

T. FLAGLER.
Mattresses.

No. 196,442.

Patented Oct. 23, 1877.

Fig 1.

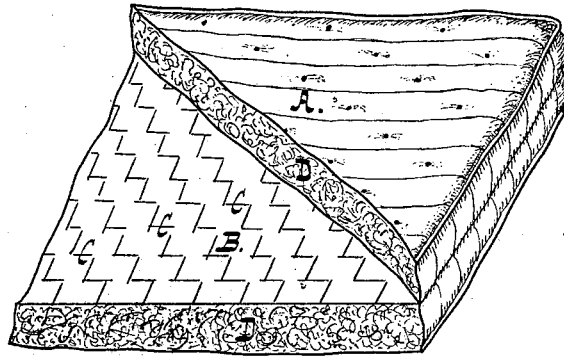
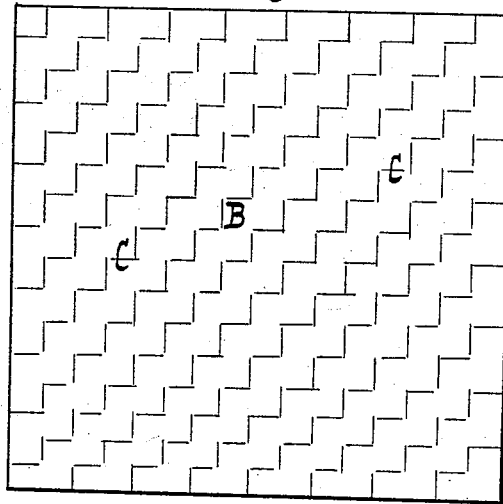


Fig 2.



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IMPROVEMENT IN MATTRESSES.

Specification forming part of Letters Patent No. **196,442**, dated October 23, 1877; application filed August 7, 1877.

To all whom it may concern:

Be it known that I, THOMAS FLAGLER, of the city of Baltimore, State of Maryland, have invented certain new and useful Improvements in Mattresses; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 represents a perspective view of my mattress, a portion of the same being broken away to better illustrate its internal construction; and Fig. 2 represents a plan view of the central spring-partition, having a series of straight steel wires, interlaced at right angles, attached thereto, as hereinafter described.

This invention relates to the thin mattresses principally in use upon spring-bedsteads; and it consists in the interposition between the two layers of the mattress of a spring-partition.

It is customary to use upon ordinary slat-bedsteads two mattresses—an under one of husk or some cheap material, and an upper mattress, which is generally stuffed with hair. Upon spring-bedsteads, however, the same mattresses will not answer, as the springs would raise them to an unsightly height. The husk mattress is therefore dispensed with, and the thin hair mattress alone used. This latter, however, when used alone, is sure to sag down between the slats or springs of the bed, and present, after use, a corrugated or uneven surface, which is even more unpleasant to the body than to the eye. A thorough shaking up of the mattress is, of course, necessitated, to obviate which my present invention is especially designed.

In the accompanying drawings, A repre-

sents my mattress, which consists of two portions, D D, stuffed with hair or other suitable material. Between these two portions is interposed a layer, B, of some coarse material, such as wiggin, into the material of which is woven, or upon which is attached, a number of fine steel springs, C C C. These may interlace in any desired pattern, preferably at right angles, as shown in Fig. 2 of the drawings.

In this figure the wires are shown each extending completely from side to side of the mattress, and inserted after the manner of stitches in the wiggin. It is obvious, however, that they may be attached on the outside of the same, and, as stated, may interlace at different angles without departing from the spirit of my invention.

By this construction great elasticity is imparted to the mattress, which may be made much thinner and lighter than when the springs are dispensed with. The mattress instantly springs up level after use, and, owing to the resistance which the springs offer, sagging is almost wholly obviated during use.

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

1. A mattress consisting of two stuffed portions and an interposed series of straight steel wires, substantially as described.

2. The combination of the stuffed portions D D with the wiggin B and straight springs C C, substantially as described.

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Witnesses:

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