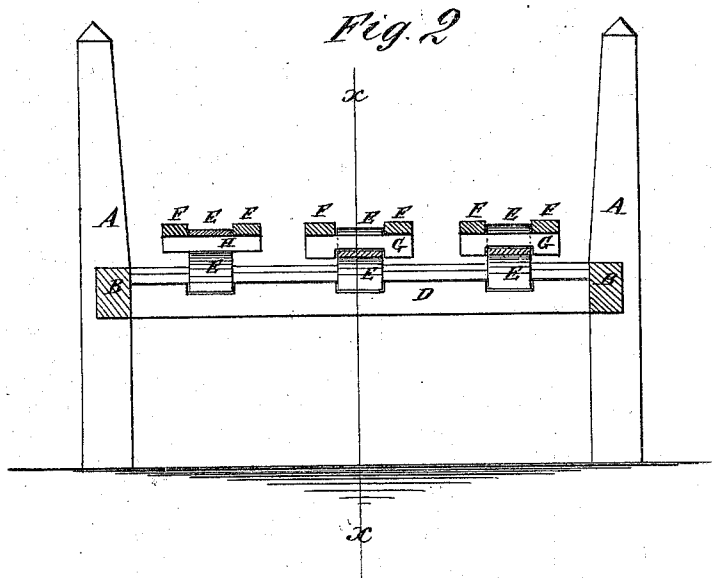
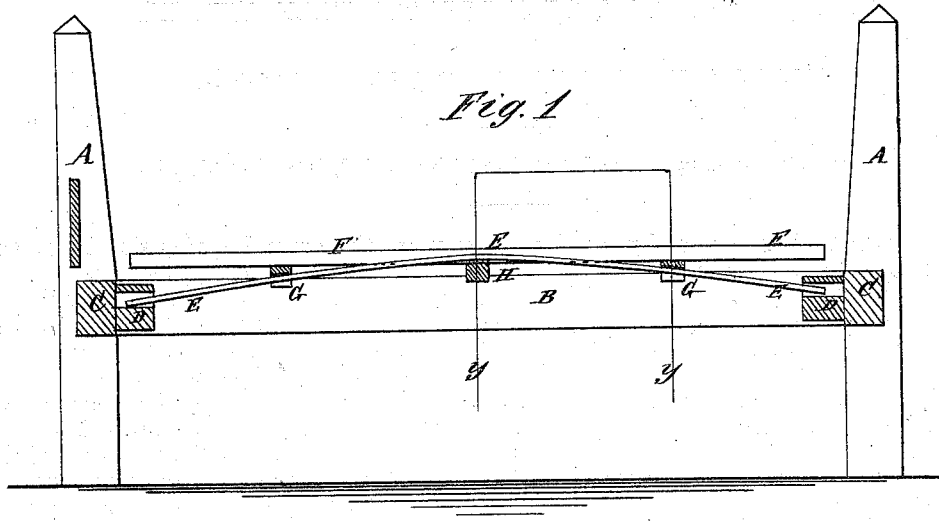


D. McMURCHY.

Improvement in Spring Bed-Bottoms.

No. 126,977.

Patented May 21, 1872.



Witnesses:

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Inventor:

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UNITED STATES PATENT OFFICE.

DONALD McMURCHY, OF JEFFERSONVILLE, INDIANA.

IMPROVEMENT IN SPRING BED-BOTTOMS.

Specification forming part of Letters Patent No. 126,977, dated May 21, 1872.

Specification describing a new and useful Improvement in Spring Bed-Bottom, invented by DONALD McMURCHY, of Jeffersonville, in the county of Clark and State of Indiana.

Figure 1 is a detail longitudinal section of a bedstead to which my improvement has been applied taken through the line *x x*, Fig. 2. Fig. 2 is a detail cross-section of the same taken through the line *y y*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved spring bed-bottom, simple in construction, inexpensive in manufacture, not liable to get out of order, effective in operation, and durable; and it consists in the construction and arrangement of the central and side spring-slats, the central block or bar, and the fulcrum-blocks, as hereinafter more fully described.

A represents the posts, B the side rails, and C the end rails of a bedstead, about the construction of which parts there is nothing new. To the inner sides of the end rails C are attached bars D, in which are formed notches or sockets to receive the ends of the central spring-slats E. Each spring-slat E is placed between and connected with two side slats, F, which should also be elastic. The side slats F should be made of such a length that when pressed downward their ends may come in contact with and rest upon the bars D. G are fulcrum-blocks, the ends of which are securely attached to the under side of the two side slats F about midway between their ends and centers. The under side of the middle part of the fulcrum-blocks G are notched to receive and

rest upon the central spring-slat E, so as to keep the said blocks G in proper position upon the said slat E. To the under side of the central parts of the side slats F are attached the ends of the bar or block H. The central part of the central slat E passes over the middle part of the block or bar H, and is connected with it by a pin attached to the said block H, and which passes through a hole in the spring-slat F, so as to prevent the said slat from slipping from the block H, and the parts thus getting out of their proper relative positions.

With this construction, should the central spring-slats E become permanently bent or set they may be removed and reversed, making the bed-bottom again as good as new. With this construction light weights will be supported by the elasticity of the central slats E, but heavy weights will bring the ends of the side slats F into contact with the bars D, so that the weight will be supported by the elasticity of the three slats, the bed-bottom being thus equally easy and elastic, whether supporting light or heavy weights.

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

The arrangement of the central spring-slat E, two side spring-slats, F, fulcrum-blocks G, and central block or bar H, with respect to each other, substantially as herein shown and described, and for the purposes set forth.

DONALD McMURCHY.

Witnesses:

JOHN T. HOPKINS,
JOHN F. READ.