

A. SPIEGEL.
Sofa-Bed.

No. 167,279.

Patented Aug. 31, 1875.

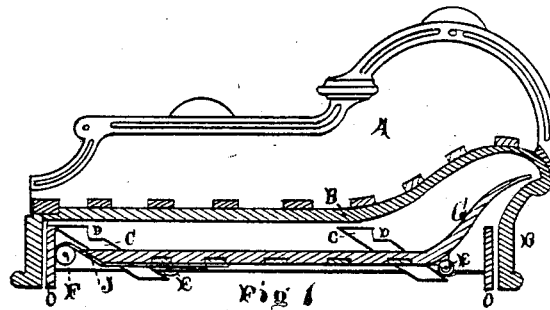
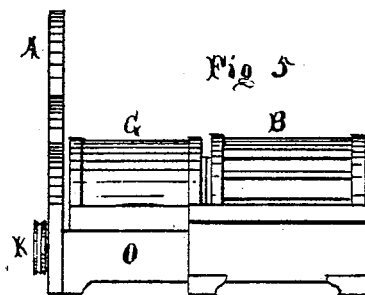
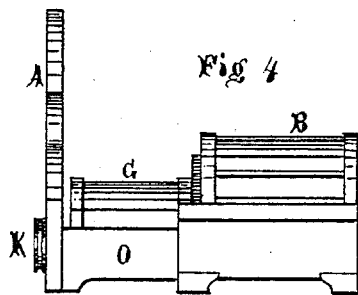
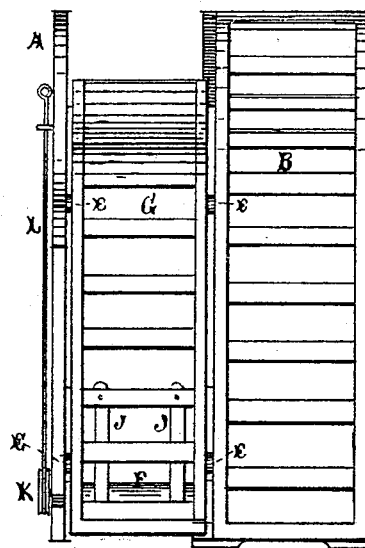
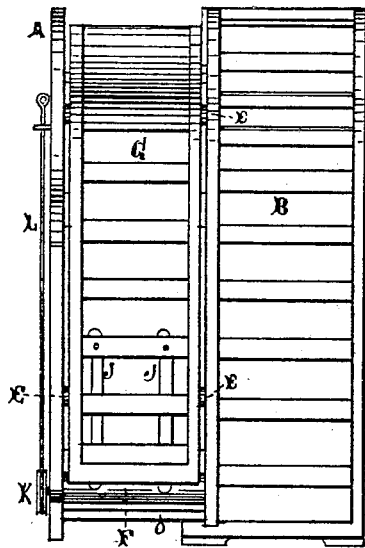


Fig. 2

Fig. 3



Witnesses:

George Smith
E. O. Smith

Inventor,

Augustus Spiegel

UNITED STATES PATENT OFFICE.

AUGUSTUS SPIEGEL, OF INDIANAPOLIS, INDIANA.

IMPROVEMENT IN SOFA-BEDS.

Specification forming part of Letters Patent No. **167,279**, dated August 31, 1875; application filed February 24, 1875.

To all whom it may concern:

Be it known that I, AUGUSTUS SPIEGEL, of Indianapolis, in the county of Marion, State of Indiana, have invented an Improved Sofa-Bed, of which the following is a specification:

The object of my invention is to form a sofa-bed of two sections, one under the other, in such a manner that when the upper section is drawn forward, the lower section can be raised by rollers working on inclined planes, which is accomplished by drawing on a cord at the back of the bed, which is coiled around a sheave, and causes the rollers under the lower section of the bed to wind up the straps attached to the roller, and to the bottom of the lower section of the bed, and elevate it into its place on the top of the inclined planes.

Figure 1 represents a front sectional view of the two sections of the bed closed up, embodying my improvement. Fig. 2 is a top view of the same with the upper section drawn forward. Fig. 3 is a top view of the same with the lower section elevated. Fig. 4 is an end view of Fig. 2. Fig. 5 is an view of Fig. 3.

A represents the back of the sofa-bed with the cross-bars O O secured thereto. B is the bed proper, or upper section, and is entirely separate from the lower section of the bed G and the back A. It slides over the top of section G, and has stops on it to prevent pulling the two apart, unless so wanted. The section G of the bed sets in the frame O O, and has four rollers, E E E E, on the lower part. These rollers rest on the inclined planes C C C C, and, when elevated, each roller rests in the stops D D at the top of the inclined planes. At the foot of the lower section of the bed G are secured one or more straps, J J, one end be-

ing attached to the slats of the section G, and the other end to the roller F. This roller is actuated by the sheave K at the rear of the bed and the cord L.

The operation of my improved sofa-bed is as follows: Draw the upper section B of the bed away from the back A, until the stops underneath stop it; then pull on the cord L, which will impart its motion to the sheave K and roller F, and wind up the straps J J, which causes the section G of the bed to move up the inclined planes C C, until the section G is at its proper height, when the rollers E E E E rest in the stops D D D D, and the section G of the bed is securely elevated.

To lower the section G of the bed, all that is necessary is to push it toward the head, and the section G will slide down the inclined planes C C C C, and the upper section of the bed B can be pushed back and form only a sofa.

I do not, broadly, claim the elevation of the lower section of the bed, as that is old.

What I claim as new, and wish to secure by Letters Patent, is—

The combination of the lower section G of the bed, provided with the rollers E E E E, the inclined planes C C C C, provided with stops D D at the top, the straps J J, the roller F, the sheave K, and the cord L, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

AUGUSTUS SPIEGEL.

Witnesses:

GEORGE SMITH,
E. O. FRINK.