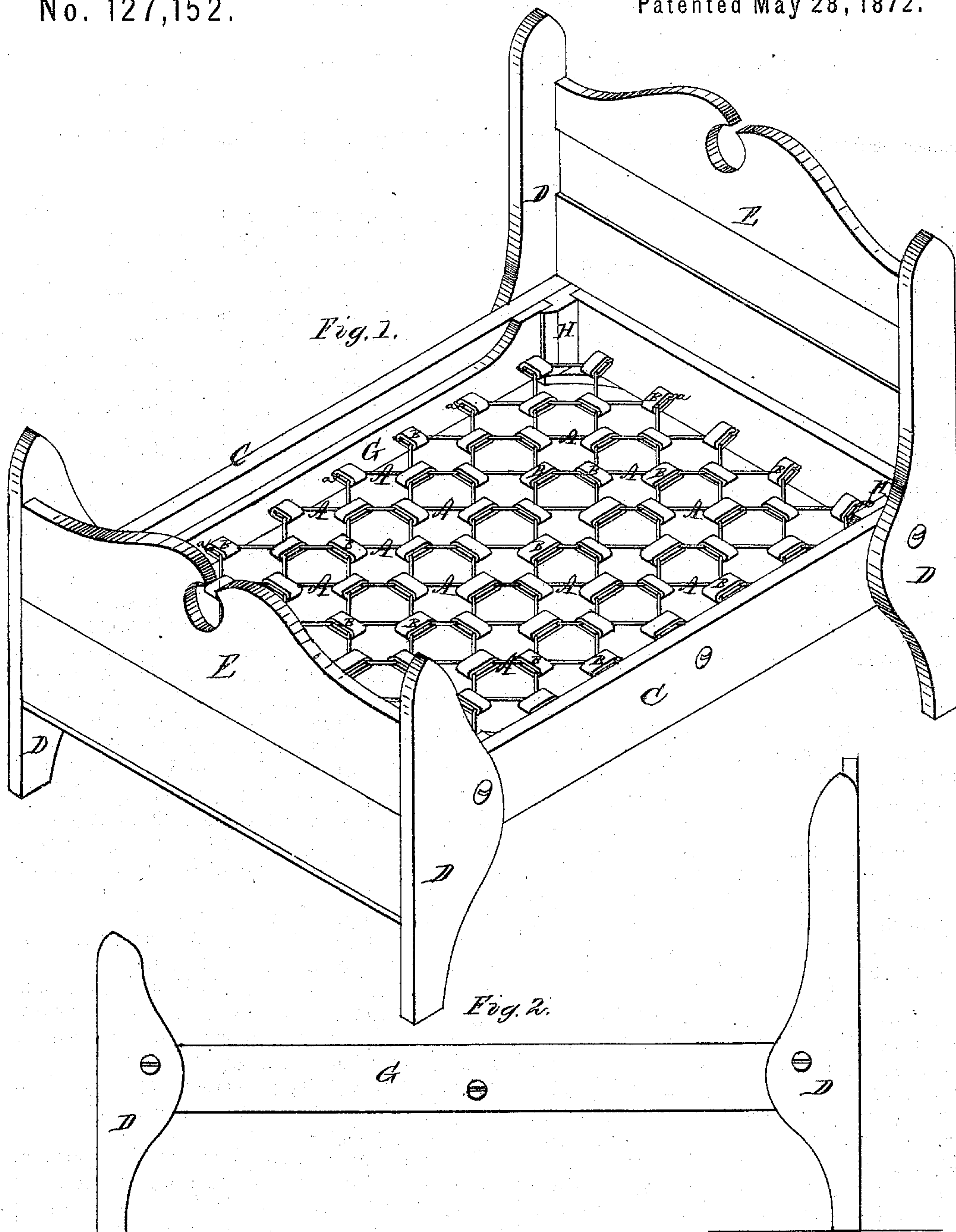


WILLIAM COOKE.
Improvement in Bed-Bottoms.

No. 127,152.

Patented May 28, 1872.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM COOKE, OF NEW YORK, N. Y.

IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. 127,152, dated May 28, 1872; antedated May 10, 1872.

SPECIFICATION.

To all whom it may concern:

Be it known that I, WILLIAM COOKE, of the city of New York, in the county and State of New York, have invented certain new and useful Improvements in Bedsteads; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a bed-bottom, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view, and Fig. 2 a side view.

My bed-bottom is composed of a number of diamond-shaped wire rings, A A, connected at the corners by rubber bands or springs B B.

I do not mean to confine myself exclusively to the use of rubber for these connections B B, as other material may be used for this purpose—for instance, elastic webbing or metallic springs, in fact, anything of an elastic or yielding nature may be used. Neither do I wish to confine myself to the precise shape of the connections, as it is obvious they may be made either round or angular.

This bed-bottom is attached, by elastic or flexible connections, to the sides and ends of a bedstead, low enough down to allow of a mattress being laid on the bottom within the bedstead; or it may be attached to a separate frame placed within the bedstead. The mode of attaching the bottom is immaterial; it may be done in various ways—for instance, by staples passing through the flexible connections and fastened in the bed or frame. In attaching the bed-bottom, one end thereof, at the head, is raised higher than the balance, thus making it unnecessary to use a bolster under the pillows.

The bed-bottom thus constructed and attached possesses several advantages, one of the most important of which is that it accommodates itself to the contour of the person resting

upon it. A person lying on the side will naturally depress the bed-bottom under the shoulder and hip, while the part between said points is not depressed, but fills up the hollow in the body, thus giving equal rest to all parts of the body. This is not the case in the ordinary spring bed-bottoms, for when one part is depressed, generally the whole bottom, or at least one or two slats, are depressed the whole length of the bed. On my bed-bottom with two persons there will be no incline for them to roll down toward each other. The bottom may be tightened or stretched by means of webbing used along one or both sides and one or both ends of the bedstead.

C represents a square frame, within which the bed-bottom A B is attached, said frame resting upon four legs, D D, which are pivoted to the sides of the frame near the ends. To these legs, at each end of the frame, are attached the end pieces E E, which are so arranged that, when the legs are raised in a vertical position, these end pieces will form, as it were, a continuation of the ends of the frame C. The end pieces are then fastened, by hooks *a a*, to the ends of the frame. The legs and end pieces may be folded inward over the bed for moving or when desired to be put out of the way.

It will be noticed that in this bedstead the bottom is fastened to four bars or boards, G G, which are dropped on the inside of the frame C in grooved blocks H H, and then bolted to the frame. By this means the bottom can be readily taken out when for any reason it should become necessary to do so.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The independent couplings or connections, either of metal or other suitable material, in combination with the flexible or yielding springs B B, arranged substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

WILLIAM COOKE.

Witnesses:

C. ALEXANDER,
J. V. WHITE.