

(No Model.)

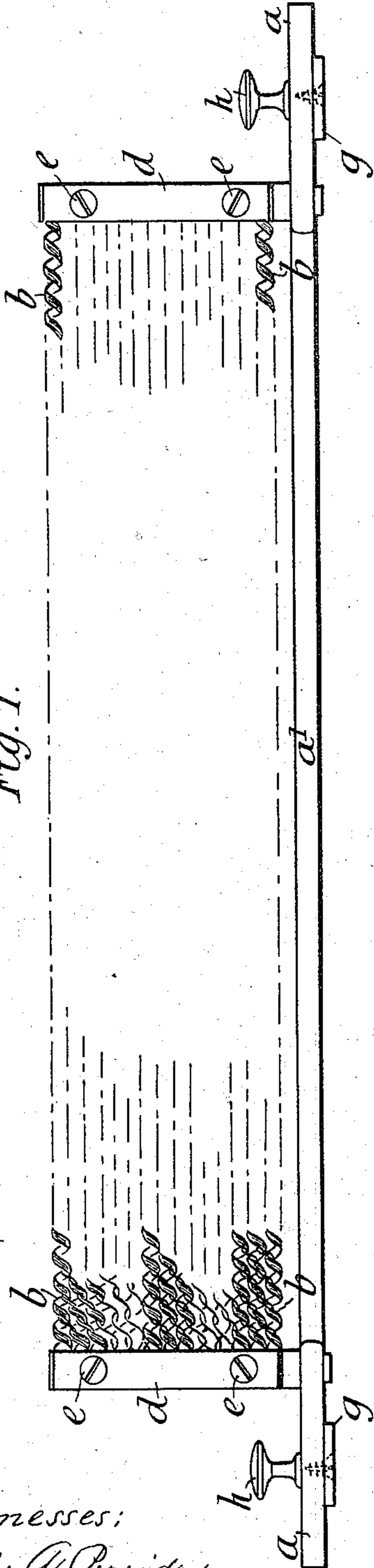
3 Sheets—Sheet 1.

A. J. ROBINSON.  
BED SUPPORT.

No. 559,218.

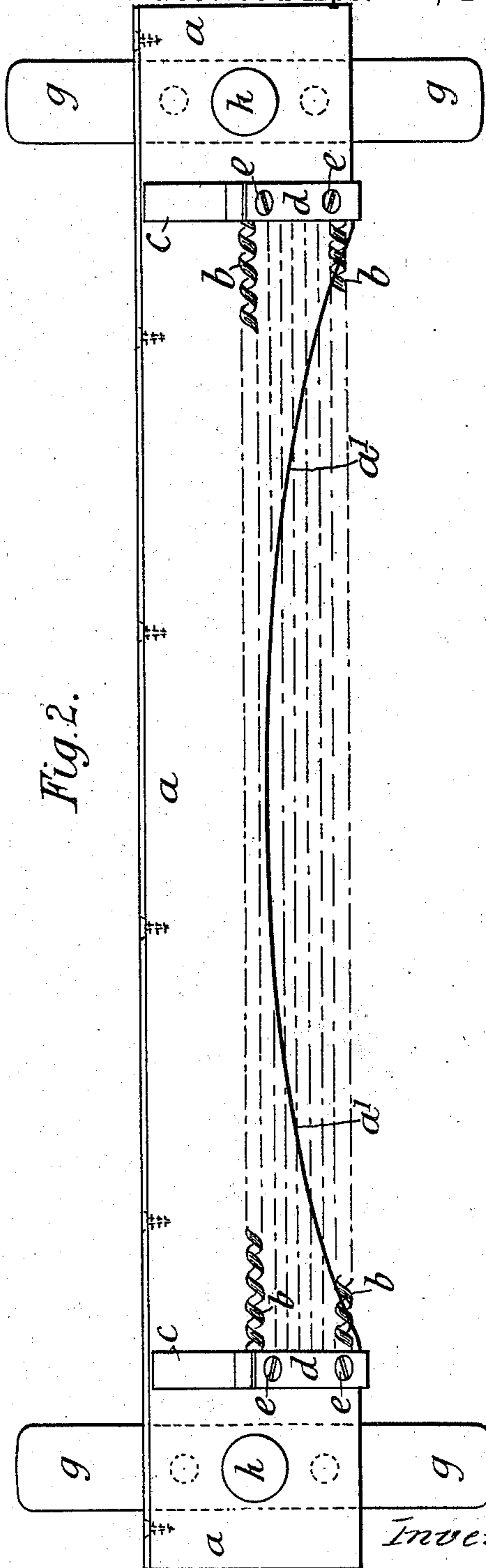
Patented Apr. 28, 1896.

Fig. 1.



Witnesses:  
Eugenie A. Perrier.  
S. W. G. Eisenbraun

Fig. 2.



Inventor:  
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by A. J. Robinson  
Att'y.

(No Model.)

3 Sheets—Sheet 2.

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Fig. 3.

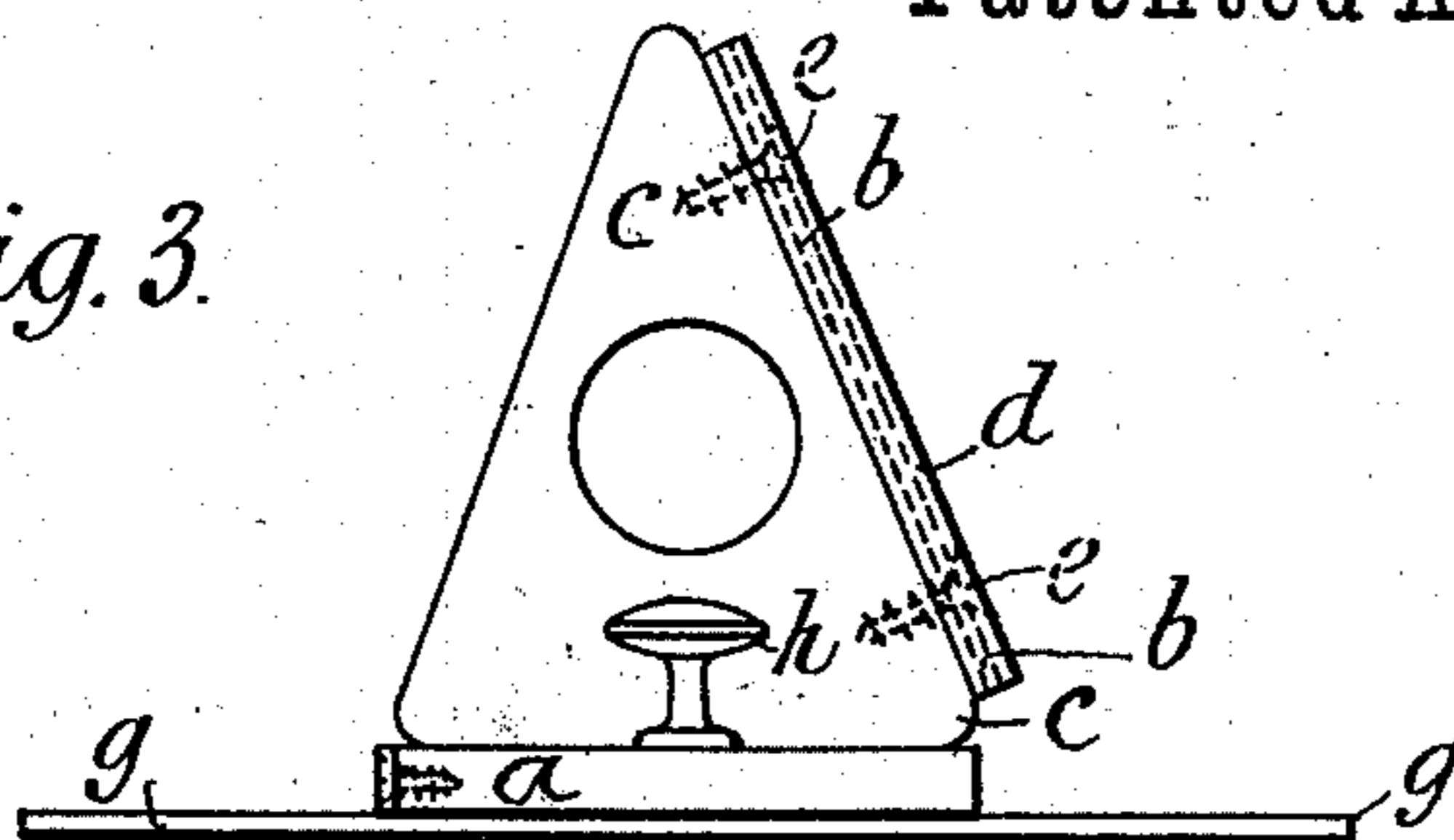


Fig. 6.

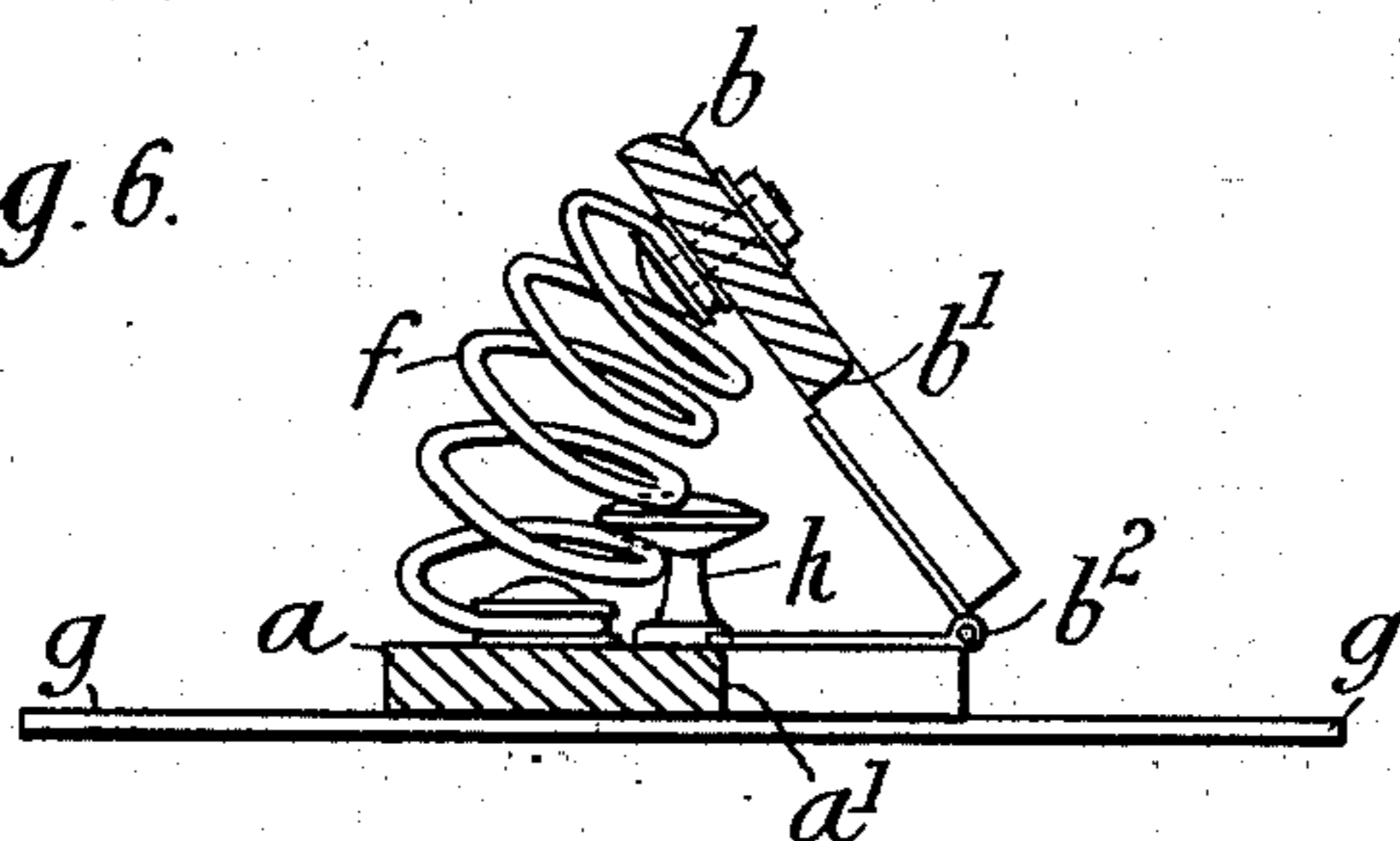
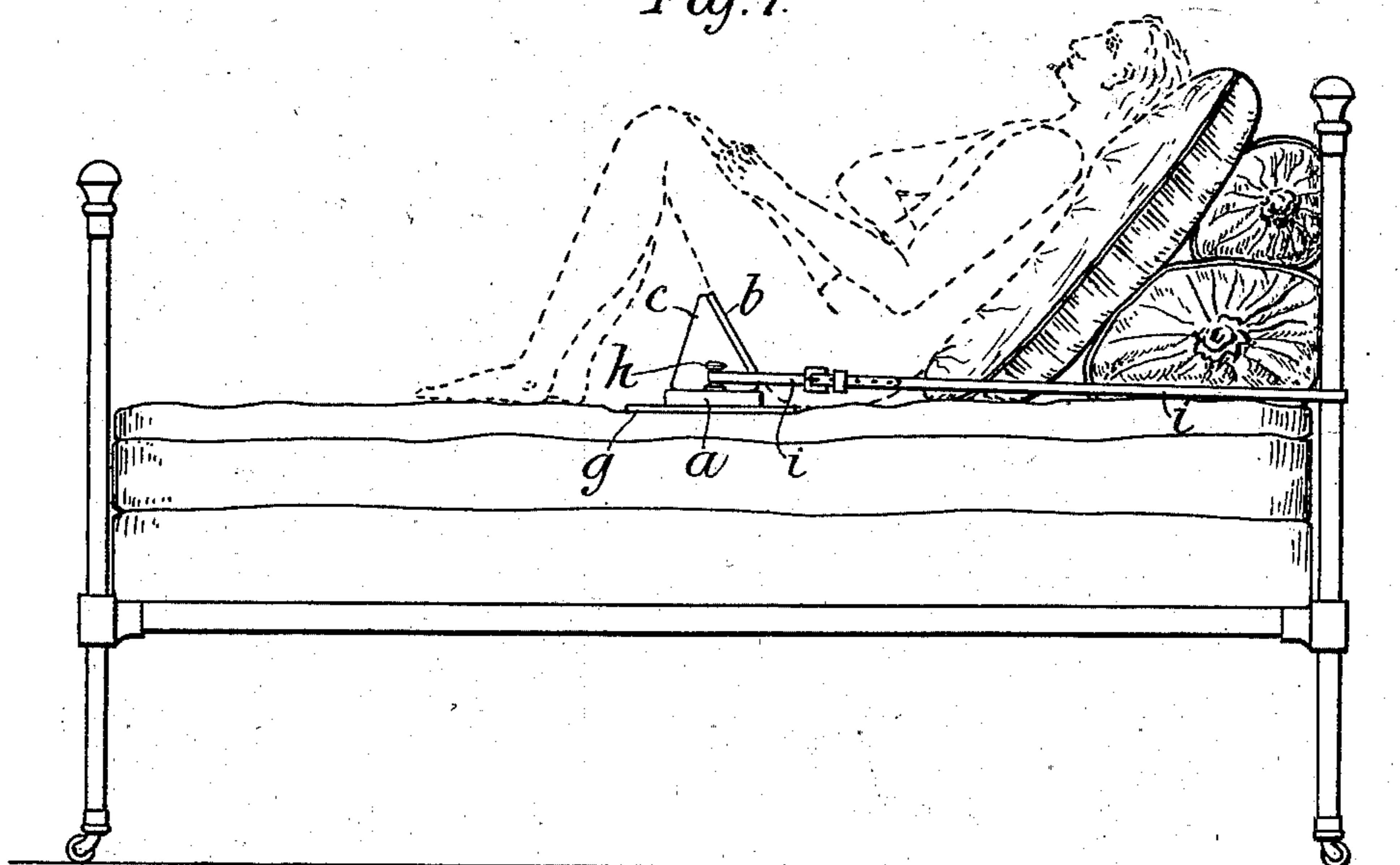


Fig. 7.



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(No Model.)

3 Sheets—Sheet 3.

A. J. ROBINSON.  
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Patented Apr. 28, 1896.

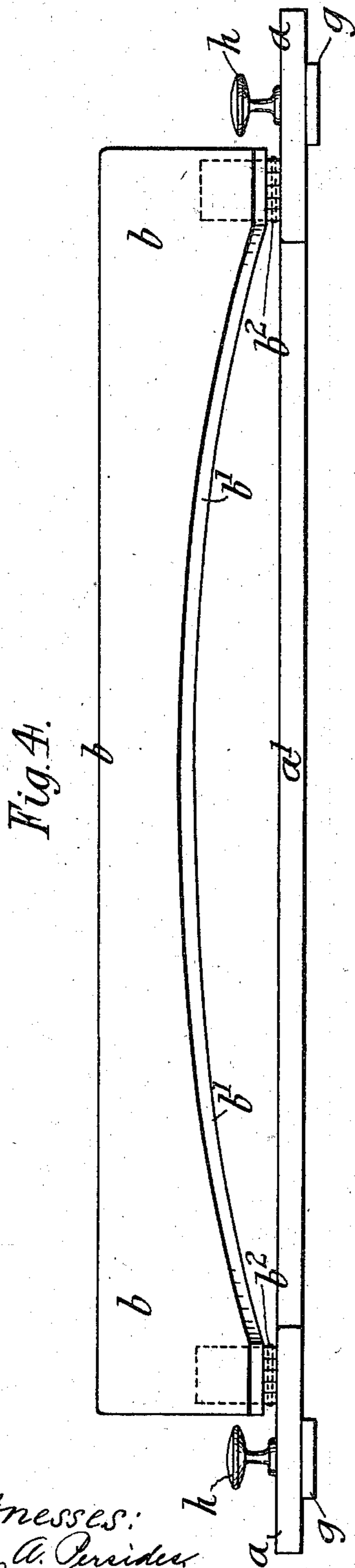


Fig. 4.

Witnesses: h.  
 Eugenie A. Persides  
 S. W. G. Eisenbaum

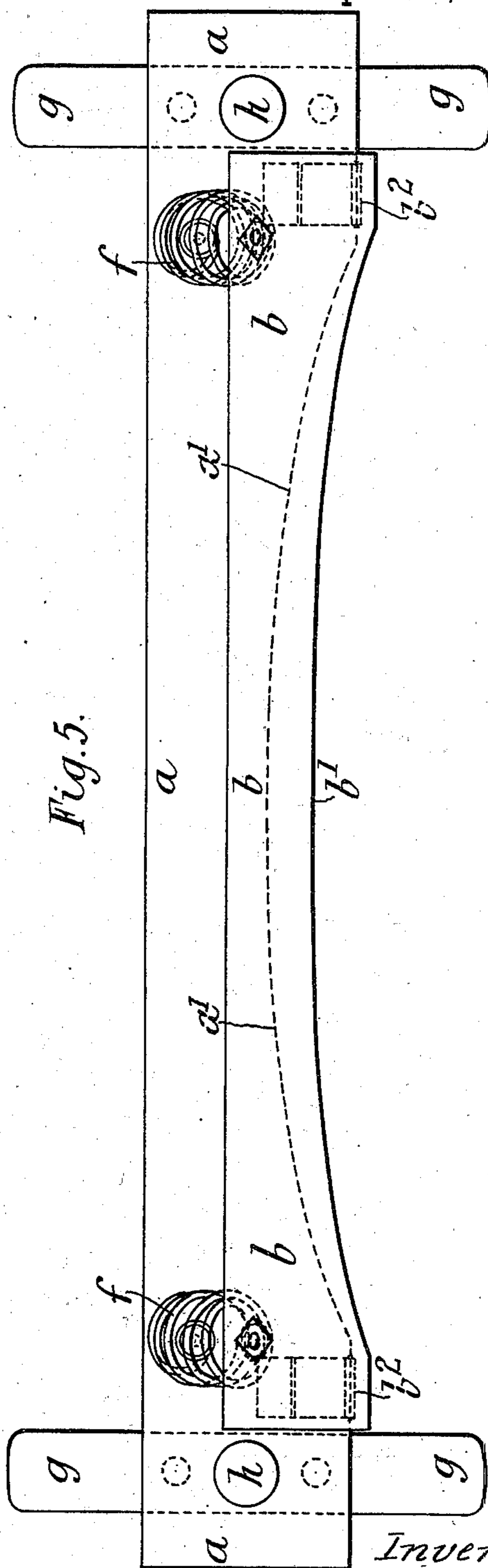


Fig. 5.

Inventor:  
Amy Julia Robinson,  
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# UNITED STATES PATENT OFFICE.

AMY JULIA ROBINSON, OF BIRMINGHAM, ENGLAND.

## BED-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 559,218, dated April 28, 1896.

Application filed February 11, 1896. Serial No. 578,833. (No model.) Patented in England May 10, 1895, No. 9,308.

*To all whom it may concern:*

Be it known that I, AMY JULIA ROBINSON, a subject of the Queen of Great Britain, residing at Birmingham, in the county of Warwick, England, have invented a new or Improved Bed-Support, (for which I have obtained a patent in Great Britain, No. 9,308, bearing date May 10, 1895,) of which the following is a specification.

The invention has for its object a new or improved bed-support, to be used when a patient is resting in a reclining, inclined, or sitting position, and forms a means of preventing said patient from slipping down in the bed, and thus obviates the difficulty heretofore experienced in replacing the patient in a comfortable position after having slipped down in the bed.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation, Fig. 2 a plan, and Fig. 3 an end view, of a bed-support constructed according to my invention. Fig. 4 is a front elevation, Fig. 5 a plan, and Fig. 6 a cross-section, of a modified construction of my bed-support; and Fig. 7 is a side elevation of a bedstead, showing the method of using and adjusting my bed-support.

In all the figures like parts are indicated by similar letters of reference.

$a$  is a base-plate or foundation, which may be of wood or other suitable material, one side of which is shaped or partly cut away, as shown at  $a'$ , Figs. 2 and 5, so as to avoid interference with the patient's comfort. To this base or foundation and at a suitable inclination thereto I attach a support  $b$ , which may present a fixed surface, but which I prefer to make somewhat resilient or yielding.

In the form of my invention represented at Figs. 1, 2, and 3 the support  $b$  is formed of a band or web of galvanized, coiled, or woven wire webbing, which is fixed to and stretched between brackets or carriers  $c$ , fixed to the base or foundation  $a$ , and preferably of triangular shape and arranged to obtain the desired angle for the support  $b$ , attached to one face of such triangular brackets  $c$  and firmly secured thereto by means of a flat pressure-bar  $d$  and countersunk screws  $e$ . The coiled or woven wire band or web-support  $b$  is pref-

erably covered with cloth, flannel, or other suitable material, or I may use india-rubber or other elastic band or web instead of the aforesaid coiled or woven wire band or web, and I may even use a rigid board, which latter would, however, preferably be provided with a suitably cushioned or upholstered supporting-surface. When using a flexible or elastic material to form the support  $b$ , means may, if desired, be provided whereby the tension thereof can be regulated.

In the modification of my invention represented at Figs. 4, 5, and 6 the support  $b$  is formed of wood or other rigid material hollowed out at the lower edge  $b'$  of the front thereof for greater convenience and comfort. In this case the support  $b$  is hinged at  $b^2$  to the base or foundation  $a$ , and it is supported at the back by springs  $f$ , fixed thereto and to the base or foundation  $a$ . The support  $b$  may also in this case be cushioned or upholstered in any desired manner. When the base or foundation  $a$  is not of itself wide enough to insure against tipping over in the bed, I fix at or near the ends thereof bars  $g$ , preferably by means of countersunk screws. I also provide the base or foundation  $a$ , at or near its ends, with means  $h$ , preferably consisting of studs, hooks, or buttons, whereby straps  $i$  (see Fig. 7) or bands or other suitable connecting means may be fixed thereto and thus enable the support to be fixed to the head of the bedstead by such straps or other connecting means for the purpose of keeping the support in its correct position—that is to say, to prevent it slipping down in the bed.

Fig. 7 illustrates the manner in which my improved bed-support is used, as also the method of adjusting it in position by the straps  $i$ . It is obvious that by the use of my improved bed-support the patient or invalid will derive great comfort, while at the same time much trouble to both the patient and attendant is prevented.

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

1. A bed-support for patients, invalids and others, consisting of a base or foundation, a support attached thereto at the desired angle, and means of attachment fixed to the base or

foundation to enable the bed-support to be attached to the head of a bedstead, substantially as herein shown and described.

2. A bed-support for patients, invalids and  
5 others, consisting of a base or foundation hollowed out at the front, a yielding support attached to the base or foundation, and means for attaching the bed-support to the head of  
10 a bedstead, substantially as herein shown and described.

3. A bed-support for patients, invalids and others, consisting of a base or foundation,

steadying-bars fixed at or near the ends of said base or foundation, a support attached to the base or foundation at the desired angle, 15 and means whereby the bed-support may be attached to the head of the bedstead and adjusted to the desired position, substantially as herein shown and described.

AMY JULIA ROBINSON.

Witnesses:

CHARLES MACKINTOSH,  
S. CRAUSAR.