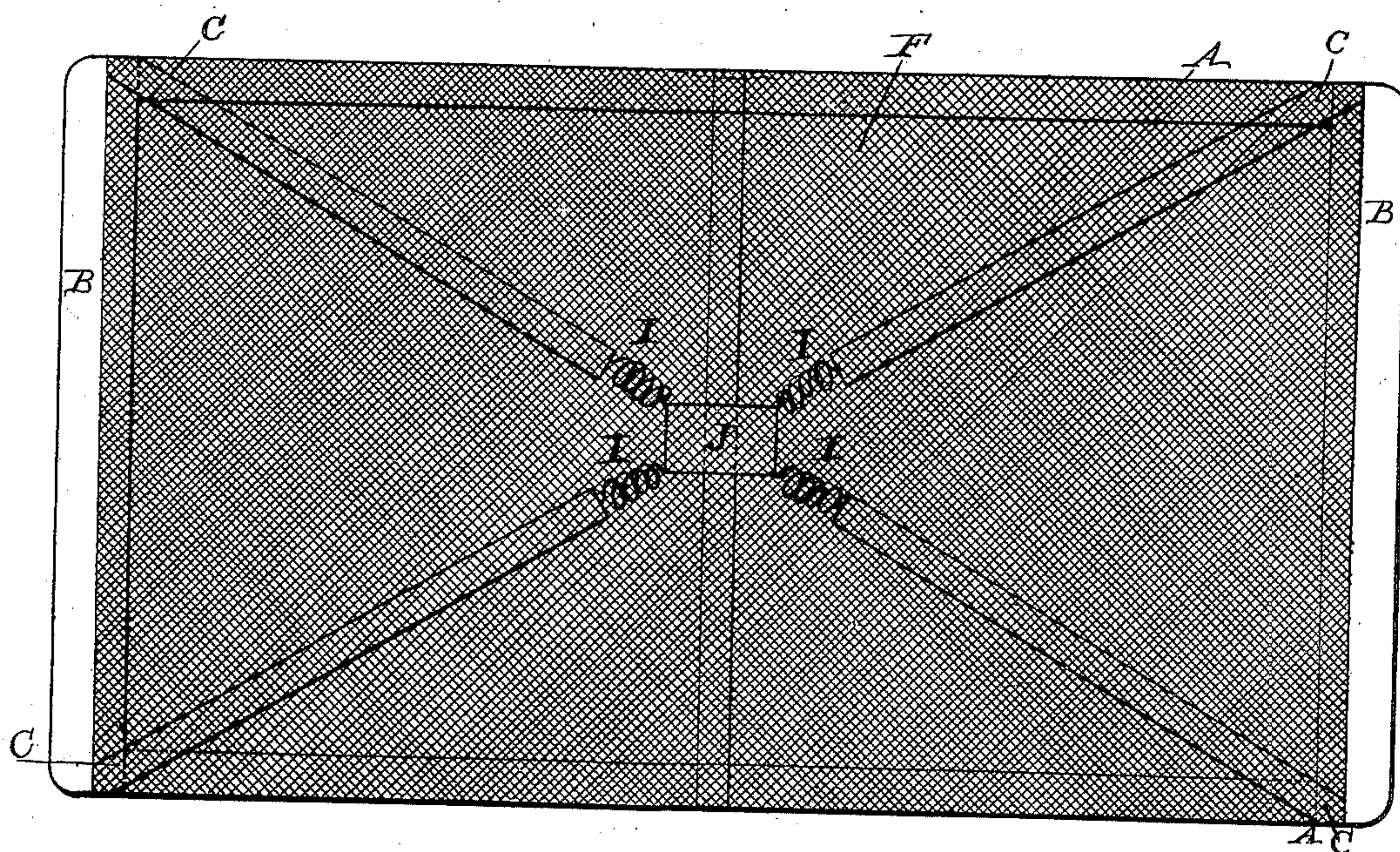


(No Model.)

J. B. RYAN.
WIRE MATTRESS BED BOTTOM.

No. 411,302.

Patented Sept. 17, 1889.



Witnesses:
H. A. Smith
C. M. Stone

Inventor:
James B. Ryan
By G. L. Chapin
Attorney

UNITED STATES PATENT OFFICE.

JAMES B. RYAN, OF NEW YORK, N. Y.

WIRE-MATTRESS BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 411,302, dated September 17, 1889.

Application filed August 13, 1888. Serial No. 282,664. (No model.)

To all whom it may concern:

Be it known that I, JAMES B. RYAN, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented new and useful Improvements in Wire-Mattress Bed-Bottoms, of which the following is a specification, reference being had to the accompanying drawing, illustrating the invention, in which the figure is a top view of wire-mattress bed-bottom in which my invention is embodied.

The purpose of this invention is by simple means better to support wire-mattress bed-bottoms. I accomplish this by means of metal straps attached to the corners of the mattress-frame and extending diagonally inward and connected with a rectangular thin metal plate by means of coil-springs at the four angles of said plate, so that the said straps and rectangular plate shall sustain a portion of the weight on the mattress and the plate cover an area which is most liable to sag.

A represents the side rails, B the end rails, and F the woven-wire fabric, of an ordinary woven-wire-mattress bed-bottom.

C C C C represent strap metal braces, which respectively are attached to the corners of the mattress-frame at their outer

ends, and at their inner ends are attached to the corners of a rectangular plate J by means of coil-springs I I I I, whereby, when weight is placed on the woven wire, the straps C and plate J will support a portion thereof, and at the same time yield with the mattress. The plate J may have any desired area, and for double beds the plate should have a greater area as compared with the size of the mattresses of single beds. This construction differs materially from other supports for wire mattresses in that the diagonal metal straps draw equally from the corners of the frame and connect with a central plate, which supports the woven wire where it is most likely to sag.

I claim as new and desire to secure by Letters Patent—

In woven-wire bed-bottoms, the combination of the rectangular central metal plate J, the metal straps C, attached to the bed-frame at their outer ends and connected with the plate J by coil-springs, and the wire mattress lying on top of the plate and straps, as and for the purpose specified.

JAMES B. RYAN.

Witnesses:

SAML. S. EVERITT,
SYLVESTER POPE.