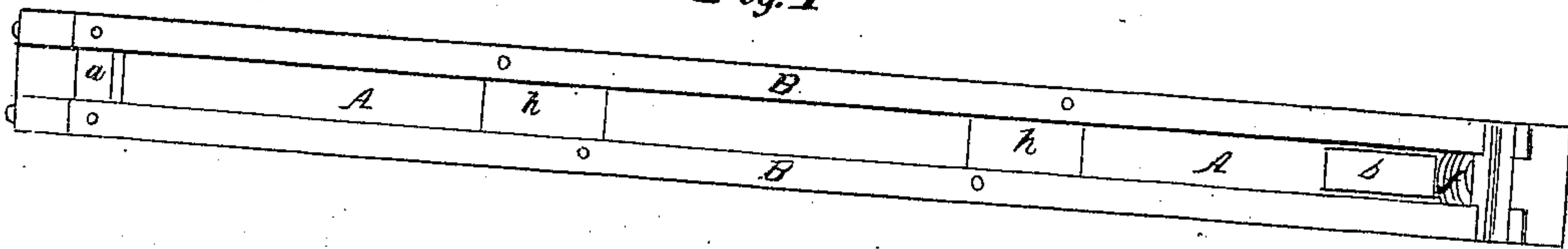


*P.C. Ingersoll's Imp<sup>t</sup>. in Spring-bed Slats.*

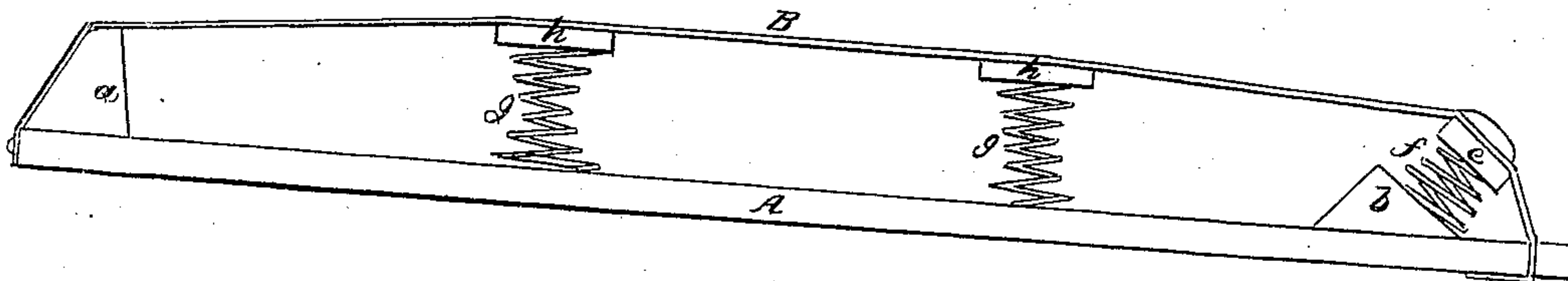
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*Fig. 1*



*Fig. 2*



Witnesses.

*M. Cooney  
Adellery*

*P. C. Ingersoll*

# United States Patent Office.

PLATT C. INGERSOLL, OF GREENPOINT, NEW YORK.

*Letters Patent No. 72,398, dated December 17, 1867.*

## IMPROVED SPRING-BED SLATS.

*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, PLATT C. INGERSOLL, of Greenpoint, in the county of Kings, and State of New York, have invented certain new and useful Improvements in Spring-Bed Slats; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a portion of this specification, in which—

Figure 1 is a plan view of a spring-bed slat made according to my invention.

Figure 2 is a side view of the same.

Similar letters of reference indicate corresponding parts in both figures.

This invention may be considered as an improvement on the bed-slat patented by PLATT C. INGERSOLL, October 31, 1865, and its object is to render the said slat more yielding and elastic, without in any way impairing its strength or durability; and to this end it consists in certain novel combinations of supporting-springs with the sheet-metal and slat-bars, whereby the desired object is perfectly secured.

To enable others to understand the nature and construction of my invention, I will proceed to describe it with reference to the drawings.

A represents a wooden strip, which constitutes the bottom of the slat, and which may be of any suitable width, and of a length proportioned to that of the bedstead upon which the slats are to be employed. Situated transversely at one end of the strip, and projecting upward therefrom, is a block or piece, *a*, and situated near the opposite side is a low transverse cleat, *b*. B represents the sheet-metal slat-bars, which may be made of hoop-iron, and of which there are one or more, but preferably two to each strip, A. These slat-bars, B, are fastened at one end to one extremity of the strip A, and, passing over the block or piece *a*, have secured to their under sides, near their opposite ends, a short transverse bar, *c*, the ends last mentioned being secured in any appropriate manner to the adjacent end of the strip A. A stiff spring, *f*, is placed between the cleat *b* and the bar *c*, and at intervals, underneath the horizontal portions of the slat-bars, between the same and the strip A, are spiral or other suitable springs, *g*, the upper ends of which support cross-bars *h*, secured to the slat-bars, so that the aforesaid springs *g* serve in a measure to sustain the horizontal portions of the said slat-bars against the pressure exerted by any weight placed thereon.

When the slats are in use, the weight upon the slat-bars, by somewhat depressing the central parts of the horizontal portions thereof, tends to elongate, as it were, the said horizontal portions. The spring *f*, by yielding slightly, allows of such elongation, without permitting any undue depression of the ends of the slat-bars adjacent thereto; while the springs *g*, by sustaining the aforesaid horizontal portions of the slat-bars, enable them to support the weight upon them, and at the same time render the same more elastic, and consequently more comfortable to the person supported thereby.

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

The springs *f* and *g*, in combination with the sheet-metal slat-bars B, and arranged in relation to the end and horizontal portions of said slat-bars, substantially as and for the purposes specified.

P. C. INGERSOLL.

Witnesses:

J. W. COOMBS,

A. LE CLERC.