

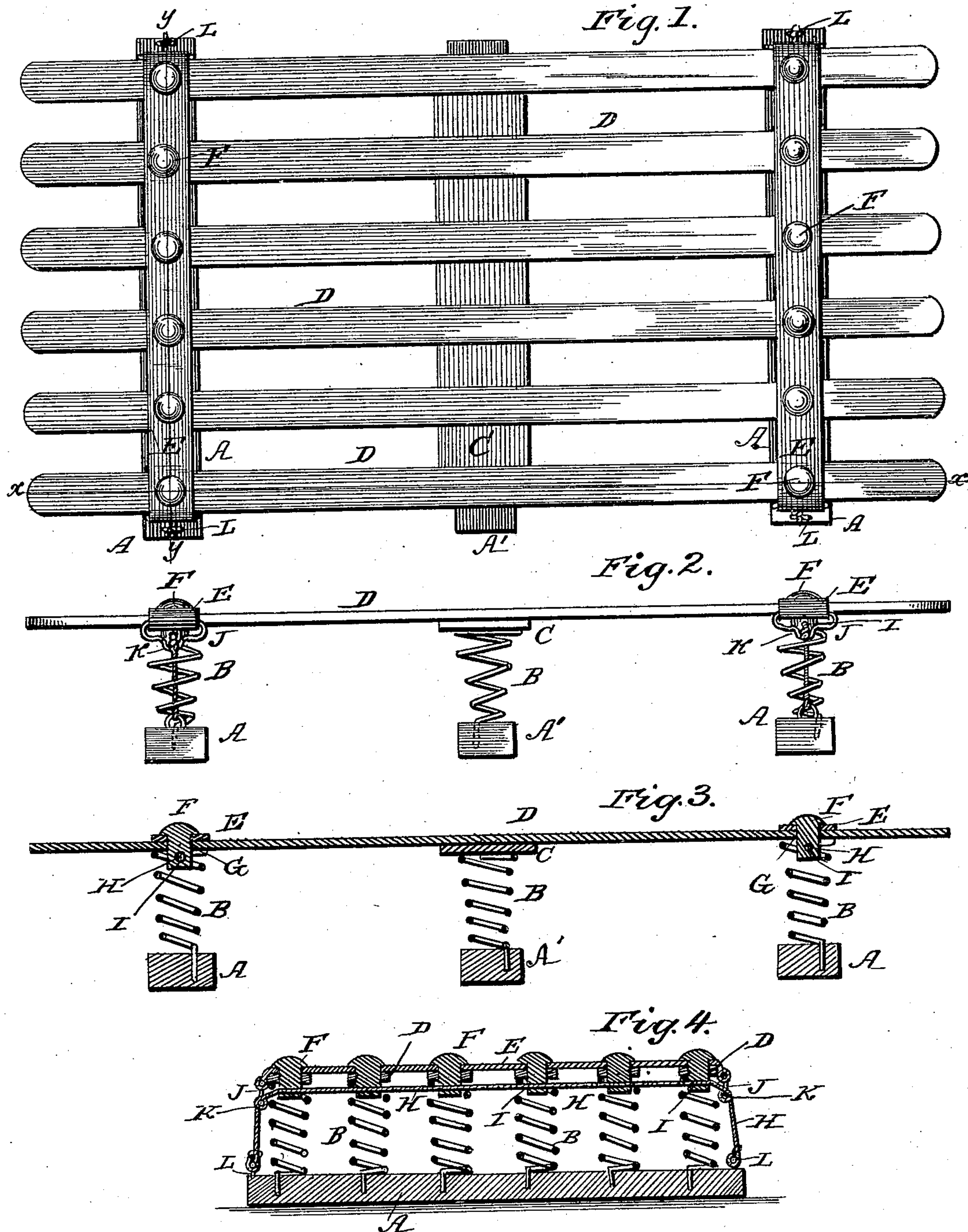
(No Model.)

E. W. GRAFTON.

SPRING BED BOTTOM.

No. 287,120.

Patented Oct. 23, 1883.



WITNESSES:

Frederick Dieterich
Arthur L. Morrell.

INVENTOR.

Edwin W. Grafton
By Louis Bagger & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

EDWIN W. GRAFTON, OF CHICAGO, ILLINOIS.

SPRING BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 287,120, dated October 23, 1883.

Application filed June 9, 1883. (No model.)

To all whom it may concern:

Be it known that I, EDWIN W. GRAFTON, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Spring Bed-Bottoms; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a plan or top view of my improved spring bed-bottom. Fig. 2 is a side view of the same. Fig. 3 is a longitudinal vertical section through line *xx* in Fig. 1, and Fig. 4 is a vertical cross-section through line *yy* in the same figure.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to spring bed-bottoms; and it consists in the improved construction and combination of parts of the same, which will be hereinafter more fully described and claimed.

In the accompanying drawings, *A A'* denote the parallel cross-bars or foundation-bars, preferably three in number, and adapted to fit into the mortises in the side pieces of the bedstead, in which the slats are usually placed. A series of coiled springs, *B*, is suitably fastened upon each of the cross-bars *A*, preferably by boring holes in the cross-bars, and inserting the lower ends of the springs into the same, as will appear more clearly by reference to Figs. 3 and 4 of the drawings. I desire it to be understood, however, that I do not limit myself to any particular means or method of fastening the springs upon the cross-bars. The springs upon the middle bar, *A'*, are connected by a slat, *C*, suitably fastened, removably, to the top of the springs. Across this are placed the top slats, *D*, which form the bed-bottom proper, and may be of any suitable number, there being one for each spring upon cross-bars *A*. These slats are fastened in place by bands of strap-iron, or other suitable material, (shown at *E*,) which are connected to the respective slats by buttons *F*,

inserted through apertures *G* in opposite ends of the slats, which buttons are held in place by means of a cord or wire, *H*, which is inserted through holes *I*, bored through the shanks of the buttons below the slats. The ends of the fastening-cords *H* are passed through loops or stirrups *J*, fastened in opposite ends of the bands *E*, and formed with loops or eyes *K*, for the purpose of preventing the fastening-cord from moving sidewise in the stirrup. The free ends of the cords are tied to staples or screw-eyes *L*, fastened in the head and bottom bars, *A A'*.

From the foregoing description, taken in connection with the drawings, it will be seen that my improved spring bed-bottom, while very inexpensive in construction, is yet very elastic and convenient. It can be taken apart in a few moments by simply loosening the fastening-cords *H*, drawing them through the stirrups *J* and the perforated buttons, when the latter may readily be taken out of the slats, so that the connecting straps or bands *E* may be removed, after which the slats can be lifted off the springs and the springs detached from the cross-bars *A*, when the whole bed may be packed in a very small space. It may be as easily put together again by simply reversing the order of this procedure.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination, in a spring bed-bottom, of the parallel cross-bars *A A'*, detachable springs *B*, cross-bar *C*, connecting the middle set of springs, longitudinal slats *D*, having apertures at opposite ends, bands or cross-straps *E*, having stirrups *J*, and perforated for the insertion of the buttons, buttons *F*, having transverse holes *I*, and fastening-cords *H*, the whole constructed and combined substantially as and for the purpose set forth.

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

EDWIN W. GRAFTON.

Witnesses:

F. GEBHARD,
O. D. BARROWS.