

C. W. NORTHRUP.
Spring Bed-Bottoms.

No. 143,373.

Patented September 30, 1873.

Fig 1.

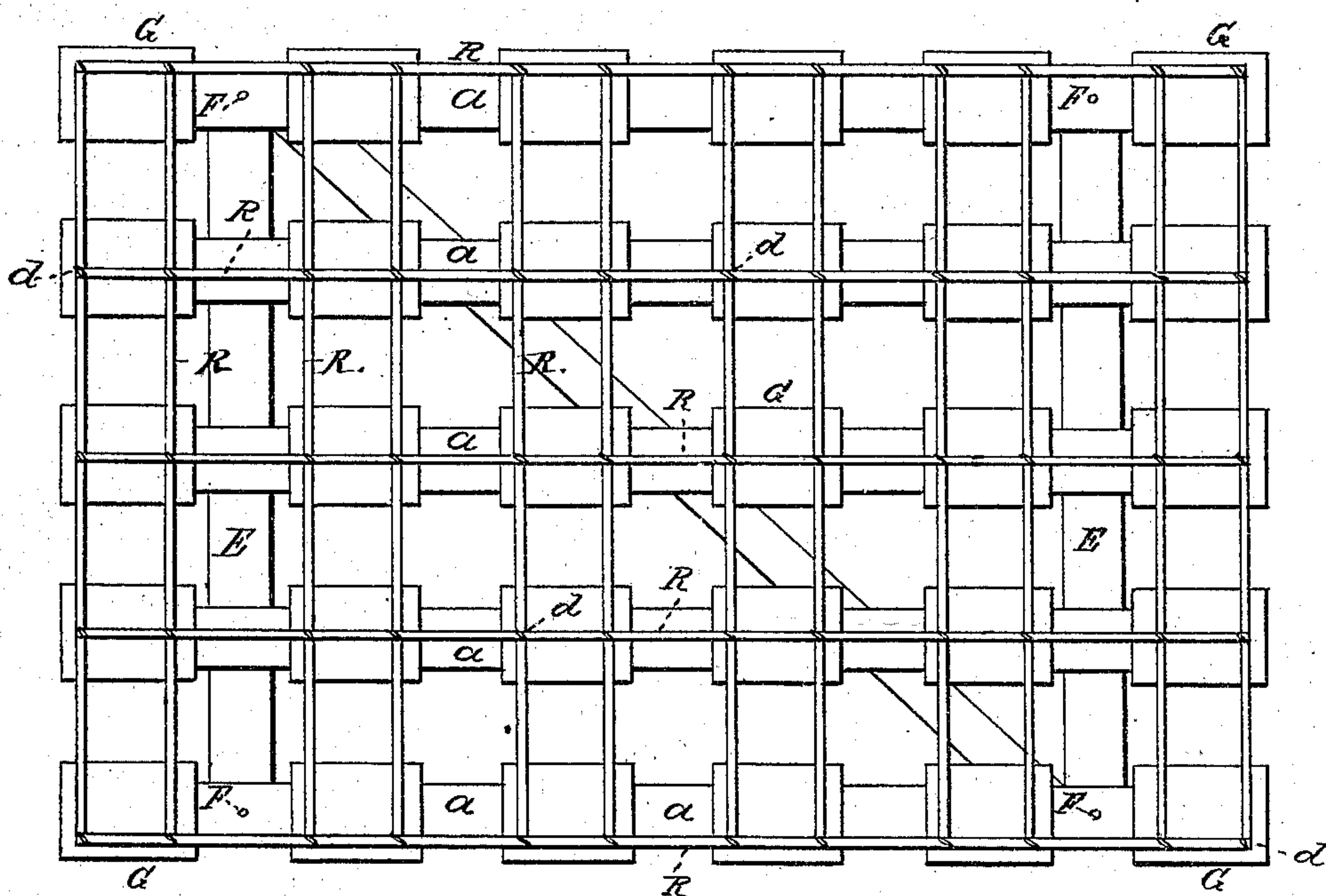


Fig 2.

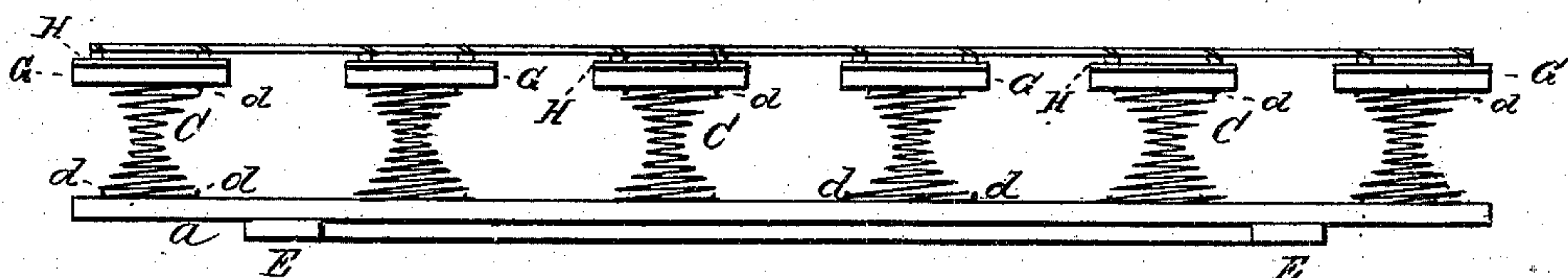
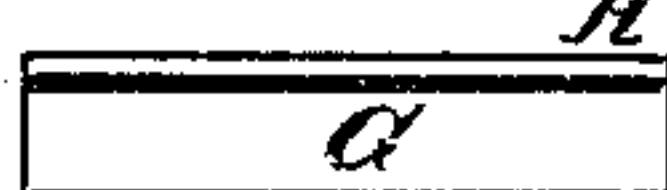


Fig 3.



Witnesses.
Benj W. Robson.
Henry F. Coupe.

Inventor.
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UNITED STATES PATENT OFFICE.

CHARLES W. NORTHRUP, OF UTICA, NEW YORK.

IMPROVEMENT IN SPRING BED-BOTTOMS.

Specification forming part of Letters Patent No. **143,373**, dated September 30, 1873; application filed April 18, 1873.

To all whom it may concern:

Be it known that I, CHARLES W. NORTHRUP, of Utica, in the county of Oneida and State of New York, have invented a new and useful Mode of Manufacturing Bed-Bottoms; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, with letters of reference marked thereon, forming a part of this specification.

My invention relates to an improvement in that article of manufacture known as bed-bottoms, which heretofore have been made in various ways, one being to use ropes, crossing each other at right angles. This mode has almost entirely been abandoned. Another way was to use what are commonly called lounge-springs, and crossing ropes at right angles over said springs, and to fasten them with thread to each spring. These soon broke away, and the springs turned to one side, and needed constant repairing. Another mode was to use the same kind of springs, but to fasten steel strips directly to the springs with twine, crossing each other at right angles. These would often corrode and break, and also cut the twine as well as the ticking, and the springs would soon get loose.

To obviate these objections to those now in use, and to enable those skilled in the art to manufacture and use my invention, I will proceed to describe its construction.

It consists of the arrangement of the ordinary lounge-springs, of any desired number, upon slats or strips of wood, the same to be secured firmly in the usual manner; also, in having secured to the upper part, or on the top of these several springs, blocks of wood or other suitable material, which may be secured to said

springs by staples or double-pointed tacks, to form a rest or support to the principal feature of my invention—the rattan, which is stretched longitudinally and transversely across the blocks—the whole forming a neat, light, and substantial article of manufacture.

Figure 1 is a plan or top view of my bed-bottom. Fig. 2 is a side elevation of the same. Fig. 3 is a detail of one of the blocks.

a a are slats, arranged longitudinally with the bedstead. They are intersected and braced by transverse slats *E*, two or more in number, and one or two diagonal ones, all secured to slats *a a* by suitable bolts or screws. Springs *c* are fastened securely to slats *a a* by staples or double-pointed tacks *d d*. Blocks *G*, of a number corresponding with the number of springs, rest on and are secured to said springs by staples, and riveted in the usual manner. These blocks *G G* may be covered with cloth, to give an elastic or non-frictional bearing to the rattan, which rests upon them. The rattan strips are stretched across the bottom longitudinally and transversely, and are secured at the intersections firmly to the blocks *G G G* by staples or double-pointed tacks, which gives it strength, elasticity, and durability; and it is also economical, as they can be sold remarkably low.

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

The combination of the springs *c*, attached to blocks *G* and slats *a*, and strips of rattan *R*, all arranged substantially as described, and for the purpose set forth.

CHARLES W. NORTHRUP.

Witnesses:

BENJ. W. ROBSON,
HENRY F. COUPE.