

No. 719,631.

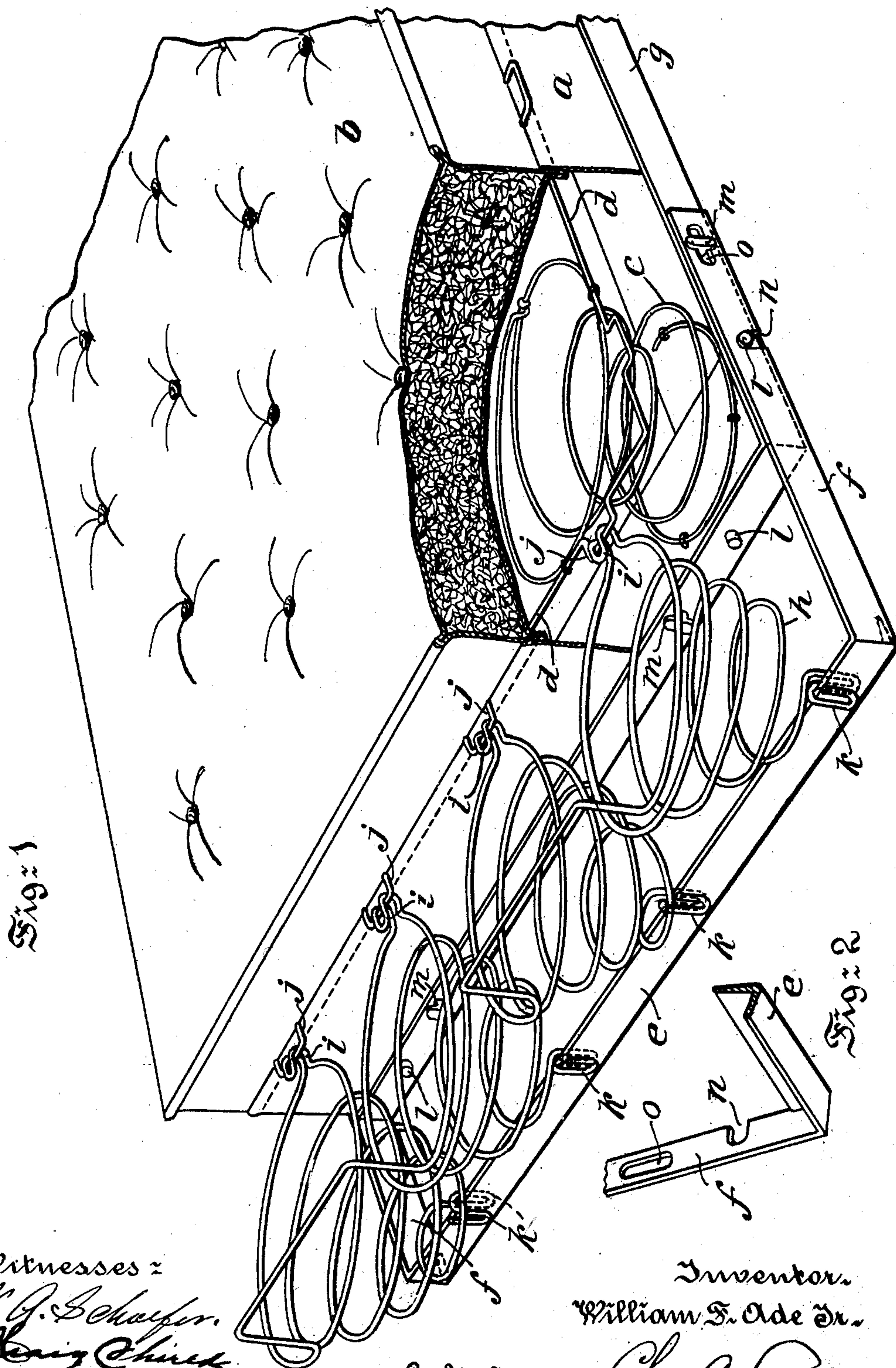
PATENTED FEB. 3, 1903.

W. F. ADE, JR.

SPRING BED.

APPLICATION FILED AUG. 23, 1902.

NO MODEL.



Witnesses:
W. G. Schaefer.
J. C. Chubb.

Inventor.
William F. Ade Jr.

By his Attorney Chas. A. Patten.

UNITED STATES PATENT OFFICE.

WILLIAM F. ADE, JR., OF WILLIAMSPORT, PENNSYLVANIA.

SPRING-BED.

SPECIFICATION forming part of Letters Patent No. 719,631, dated February 3, 1903.

Application filed August 23, 1902. Serial No. 120,759. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM F. ADE, Jr., a citizen of the United States, and a resident of Williamsport, in the county of Lycoming, State of Pennsylvania, have invented certain new and useful Improvements in Spring-Beds, of which the following is a specification.

My invention relates to improvements in spring-beds, and more particularly to improvements in the spring-bed for which Letters Patent of the United States were issued to me on August 14, 1900, No. 655,893, and on November 5, 1901, No. 685,898; and the object of my invention is to furnish an improved form of removable head or foot piece and an improved means for securing the springs to the frame of the head or foot piece and to the main body of the mattress.

In the accompanying drawings, forming part of this specification, Figure 1 is a perspective view of one end of a mattress furnished with my improved head or foot piece, part of one corner of the mattress being broken away to show its interior; and Fig. 2, a perspective view of one end of the extension-frame.

a is a spring-mattress adapted to carry upon its top a hair or stuffed mattress *b*, which may be either permanently or removably secured to the mattress *a*.

c is one of the helical springs of the mattress *a*; *d*, a wire running around the top of mattress *a* and suitably secured to the tops of the outer rows of springs *c*.

The mattresses *a* and *b* are preferably square, each of their sides being equal in length to the breadth of the bed, so that they may be turned in the bed, as is usual, to prevent their being worn in one place.

A bed of this kind is longer than wide, and in order to supply the necessary length I make use of my removable head or foot piece, which, it will be understood, may be secured to both or either the head or foot of the mattress. The head or foot piece consists of a piece of metal *e*, preferably of angle-iron, the ends *f* of which are bent at right angles to the body and removably secured to the base *g* of the frame of the mattress *a*.

h represents springs, the bases of which are carried by the frame *e* and the upper portions of which are bent to form hooks *i*, which are adapted to engage with eyes *j*, carried by or forming part of the wire *d*, carried by the upper ends of the outer rows of the springs *c* of the mattress *a*. The lower ends of the springs *h* are bent to form a bifurcated clip *k*, which is adapted to be pushed down over the frame *e*, as shown in Fig. 1, to form a solid bearing and seat for the spring. The arms of the frame *e* are distant from one another a space equal to the width of the mattress *a*, which is, as has been stated, square.

Upon the sides of the lower frame *g* of mattress *a* are two pins *l m*, preferably headed, as shown. The pin *m* is adapted to pass through a slot *o*, formed in the arm *f* near its end, and the pin *l* is adapted to pass through a notch *n*, formed in this arm. When the frame *e* is lowered, the pins *l m* hold it securely in place. If the frame be moved into a vertical position, it can be removed from the mattress, but not otherwise. The portion *e* of the removable frame has an angle shape, as shown, so that it will be stiff and free from movement toward or away from the mattress.

Upon each side of each corner of the mattress *a* are pins *l m*, so that any side of this mattress may be turned to the head or foot of the bed, it being only necessary to remove the frame *e* and springs *h* from one side and to attach them to the other side to change the position of the mattress.

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

1. In combination, a substantially square mattress, pins secured to each side of each corner of the base of the mattress, a metallic frame adapted to be removably secured to said mattress by said pins, springs the under ends of which are furnished with clips adapted to be secured to the outer end of said frame and the upper portions of which are bent to form hooks, and eyes carried by the upper portion of the mattress adapted to be engaged by said hooks.

2. In combination, a substantially square
spring-mattress, a wire, passing around the
upper edge of said mattress, bent to form
hooks, an extension-frame removably carried
5 by the sides of the base of said mattress, and
springs the lower ends of which are carried
by said frame and the upper ends of which

are bent to form hooks adapted to engage
with the eyes formed in the wire carried by
the upper end of the mattress.

WILLIAM F. ADE, JR.

Witnesses:

GEO. W. SELTZER,

CHARLES A. RUTTER.