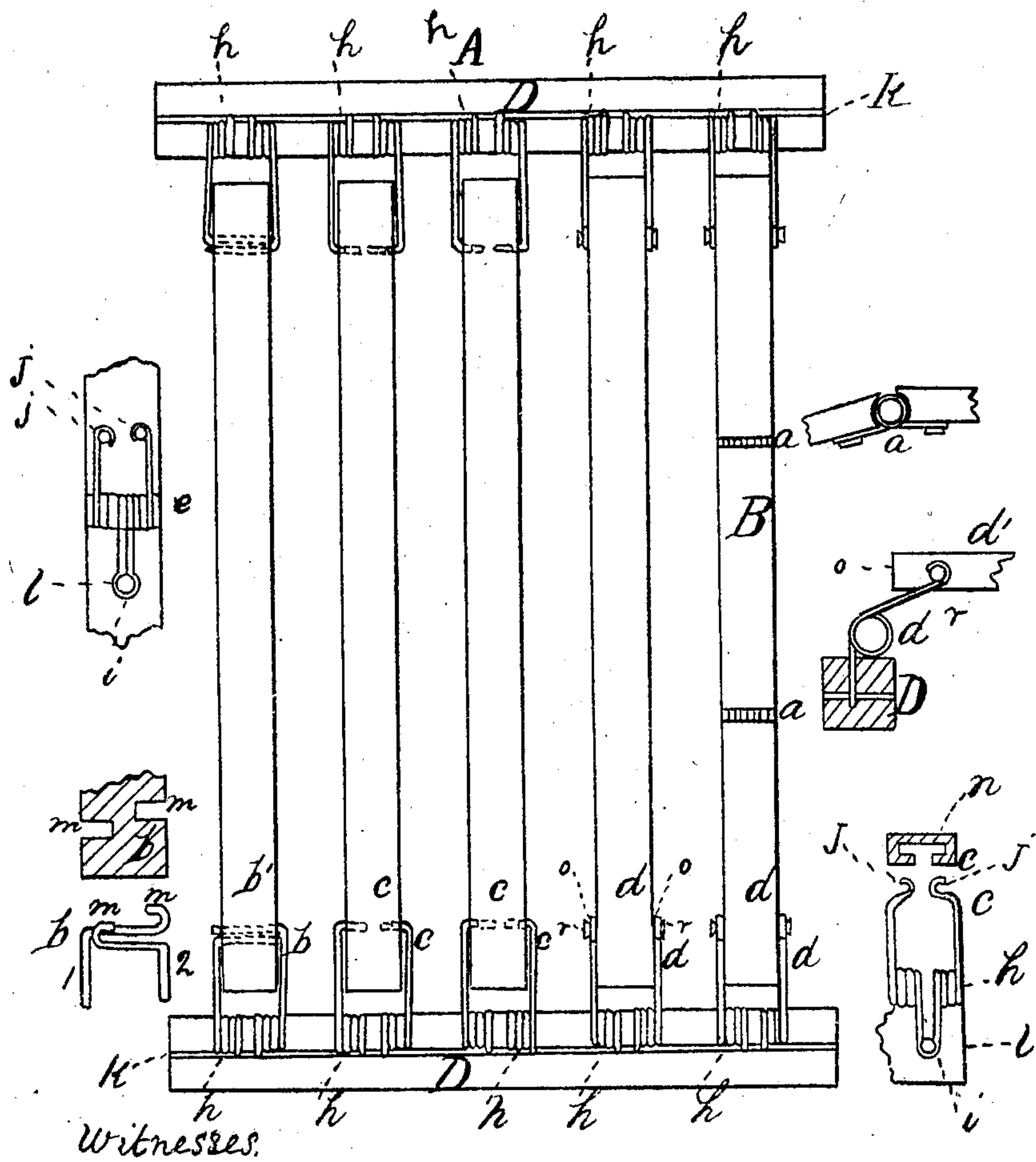


2 Sheets.
Sheet 1.

J. Potter.
Bed-Bottom.

N^o 73997

Patented Feb. 4, 1868.



Wm. H. Clifford
Wm. Frank Searey

Inventor
James Potter

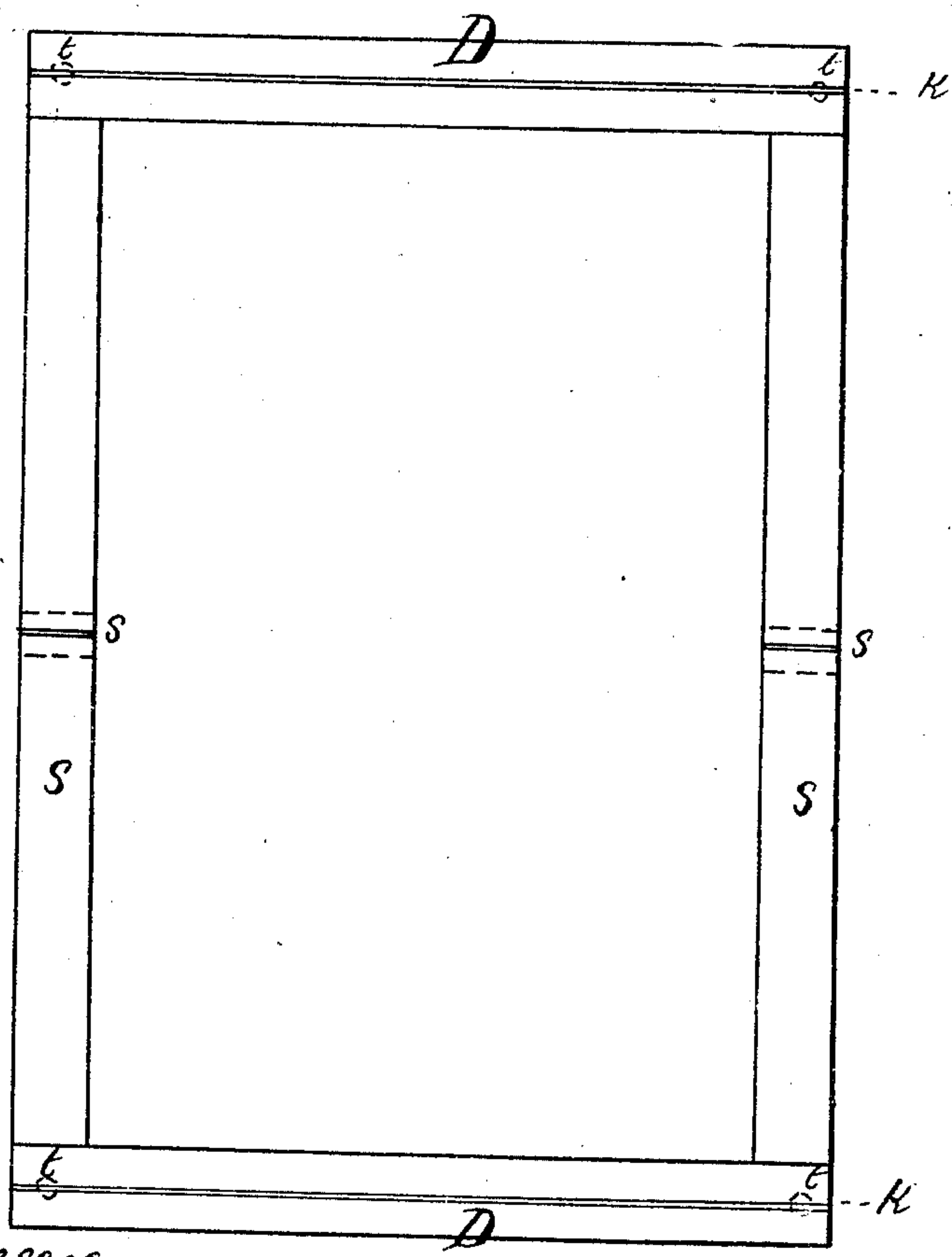
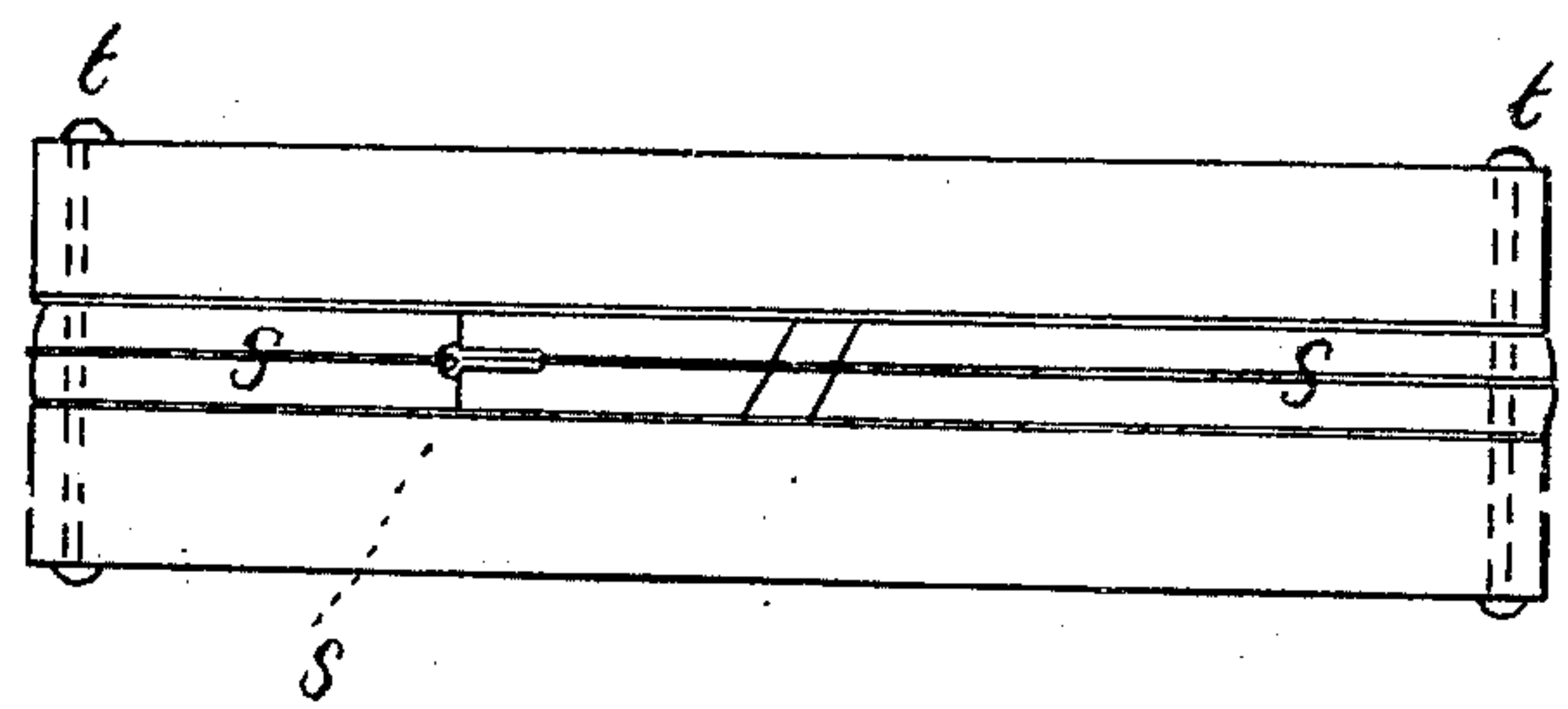
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Witnesses.

Wm H Clifford
Wm Frank Seavey

Inventor

James Potter

United States Patent Office.

JAMES POTTER, OF PORTLAND, MAINE.

Letters Patent No. 73,997, dated February 4, 1868.

IMPROVED 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, JAMES POTTER, of Portland, in the county of Cumberland, and State of Maine, have invented a new and useful Improved Bed; and I hereby declare the following to be a full, clear, and exact description thereof, which will enable others to make and use my invention, reference being had to the accompanying drawings, forming part of this specification, in which is shown a plan of my invention, and details of the different portions thereof.

A shows the plan; B, a spring-slat; *a*, the springs on said slat; *b*, one method of connecting the spring with the end of the slat at *b'*; *c*, another method of connecting the springs with a slat, *c'*; *d* is a third method of connecting the spring with the slat *d'*; *e* is a bottom view of *a*; *h* shows the form and structure of the springs uniting the slats with the frame D, and the manner of attaching the springs to the frame.

The springs are formed by coiling a piece of doubled wire so that the whole end *i* is within or between the two sets of coils, and the separate ends *j j* outside of the coils. The whole end *i* is then inserted into a groove or channel, *k*, made by a circular saw, in the frame D. Through the frame D, and into the loop, formed by the doubled end *i* of the wire, is then inserted the screw or pin *l*. The detail *d* shows this clearly in section.

I employ any one of three methods for securing the wires to the slats:

First, as seen at *b*, in detail, by so bending the wire that the ends shall be one a little above the other, (see *m m*.) By pressing 1 2 towards each other, the two ends *m m* will separate, so that they can be inserted into recesses *m' m'*, and then the expansion of 1 2, when the pressure is removed, will secure and hold *m m* therein. *b*, in the plan, shows this. All of the springs have the looped or double end *i* and the coils *h*, and are fastened into the frame D, as before described.

Another method of securing the wires in the slats is shown in the detail *c*. The hooks *j j*, fitting into the slot or recess *n*, and then expanding by the spring of the wire, are held therein. *c*, in the plan, shows this.

A third method is shown in the detail *d*, where the two ends *o o* are held by the pins or screws *r*, one on each side of the slot. *d*, in the plan, shows this.

Another part of my invention relates to a peculiarly-formed slat, B, having springs fitted into the same, as at *a* in the plan, and *e* in the detail, which is, as before specified, a bottom view. These springs form a sort of joint to the slat, and increase its elasticity and enable it to yield, and thus make the bed softer than in the case of a whole slat. *e* shows the method of attachment, and the detail *a* is a side view of the same.

The slat thus made can be used with either of the springs before described, and can be put either lengthwise or crosswise of the bed.

The frame, in which the slats and springs are used, is constructed so as to fold up. By removing the slats, D D will fold backward upon each other, by means of the hinges *s s* in the bars *s' s'*. These bars being pivoted at *t* to the frame D, will then, when thus doubled, fold over upon each other, as seen at H. This renders the bed a very cheap one for transportation, as it will occupy but a slight space. This bed may be used in any ordinary bedstead.

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

1. The spring, as shown at *b*, in connection with the recesses *m' m'*, in the slat *b'*, as and for the purposes set forth.
2. The spring-joints *a*, in the slat B, as and for the described purposes.
3. In combination with a bed-slat, removable by means of the spring *b*, the arrangement of pivots *t* and hinges *s*, as and for the purposes described.

JAMES POTTER.

Witnesses.

WM. HENRY CLIFFORD,
WM. FRANK SEAVEY.