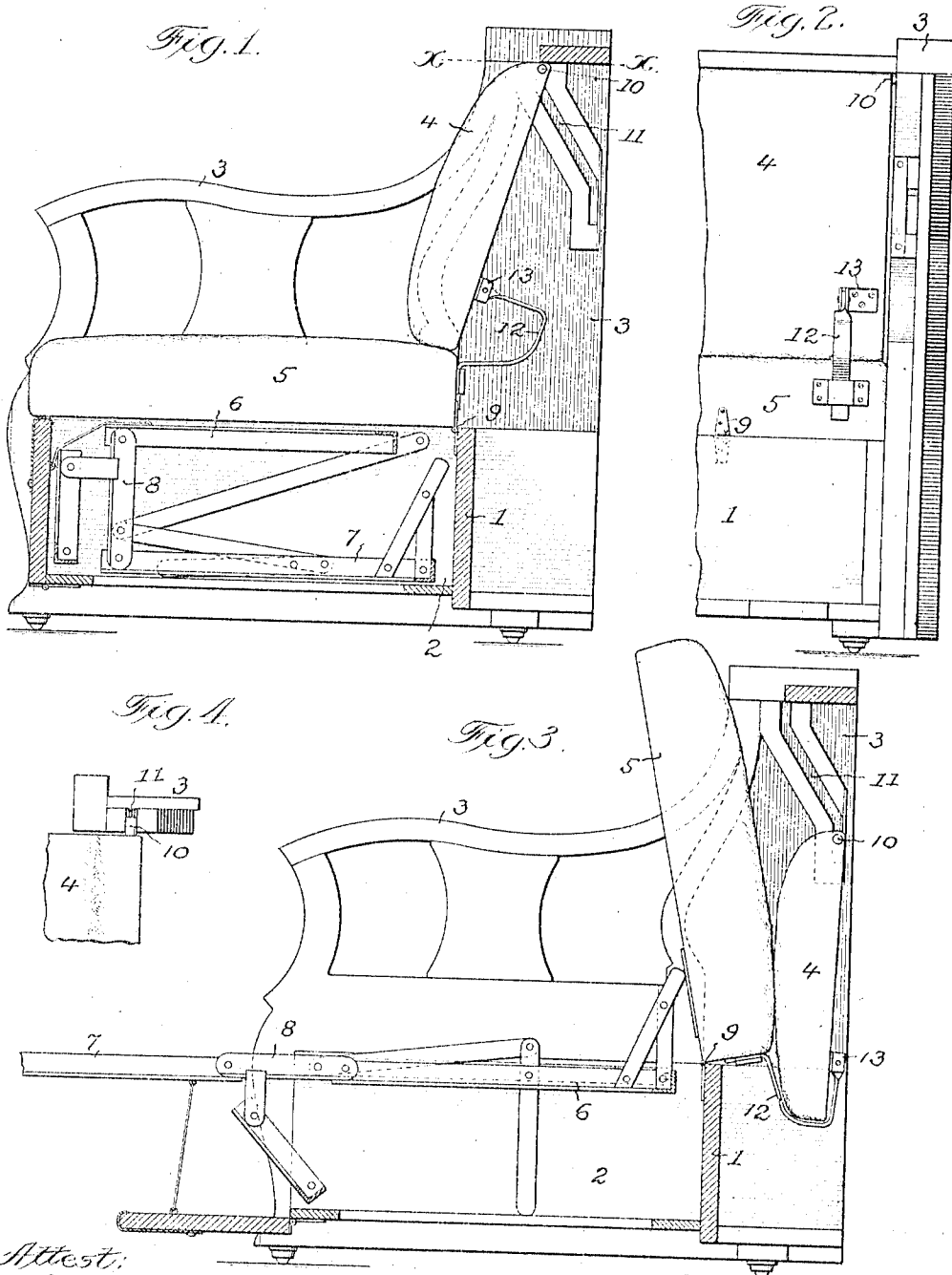


G. FISCHRUPP.
SOFA BED.

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1,012,537.

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UNITED STATES PATENT OFFICE.

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SOFA-BED.

1,012,537.

Specification of Letters Patent.

Patented Dec. 19, 1911.

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To all whom it may concern:

Be it known that I, GEORGE FISCHRUPP, a citizen of the United States of America, and a resident of Chicago, in the county of Cook, State of Illinois, have invented certain new and useful Improvements in Sofa-Beds, of which the following is a specification.

This invention relates to that class of sofa-beds in which the bed forming sections are connected together by longitudinally arranged hinge connections, so as to fold compactly together into a chamber formed therefor in the base of a sofa and with a sofa seat forming a cover for said chamber. And the present improvement has for its object to provide a simple and efficient structural arrangement and combination of parts, wherein the sofa seat and sofa back are pivotally connected together and are adapted to automatically shift backward in the opening movement of the parts to leave a clear and unobstructed space above the bed sections after the same are unfolded to provide a bed surface, all as will hereinafter more fully appear.

In the accompanying drawings:—Figure 1, is a transverse sectional elevation of a sofa-bed with the parts closed together to constitute a sofa. Fig. 2, is a rear elevation of an end of the same. Fig. 3, is a transverse sectional elevation, with the parts in an open condition to constitute a bed. Fig. 4, is a detail plan view on line *x-x*, Fig. 1. Similar reference numerals indicate like parts in the several views.

Referring to the drawings, 1 represents the main housing of the sofa-bed, and comprising a box like base portion providing a receiving chamber 2 for the folding bed sections, and upright end members 3, which in the present improvement act as guides for the soft back 4, and sofa seat 5 in their opening and closing movements, as hereinafter described in detail.

6 and 7 are the folding bed sections pivotally connected to an intermediate section 8, which in turn is pivotally attached to the end walls of the chamber 2 of the base portion of the main housing 1, as described in detail and claimed in my prior application for patent Serial No. 532,791, filed December 3, 1909.

In the present improvement the sofa seat 5 is hinged at its lower rear edge to the back wall of the chamber 2 by hinge connection

9, and in adjacent relation to said hinge connection carries the special hinge member, hereinafter described, by which the sofa seat is pivotally connected to the lower end of the sofa back 4. The back 4, in turn is attached in a sliding manner to the upright end member 3 of the frame or housing by studs 10 on the respective ends of the sofa back engaging and sliding in guide grooves 11 formed in said upright members 3, and which grooves are preferably formed with central oblique portions which end in vertical portions at top and bottom as shown in Figs. 1 and 3.

In the present improvement the pivotal connection between the sofa seat 5 and sofa back 4, above referred to, comprises a plurality of substantially U shape bars or members 12, fixedly attached at one end to the sofa seat 5, and pivotally attached at the other end to the sofa back 4 by pivot brackets 13, as shown. The U shape of the bars or members 12 aforesaid provides at the central portions thereof receiving spaces into which the lower end of the sofa back 4 can pass unhindered, as the same moves downward and rearward in the operation of changing a sofa-bed from a sofa position of the parts as illustrated in Fig. 1, to the bed position of the parts illustrated in Fig. 3.

Having thus fully described my said invention what I claim as new and desire to secure by Letters Patent, is:—

1. In a sofa-bed, the combination of a main housing, a sofa seat hinged at its rear to said housing, a sofa back having sliding engagement at its upper end with said housing and pivotally connected at its lower end with the sofa seat by a pivotal connection comprising a substantially U-shaped bar fixedly attached at one end to the sofa seat and pivotally connected at the other end to the sofa back, and adapted to provide a receiving space for the sofa back in an open condition of the sofa-bed, substantially as set forth.

2. In a sofa-bed, the combination of a main housing, a sofa seat hinged at its rear end to said housing, a sofa back having sliding engagement at its upper end with said housing by studs on said back engaging in guide grooves in the housing, said guide grooves having a middle oblique portion and vertical top and bottom portions, said sofa back being pivotally connected at its lower end with the sofa seat by a pivotal

connection comprising a substantially U shaped bar fixedly attached at one end to the sofa seat and pivotally connected at the other end to the sofa back; and adapted to
5 provide a receiving space for the sofa-back in an open condition of the sofa-bed, substantially as set forth.

Signed at Chicago, Illinois, this 25th day of April 1911.

GEORGE FISCHRUPP.

Witnesses:

ROBERT BURNS,
HENRY MOE.