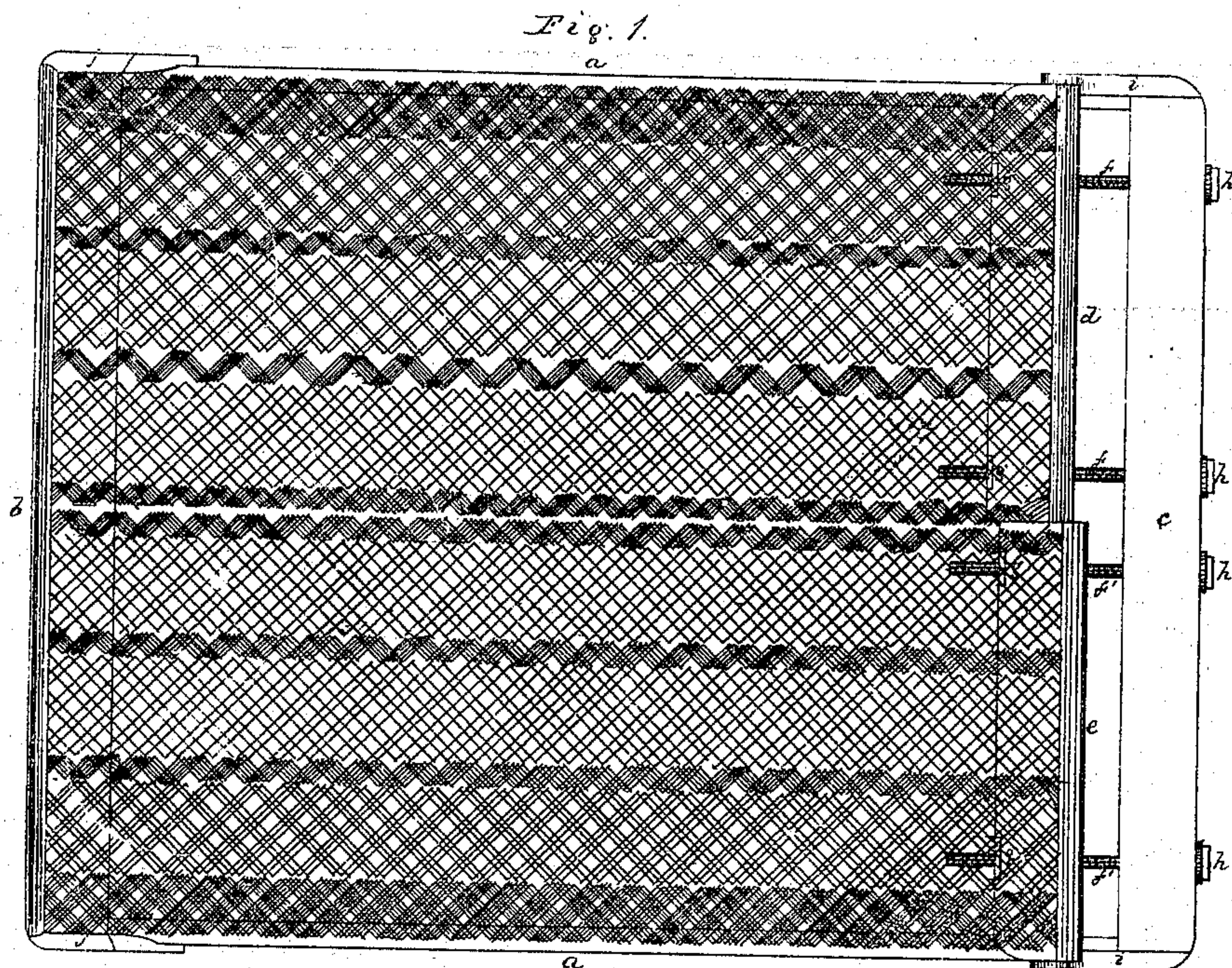


G. C. PERKINS.

Improvement in Frames for Wire-Mattresses.

No. 128,652.

Patented July 2, 1872.



Witnesses.

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Inventor

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UNITED STATES PATENT OFFICE.

GEORGE C. PERKINS, OF HARTFORD, CONNECTICUT.

IMPROVEMENT IN FRAMES FOR WIRE MATTRESSES.

Specification forming part of Letters Patent No. 128,652, dated July 2, 1872.

SPECIFICATION.

To all whom it may concern:

Be it known that I, GEORGE C. PERKINS, of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Frames for Wire Mattresses; and I do hereby declare that the following is a full, clear, and exact description thereof, whereby a person skilled in the art can make and use the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

Like letters in the figures indicate the same parts.

My invention consists in an improved mechanism for stretching the wire fabric of which the bed-bottom is composed, so that it can be made tighter or looser to suit different persons, and so that the same bed can be strained to different tensions upon each side to suit persons of different weights; and in the manner of rounding the corners of the frame so that the foot of the frame can fit more perfectly to the foot of the bedstead as usually made with interior rounded corners.

In the accompanying drawing, Figure 1 represents a top view of a wire mattress with my improved frame. Fig. 2 represents a side view of the same.

a a are the side pieces of the frame. *b* is the head piece. *c* is the foot piece. These head and foot pieces or bars are connected at the corners to the side pieces *a a* by the corner castings *i i* and *j j*, which are firmly screwed to them, forming a rigid outside frame. *d* and *e* are movable bars, connected with the foot piece *c* by means of the screw-bolts *f f f'*, which have a head and washer, *h*, on the outside of the bar *c*, and work in nuts *g* let into the bars *d* and *e*, so that when the screws are turned, they alter the space between *c* and *d* and *c* and *e*. The web or wire fabric is attached to the head piece *b* and to the bars *d* and *e*. It can be made in one piece or sheet, as usual, or it can be made in two, as shown in the drawing.

By removing the wire fabric from the usual place of fastening on the outside of the foot bar *c* I am enabled to make the corners round,

as described, and thereby gain additional space for the foot bar *c* in bedsteads of the ordinary construction.

The operation of my invention is as follows: After a bed is set up ready for use, if it is found that the whole or either side is too slack or too tight, by applying a wrench to the heads *h* the screws can be turned to bring it to the exact tension desired.

By means of my invention one side of the bed can be made more yielding than the other to suit persons of different weights, or of different tastes regarding the rigidity of the springs of which the wire mattress is composed. This is done by tightening the screws upon one side, as *f' f'*, more than those upon the other, as *f f*.

By means of my invention a wire mattress can be taken apart and packed in a small space for removal or storing. The wire fabric can be slacked by turning the screws *f* and *f'*. These can be then taken out and the fabric rolled up on the bars *d* and *e*. The frame can then be taken apart by removing the screws holding the side bars *a*, and the whole packed in a small compass. This cannot be done with wire mattresses as usually made, the fabric being stretched over the frame and permanently fixed to it.

To put my improved frame together the reverse of the before-described operation is gone through with, when the bed is again ready for use with the tension as perfect as before.

I do not limit the application of my invention to the foot of the mattress, as shown in the drawing; but it may likewise be applied to the head end, if desired.

Claim.

What I claim as my invention is—

The combination of the extending devices *c d e f* with a round-cornered frame, when the whole is constructed and arranged substantially as herein described.

GEORGE C. PERKINS.

Witnesses:

THEO. G. ELLIS,
BEN. A. COOKE.