F. B. WERSEL, Jr.

SOFA BED.

APPLICATION FILED APR. 5, 1911.

1,017,937.

Patented Feb. 20, 1912.

2 SHEETS—SHEET 1.

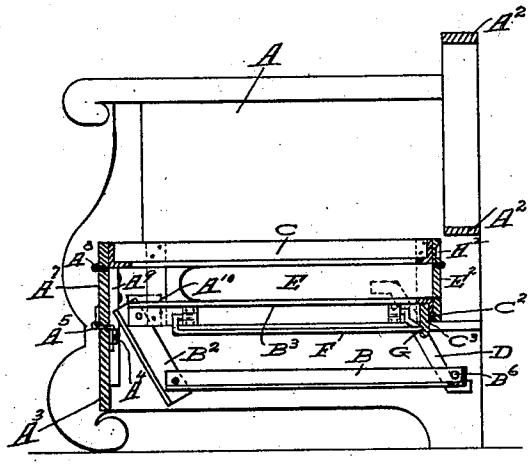

Fig. 1.

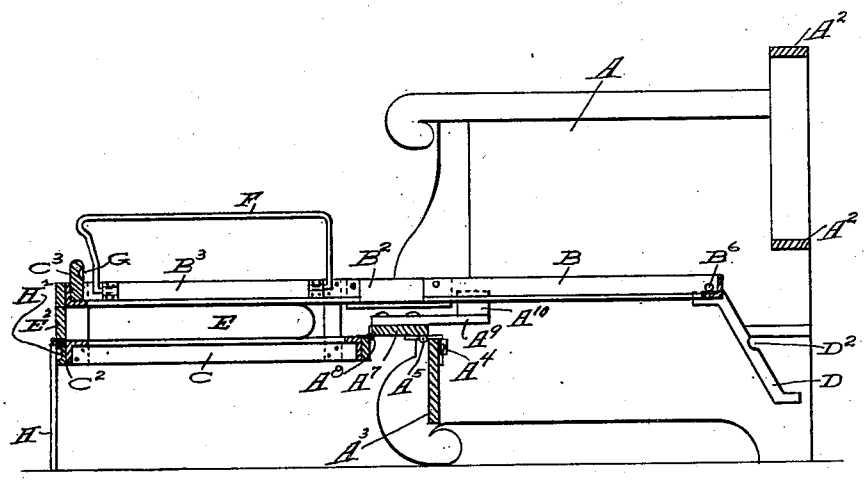

Fig. 2.

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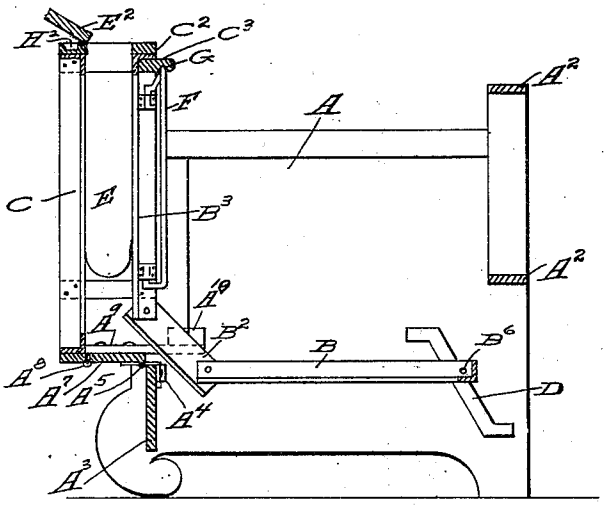

Fig. 3.

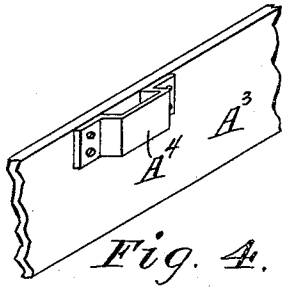

Fig. 4.

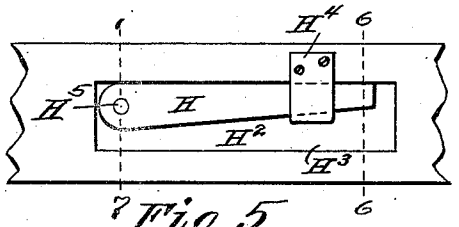

Fig. 5.

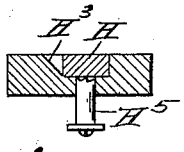

Fig. 7.

Fig. 8.

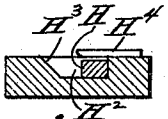

Fig. 6

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UNITED STATES PATENT OFFICE.

FRANK BERNARD WERSEL, JR., OF MOUNT LOOKOUT, OHIO.

SOFA-BED.

1,017,937. Specification of Letters Patent. Patented Feb. 20, 1912.

Application filed April 5, 1911. Serial No. 619,137.

To all whom it may concern:

Be it known that I, FRANK BERNARD WERSEL, Jr., a citizen of the United States of America, and resident of 3439 Linwood avenue, Mount Lookout, in the county of Hamilton and State of Ohio, (post-office address, Nos. 1104 to 1112 Kenner street, Cincinnati, in the county of Hamilton and State of Ohio,) have invented certain new and useful Improvements in Sofa-Beds; and I do hereby declare the following to be a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

My invention relates to sofa beds and it has for its object the improvement in construction of such devices whereby they are simplified and rendered more efficient in action.

The novelty of my invention consists in the combination and subcombination of the parts as will be hereinafter set forth and specifically pointed out in the claim.

In the drawings Figure —1— is a transverse vertical section through the device when in its davenport form. Fig. —2— is a transverse vertical section when the davenport has been opened for a bed. Fig. —3— is a transverse vertical section when receptacle for clothing is in a position for removing or placing bed clothing in same. Fig. —4— is an enlarged perspective view showing clip for engaging hinge. Fig. —5— is a front view of leg in recess. Fig. —6— is a section on line 6, 6 of Fig. —5. Fig —7— is a section on line 7, 7 of Fig. —5. Fig. 8 is a detail view of one of the supporting pins.

A represents similar end standards (only one of which is shown) of my sofa bed or davenport, said end standards being preferably joined together by the top back longitudinal members A^2—A^2 and the front rail A^3. The frame work for the bed consists of the angle iron pieces B, B^2, B^3 which are hinged together and attached to the frame work of the davenport C at C^2. The end standards A have inclines D attached to them for guiding the rear end of angle iron B when changing from a davenport to a bed or vice versa. About half way up this incline is a notch D^2, in which the catch B^6 catches holding the different parts of the davenport in the position shown in Fig. —3—, making it more convenient to take from or place bed clothing in the receptacle E, this receptacle can be made of most any kind of material but I prefer cloth. The receptacle E is provided with a door E^2. Hinged to B^3 is head rest F, which is opened out as shown in Fig. —2— when the davenport is used as a bed, and folded and locked in position by the notch G, in the rail C^3, when used as a davenport, as shown in Fig. —1— and Fig. —3—, when davenport is partially open. This head rest F aids in holding the mattress and bed clothing in position when folding up and opening out the bed portion. Attached to the inner side of the front rail A^3 is a casing A^4 for holding the hinge A^5, by means of this casing the upholstered portion of the davenport and bed portion can be removed from the main frame. This permits of different kinds of upholstered davenports being placed in the same frame. The legs H, which hold the davenport away from the floor, fold back into the recess H^2 when the davenport is folded back into the position shown in Fig. 1. This recess H^2 is provided with an incline H^3, which forces the leg to slide out of the recess when the davenport is opened and a clip H^4 aids in holding the leg in the recess. The pivot H^5 on which the leg revolves is long enough so that the leg can have sufficient play to permit it to slide in or out as it may be in the recess H^2 or out of it. Attached to A^7 is a piece A^9, which hits against a stop A^{10}, which is secured to the end standards A. The operation of my sofa bed is as follows; when the davenport is in position shown in Fig. —1 the rear portion is grasped by the operator and raised forward causing the davenport to revolve on the hinge A^5, the angle pieces B, B^2, B^3 being pivoted together, adjust themselves to any position. The rear end of angle iron B follows up the incline D, being guided by the catch B^6 when the catch B^6 reaches the notch D^2, the door E^2 is opened the clothing removed, the door closed and the revolution on the hinge A^5, continued until the piece A^9 hits the stop A^{10}, then the frame of the davenport C continues to revolve on the hinge A^8 until the frame C, is in position shown in Fig. —2, when the legs A, fall out holding the bed in this position the rear end of B, having advanced the catch B^6 until it rests on the top of the incline D. When this operation is reversed I have the davenport form as shown in Fig. —1.

Having described my invention what I claim is,

The combination in a davenport sofa bed, of a folding bed frame, attached to the davenport, an inclined guideway attached to each end of said davenport, said guideway having a notch intermediate its ends, a supporting pin upon the rear end of said folding frame adapted to rest in said notch, all substantially as described.

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