

Alfred Walker's IMPROVEMENT IN SPRING BEDS

Fig 1

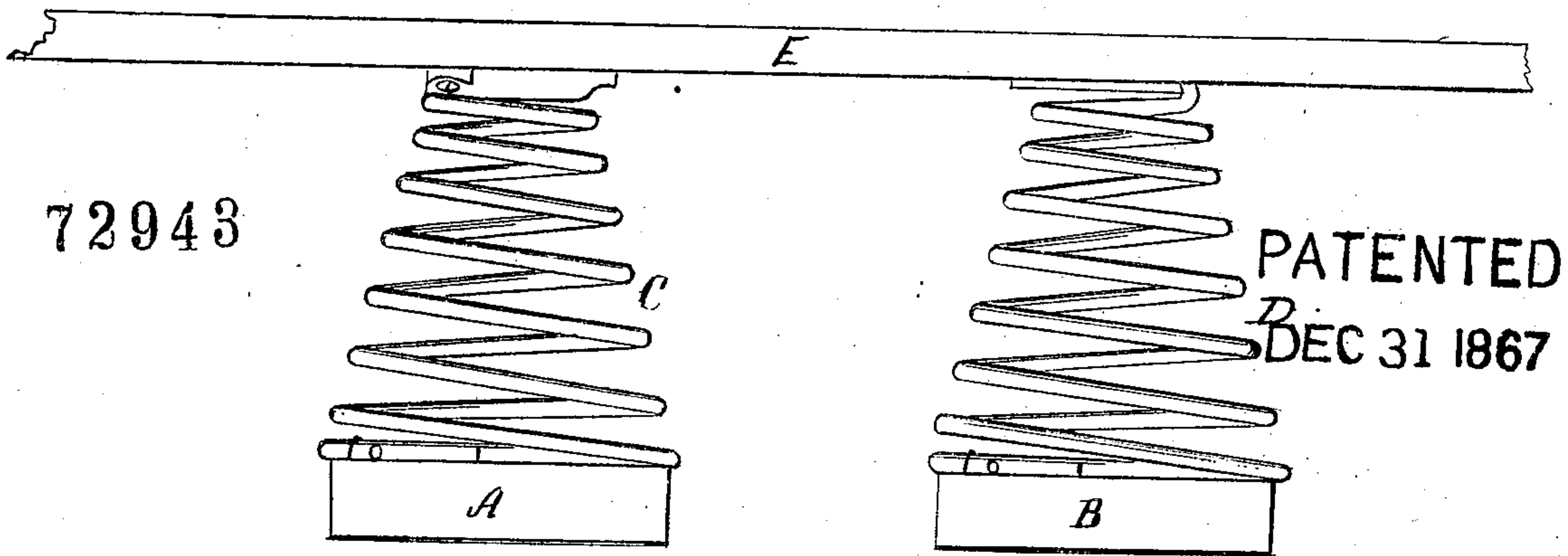


Fig 2

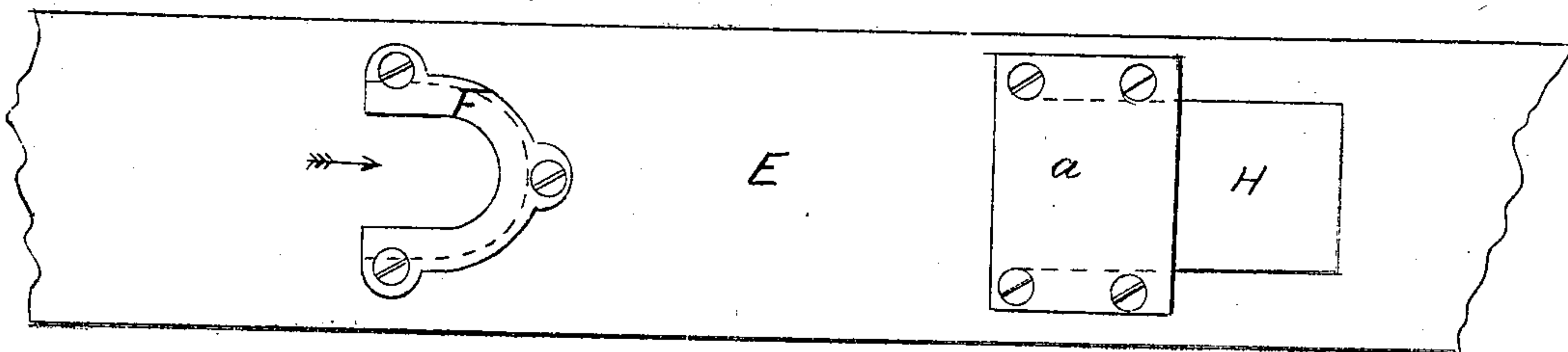
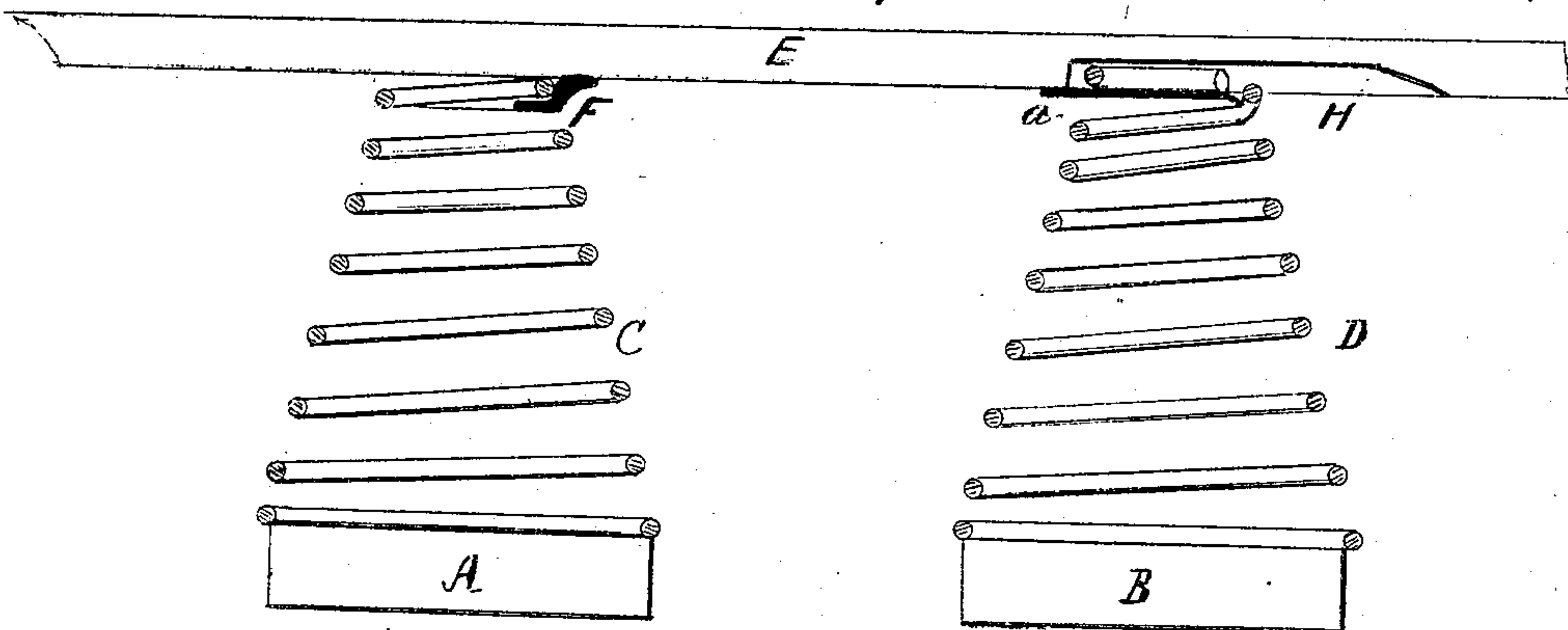


Fig 3



Witnesses

John H. Shumway
A. J. Dittitz

Alfred Walker
Inventor

By his Attorney

John E. Clark

United States Patent Office.

ALFRED WALKER, OF NEW HAVEN, CONNECTICUT.

Letters Patent No. 72,943, dated December 31, 1867.

IMPROVED SPRING-BED BOTTOM.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, ALFRED WALKER, of New Haven, in the county of New Haven, and State of Connecticut, have invented a new Improvement in Spring-Beds; and I do hereby declare the following, when taken in connection with the accompanying drawings, and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view,

Figure 2 an under side view of the slat, and in

Figure 3 a longitudinal section.

This invention relates to an improvement in that class of spring-beds which employ a spiral spring at or near each end of the slat, and consists in the formation of a socket in or attachment of a socket to the slat, the said sockets opening in opposite directions, and constructed so as to each receive the upper end of a spring, and hold the spring in position, the object being to prevent the disadjustment of the slat upon the springs, and yet so that the slat may be easily removed if desired.

To enable others to construct my improvement, I will proceed to describe the same, as illustrated in the accompanying drawings.

A B are the bars, upon which conical or other spiral springs, C D, are securely fixed, and E the slat, formed from wood. The two bars A B, I arrange so as to set the springs at their proper relative positions under the slat E; and upon the slat, and in the position corresponding to the spring, I fix a metallic socket, F, the said socket being in section as denoted in fig. 3, and so as to receive within it the upper end of the spring, the spring entering the open end and sliding freely into the socket, the natural elasticity of the wire being sufficient to retain it in its position; it is forced back hard into the socket against the shoulder at the closed end; and upon the slat at the other end, and corresponding to the other spring, I fix another socket, opening in the opposite direction, and insert the spring at that end in like manner as the first. Therefore, whatever tends to force the slat toward either end will be resisted by the spring at the end toward which the slat is moved, and bearing against the shoulder at that end, will return the slat to its proper position, and thus positively prevent the accidental removal of the slat from its proper position.

This accidental displacement of the slat to such an extent that the end of the slat will strike the bedstead, is a great difficulty experienced in the use of this class of spring-beds—difficulties which, by the arrangement of the socket as described, are freely and entirely overcome. If preferred, the socket may be formed in the slat itself, as seen at H, figs. 2 and 3. First cut a recess into the slat large and deep enough to receive the upper coil of the spring, then over one end of the recess fix a plate, *a*, then insert the spring into the recess, forcing the upper coil over the plate into the recess, and upon the other end of the slat reverse the position of the plate *a* to the other end of the socket, so that the two springs will be inserted from opposite directions, and the same result is attained as by the first-described construction. I, however, prefer the first-described construction.

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

Providing the slat E with a socket corresponding to each spring, whether the socket be attached to or formed in the said slat, the two sockets opening in opposite directions, and so as to receive and hold the two springs in the manner and for the purpose as herein set forth.

ALFRED WALKER.

Witnesses:

JOHN H. SHUMWAY,

A. J. TIBBITS.