To all whom it may concern:

Be it known that I, JAMES H. DYETT, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented a new and useful Bed-Bottom-Supporting Frame, of which the following is a specification.

My invention relates to an appliance for the supporting of bed-bottoms, more particularly those bed-bottoms wherein the fabric commonly known as "woven wire" is employed as a mattress. Such mattresses as commonly employed have a tendency to sag under a superimposed weight, with consequent discomfort to a person reclining upon them. My invention overcomes this objection and also permits of the use of a woven wire mattress formed of lighter wire, with a resulting economy of material. I attain these objects in the manner illustrated in the accompanying drawing, in which the figure is a plan view of my invention, in which—

A and A' represent side pieces of the bed-bottom, and B and B' represent the cross-pieces at the ends. The pieces 1 2 3 4 5 6 are arranged substantially in the form shown in the drawing and are formed of strips of material having stiffness and elasticity and presenting a broad bearing-surface against the mattress to be supported, such as band-iron. The pieces 7 and 8 are formed of similar material. The rod 9 is attached in any convenient manner to the inner extremities of the pieces 1 and 4, and the rod 10 is similarly attached to the inner extremities of the pieces 7 and 8. The rods 9 and 10 are tension members, preferably formed of heavy copper wire. The rods 9 and 10 are run through the meshes of the wire mattress to be supported, and thus a close connection is maintained between the wire mattress and my supporting device. This I consider the best method of securing such connection, although, as is obvious, other means may be employed, such as hooks, &c.

The helical springs 11, 12, 13, and 14, attached to the outer extremities of 1, 3, 4, and 7, respectively, as shown in the drawing, afford the proper amount of adjustability of the bed-bottom required for comfort.

Connection between my supporting device and the sides A A' and ends B B' of the bed-bottom frame may be secured by means of the hooks 15 16 17 18 or in any other suitable manner.

I have described my invention in what I consider to be its most perfect form; but, as is obvious, certain changes and modifications can be introduced without departing from the spirit of my invention—as, for instance, one or more of the springs 11, 12, 13, and 14 might be dispensed with.

The method of using my invention is as follows: The mattress to be supported is placed over my support and secured at its edges to the sides A A' and ends B B', and the tension-rods 9 and 10 are secured to the mattress either by running the same through the meshes of the woven-wire mattress, which is the preferable method, or by means of hooks or other suitable means.

What I claim is—

In a bed-bottom-supporting frame the combination with the sides and end pieces of the bearing-pieces 1, 2, 3, 4, 5, 6, 7, and 8, the tension members 9 and 10, the springs 11, 12, 13 and 14 and means of connecting said springs with the sides and end pieces, substantially as shown and for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JAMES H. DYETT.

Witnesses:

GERALD B. FLUEHRE,

ERNEST L. FRISBEE.