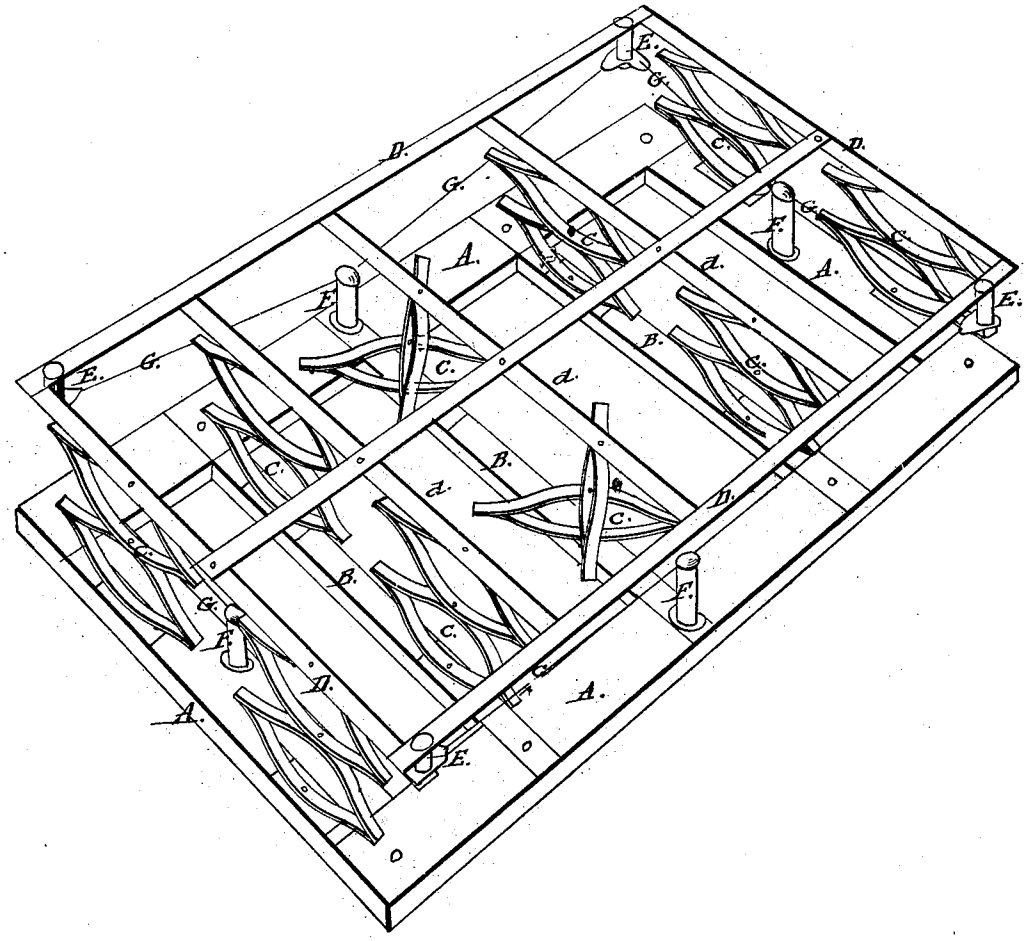
B. Partello.

Bed Bottom.

No. 88,070. Patented Mar. 23, 1869.



Witnesses:
H. F. Berta
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United States Patent Office.

BYRON PARTELLO, OF DETROIT, MICHIGAN.

Letters Patent No. 88,070, *dated March* 23, 1869.

IMPROVED SPRING-BED BOTTOM.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern:

Be it known that I, BYRON PARTELLO, of Detroit, in the county of Wayne, and State of Michigan, have invented a new and useful Improvement in Spring-Bed Bottom; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification.

The nature of this invention relates to an improvement in the construction of spring-bed bottoms; and consists in the employment of double-elliptic springs, for supporting a net-work of light strap-metal, upon which the bedding rests; also, in the peculiar arrangement of a device for preventing the same from swaying in a lateral direction; the whole forming an elastic and luxurious foundation, suitable for beds, sofas, lounges, car-seats, and other articles, combining simplicity and cheapness in construction, with durability in service, noiseless in operation, and offering no harboring-places to vermin.

A, in the drawings, represents a proper frame of wood, composed of two side and two end-pieces, of such dimensions as will enable it to occupy the space between the side-rails and head and foot-boards of a bedstead or other article of furniture, and is provided with transverse slats, B, upon which are secured the double-elliptic springs C.

These springs are formed of two light strips of steel, bent into the proper shape, and joined at their ends by a rivet, two or more of such springs being riveted together at their centres, as shown.

D is the upper frame, which may be made of wood, but preferably of light strap-steel, securely riveted at the corners, and to whose side-pieces are riveted the transverse strips *d*, of thin and elastic metal, upon which the mattress rests.

One or more longitudinal bands of leather may be riveted to the upper frame, and transverse strips, if necessary, to better support the bedding.

These strips *d* are riveted to the centre of the top leaf of each of the upper springs under it, as shown.

To prevent any lateral swaying, or vibration in the upper frame, I attach, to the under side of each of its four corners, a downward-projecting stud, E, whose length will vary with the size of the frame; and in the middle of each of the side and end-pieces of the frame A, I erect a post, F, whose height is proportioned in like manner.

From the top of each post, I run a wire, G, to each of the adjoining studs E, and, drawing it taut, secure it to the bottom of the stud, as shown, so that when one side of the superstructure is depressed sufficiently to carry the wire G below a horizontal plane, the outer end of said wire will describe an arc of a circle, and keep the end of the stud in the radius of the circle so described, and so prevent any tendency in the upper frame to sway laterally, to the detriment of the springs.

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

The combination and arrangement of the frame A, transverse slats B, springs C, metallic frame D, transverse metallic strips *d*, studs E, posts F, and wires G, when constructed, arranged, and operating substantially as described, and for the purposes specified.

BYRON PARTELLO.

Witnesses:
H. F. EBERTS,
JAS. I. DAY.