

W. P. & D. A. GREEN & J. W. WILLIAMSON.

CABINET-BED.

No. 192,621.

Patented July 3, 1877.

Fig. 1.

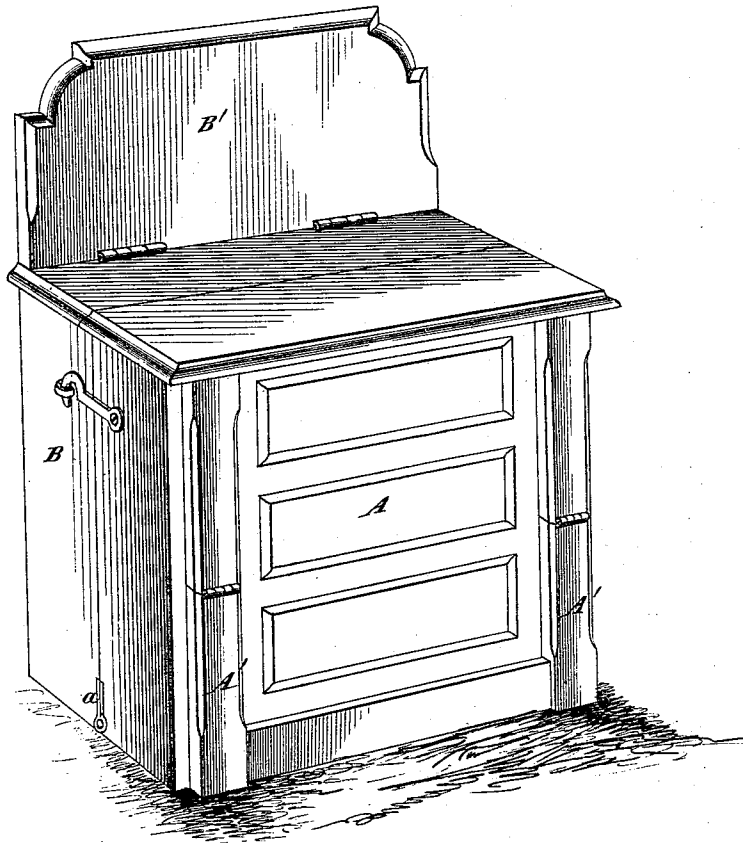
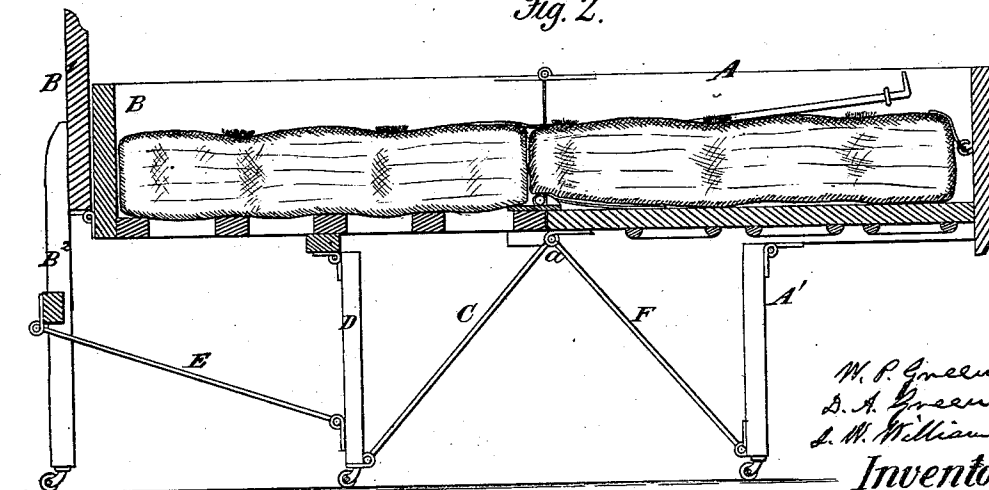


Fig. 2.



Witnesses.
H. Ruppert.
Geo. G. Mason.

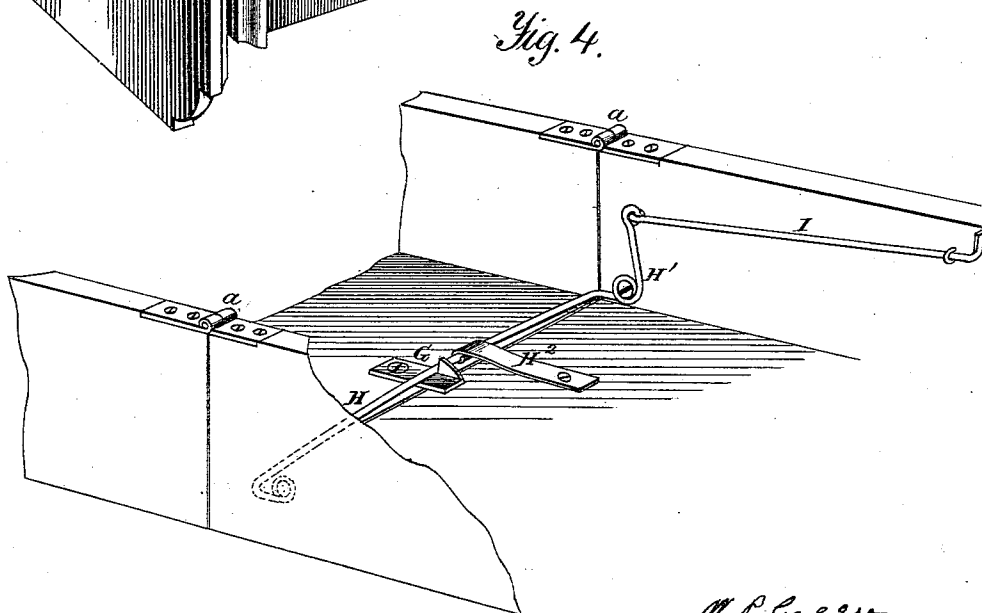
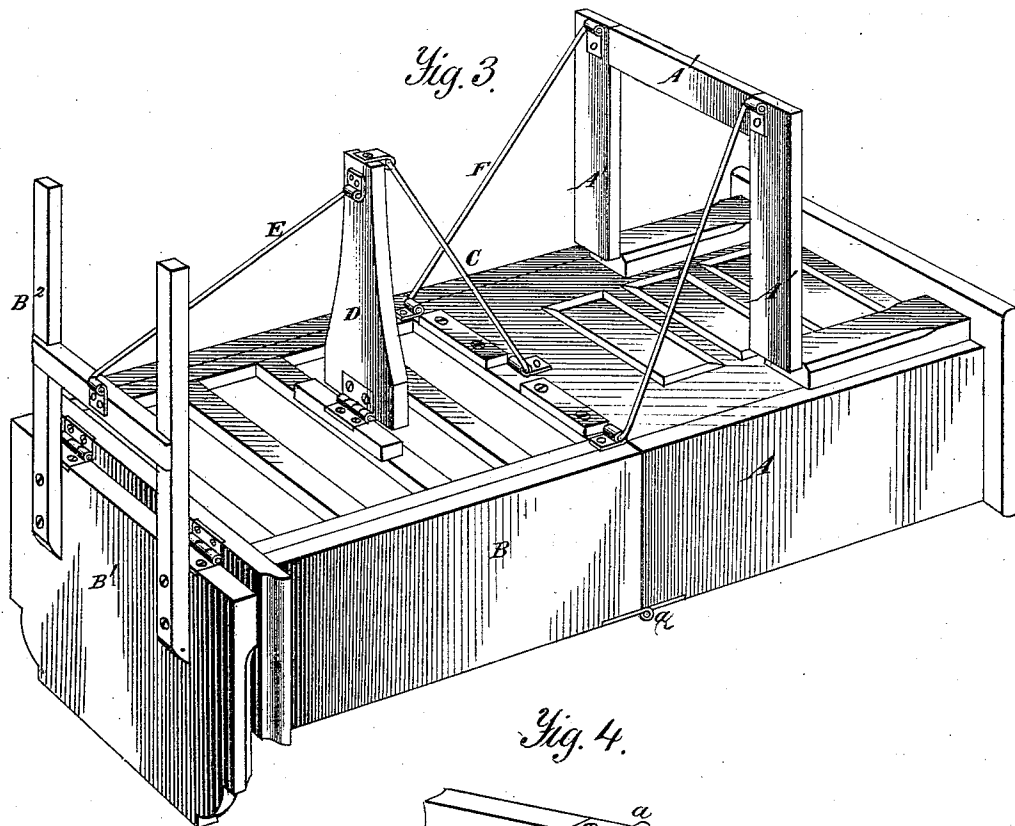
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UNITED STATES PATENT OFFICE.

WILLIAM P. GREEN, DAVID A. GREEN, AND JAMES W. WILLIAMSON, OF
RUSHVILLE, INDIANA.

IMPROVEMENT IN CABINET-BEDS.

Specification forming part of Letters Patent No. 192,621, dated July 3, 1877; application filed April 2, 1877.

To all whom it may concern:

Be it known that we, WILLIAM P. GREEN, DAVID A. GREEN, and JAMES W. WILLIAMSON, of Rushville, in the county of Rush and State of Indiana, have invented a new and useful Improvement in Cabinet-Beds, of which the following is a specification:

The object of our invention is to make a folding bed which may be extended to form a bed or folded up into a compact box, which may have the outside appearance of a bureau, sideboard, dressing-case, or other analogous article of furniture. It consists of a rectangular case, made in two parts, hinged together at the bottom, and having hinged attachments and rods by which the bed is supported when extended, in a manner to be explained.

In the annexed drawing, making part of this specification, Figure 1 is a perspective view of the cabinet closed. Fig. 2 is a vertical longitudinal section of the bed extended. Fig. 3 is a perspective view of the bed extended and turned bottom side up; and Fig. 4 is a perspective view of the bottom of the open bed, showing the means of locking it.

The same letters are employed in all the figures in the indication of identical parts.

The cabinet, whatever may be its external configuration, is made in two equal, or unequal, sections, A and B, connected by hinges at *a*, so that the box may be folded down, and the sections lie end to end. On the front of section A are moldings A', the lower sections of which are detached and united to the top by hinges, so as to permit their being turned out to form one set of legs, as shown in Figs. 2 and 3. The back B¹ is also attached to the section B by hinges, permitting it to fold against the top of section B, as shown in the same figures. To the back, and concealed behind the cabinet, when folded up, are fastened legs B², which support the other end of the bed when extended. The legs are braced as follows: A rod, C, is hinged to the lower corner of section A and to a leg, D,

hinged to the back of section B, as shown. Another rod, E, extends from the lower end of leg D to cross-brace of legs B². Other rods, F, are hinged to the lower corner of section B, and extended to the lower ends of the legs formed by the hinged sections of the moldings A'.

The parts, when the bed is extended, are locked. This may be done by means of various devices, one of which is shown, consisting of a rod, H, bent at the ends, and formed with arms attached by round pins, on which they are hinged on each side. An arm, H¹, extends upward, and is connected to a rod, I, which passes diagonally along the side, and terminates with a handle in convenient reach without moving the mattress. A spring, H², bears down upon the rod H, and when the bed is extended holds it on the hook G, and prevents the joint from giving way.

The bed is operated as follows: The mattress is hinged, and made to fill the interior of the cabinet. The latter, being closed, is unhooked, and the sections A and B drawn apart at the top, turning on the hinges *a*. The rod C pushes out the leg D as the section B descends, and the rod E causes the top piece B¹ to swing on its hinges, and the legs B² to be brought into position to support one end of the bed. At the same time rods F push out the legs A', and when the sections are extended the rod H springs over the hook G, and holds them in that position, the rods F, C, and E serving as braces for the legs, when the sections are extended, and making the legs self-adjusting in folding and unfolding the sections. It is only necessary to release the lock H G to fold the sections up, the rods bringing the legs all back into their proper position.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. In combination with the sections A B of a cabinet-bed, the legs A', D, and B², hinged thereto, and rods E, C, and F, for automatically adjusting the legs as the sections

are folded and unfolded, substantially as set forth.

2. In combination with the sections A and B, the locking-rods H H¹ I and spring H² and catch G, for fastening the sections when extended, and permitting their disengagement without disturbing the mattress, substantially as set forth.

In testimony whereof we have signed our

names to this specification in the presence of two subscribing witnesses.

WILLIAM P. GREEN.

DAVID A. GREEN.

JAMES W. WILLIAMSON.

Witnesses:

ELIHU W. SHRODER,

SAMUEL W. McMAHAN.