H. T. SMITH.

Improvement in Bed Bottoms.

No. 123,520. Patented Feb. 6, 1872.

Fig. 1.

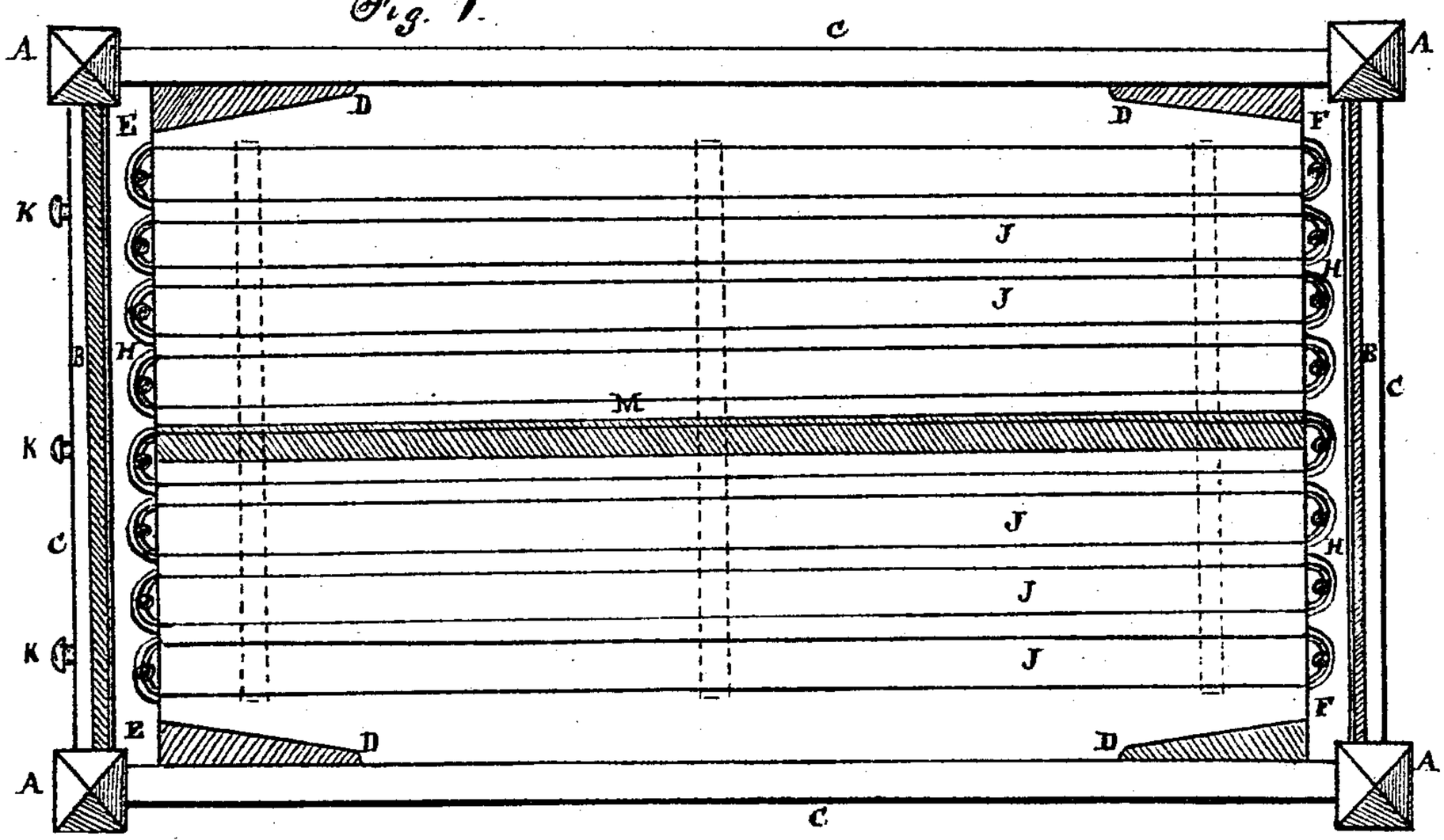


Fig. 2.

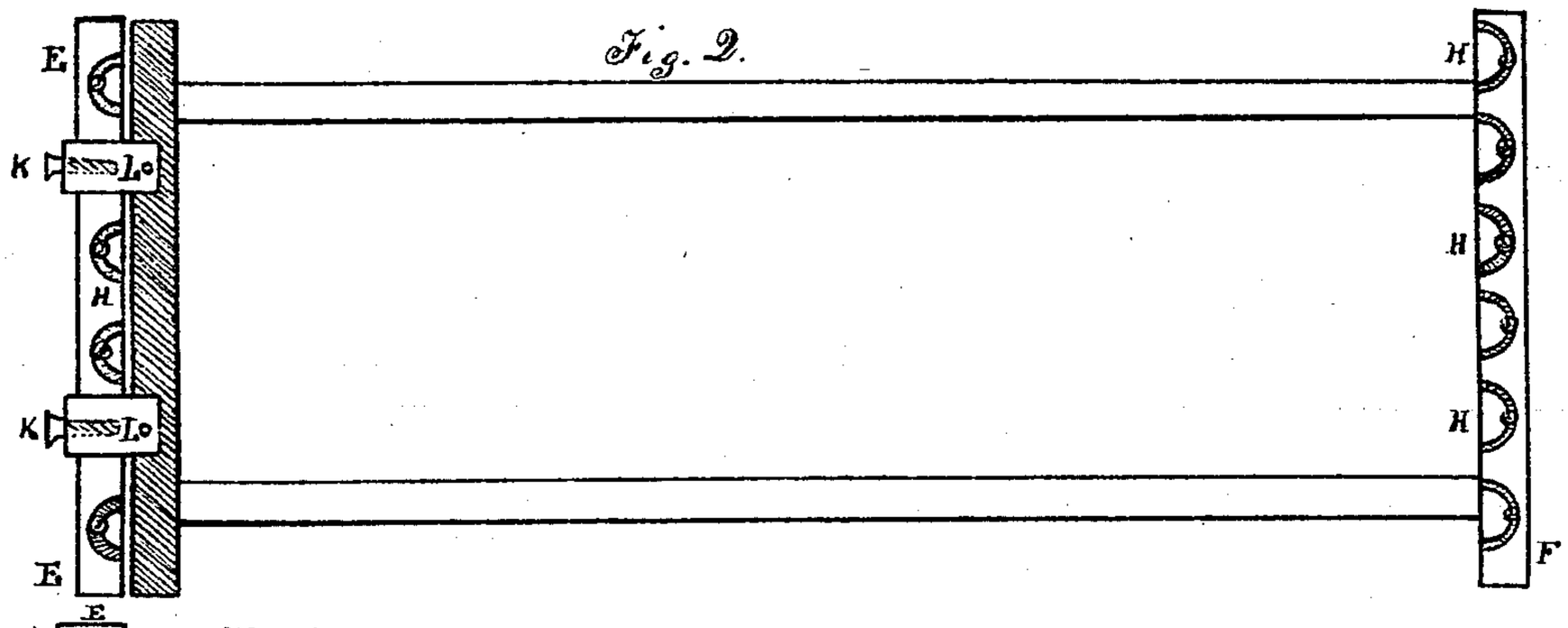


Fig. 3.

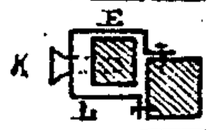


Fig. 4.

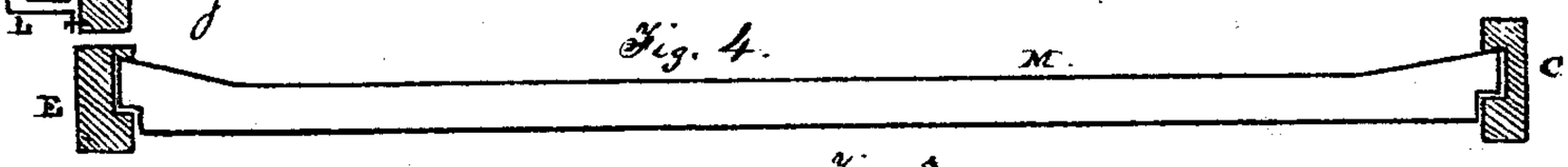
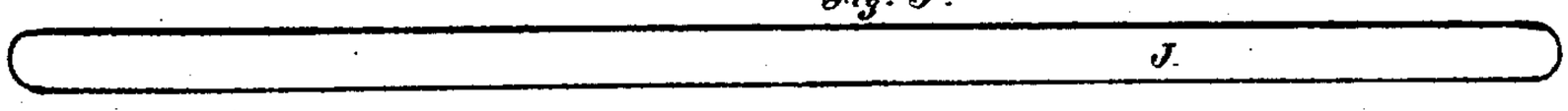


Fig. 5.



Witnesses.

Edm. F. Brown.

A. D. P. Rujant.

Henry J. Smith
Inventor
By his Atty. A. D. P. Rujant

UNITED STATES PATENT OFFICE.

HENRY T. SMITH, OF WASHINGTON, DISTRICT OF COLUMBIA.

IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. 123,520, dated February 6, 1872.

To all whom it may concern:

Be it known that I, HENRY T. SMITH, of the city of Washington, District of Columbia, have invented an "Improved Bedstead with a Movable and Adjustable Bed-Bottom;" and I do hereby declare the following to be an exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification, in which—

Figure 1 represents a top view of the bedstead and bed-bottom. Fig. 2 shows the frame of the bed-bottom, with its straining cross-bars, and adjustable straining-bar working in clips and adjusted by screws. Fig. 3 shows an end view of the straining-bar, surrounded by a clip pivoted or screwed fast to the cross-bar. Fig. 4 represents the longitudinal stretcher, with its notched ends fitting into the corresponding notches of the cross-bar at one end, and cross-rail of the bedstead at the other end. Fig. 5 shows the shape and construction of the endless yielding wire, round at each end.

The nature of my invention consists in the construction of the endless yielding wires or rods, with their round ends fitting into the grooves of the cross straining-bars, and the longitudinal stretcher, when arranged and operated as herein set forth.

A represents the corner posts of the bedstead, with their common head and foot-boards B B, and rails C C C C. D D are inside bracers, to keep the rails firm at their joints. E F are the cross straining-bars, with their semi-circular grooves H H, in which the round ends of the endless wire J fit, and is held down securely by the head of a pin or screw, driven into the straining-bars at each groove H. The straining-bar E at the head of the bedstead is adjustable, so as to tighten the wires J J when required, by means of adjustable screws K through the cross-rail C of the bedstead. Clips L L may be used for the straining-bar E, (as shown at Figs. 2 and 3,) for the better supporting and guiding of the straining-bar E, whilst being regulated or adjusted. M is the stretcher or longitudinal brace, to secure by its end notches fitting into the cross-rail C of the bedstead and straining-bar E. J is the wire, or cords, or rods of metal, all in one endless form, round at the ends and welded firmly at the one end, so as to form a strong and elastic bottom. If one should be accidentally broken, it is easily repaired without having to remove but one wire, J.

What I claim as my invention, and desire to secure by Letters Patent, is—

The construction of the endless wires J J, fitting into their corresponding grooves H H of the adjustable straining-bars E and F, and longitudinal stretcher M, when arranged, combined, and operated as herein described, and for the purposes set forth.

HENRY T. SMITH.

Witnesses:

J. FRANKLIN REIGART,

D. F. REIGART.