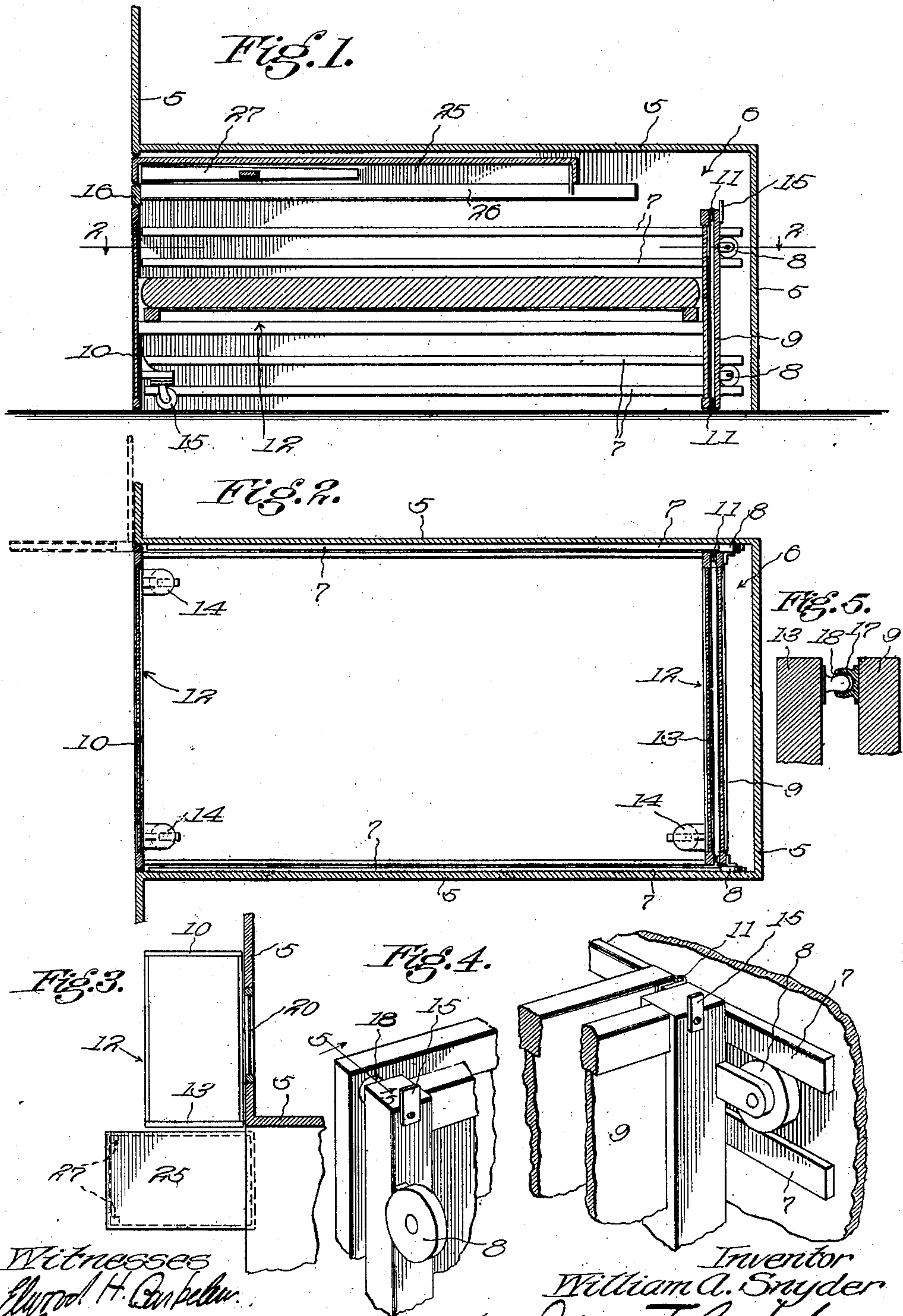


W. A. SNYDER.
FURNITURE.
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985,219.

Patented Feb. 28, 1911.



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UNITED STATES PATENT OFFICE.

WILLIAM ASHLEY SNYDER, OF LOS ANGELES, CALIFORNIA.

FURNITURE.

985,219.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM A. SNYDER, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented new and useful Improvements in Furniture, of which the following is a specification.

This invention relates to a novel form of disappearing furniture, illustrated as a disappearing bed in the present application.

The invention has special reference to the type of furniture which disappears by a motion of translation into the recess or cabinet; and the chief object of the invention is the provision of certain novel means for allowing the piece of furniture to be swung away from in front of the recess opening when once removed therefrom.

I have illustrated my invention in the form of a bed, and the advantages and conveniences of the whole invention will be described and explained with relation to that particular piece of furniture, but it will be understood that other pieces of furniture can be so constructed.

Typically, then, the invention consists of a bed frame adapted to move horizontally and longitudinally into a recess, being provided with casters or equivalent means for rolling support. To the inner end of the bed frame, which end will be termed the head, is pivotally attached at one corner a panel which is adapted to close the recess when the bed is withdrawn therefrom. The panel is movably supported so that it can be translated to the front of the recess, being preferably supported on rollers. With this panel at the front of the recess, the bed frame may be swung on one of its corners, which corner is hinged to the panel as a pivot. The bed may thus be swung to a position where its side is at right angles to the depth of the recess, clear of the front of the recess.

In apartment constructions it is desirable for two reasons that the bed should not project lengthwise into the room; the first being that it thereby encumbers more space than is necessary and more than it would encumber if its side rail is placed against the wall of the room, and second, that oftentimes the space above the bed recess is desirably utilized by other pieces of furniture whose use is convenient while the bed is in use. My invention overcomes these objections and accomplishes the corresponding desirable results

by means of the mechanism typically shown in the accompanying drawings, in which:

Figure 1 is a longitudinal vertical section of a combination embodying my invention. 60 Fig. 2 is a sectional plan of the same taken on line 2—2 of Fig. 1. Fig. 3 is a reduced plan showing the relative positions of the two pieces of furniture shown in combination in the drawings, and illustrating their positions for simultaneous use. Fig. 4 is an enlarged perspective view showing the construction and connection of the head of the bed frame and the recess closure panel. Fig. 5 is a detail section taken on line 5—5 of 70 Fig. 4.

In the drawings 5 designates the walls of the structure which are made to form a recess 6 in which my improved device is placed. On walls 5 forming the sides of recess 6 are placed rails 7 adapted to confine and guide rollers 8 mounted on recess closure panel 9. Recess closure panel 9 is adapted to move from the position shown to the front of the recess where it takes approximately the position shown in Figs. 1 and 2 for foot board 10 of the bed frame. To one vertical edge of panel 9 is hinged, as at 11, one corner of bed frame 12, head board 13 being attached directly to the panel by hinges, as is best shown in Fig. 4. The corner of the bed frame thus attached to the panel is supported by the panel. The other corners of the bed frame are supported by casters 14 of any desired type. Foot board 10 of the bed frame forms the normal closure of the recess, as is shown in Figs. 1 and 2.

When it is desired to use the bed it is pulled directly outwardly until closure panel 9 occupies a position at the front of the recess. Stops 15 on the closure panel engage with stationary rail 16 at the front of the recess and prevent further movement of the panel. The panel is moved at both edges by the bed through the medium of hinge connections 11 at one edge, and the special device shown in Figs. 4 and 5 at the other edge. This device comprises a socket 17 mounted on the edge of panel 9 and adapted to cooperate with a ball 18 mounted on head 13 of the bed frame. The ball and socket are of the usual resilient character, allowing separation when a sufficient force is exerted. In the present case this force is larger than the force necessary to pull panel 9 out of the recess, so that, on the initial

outward motion of the bed, the panel is moved therewith. When the panel has reached its forward position, the bed may then be swung around to the position indicated in dotted lines in Fig. 2 and shown in full lines in Fig. 3. The bed may thus be swung against a wall 5 and into proximity with a window 20 from which thorough ventilation can be had.

I have shown above the bed and situated within the same recess 6, a table sliding on rails 26. The inner end of the table is always supported by the rails, while the outer end is provided with hinged legs 27 adapted to be thrown downwardly to a vertical position when the table is withdrawn, as shown in Fig. 3. From this figure it will be seen that the table and bed in no wise interfere with each other, it being possible to use the bed and the table simultaneously. I have shown this table for the mere purpose as illustrating the utility of my bed, or rather, in general, the utility of any piece of furniture mounted in a manner such as that shown and described. A combination of different pieces of furniture may be made up in various manners as demand may occasion.

Having thus described my invention, I claim:

1. In combination with a structure having a recess therein, a member slidably mounted within the recess to be movable between the front and back thereof, and an article of furniture hinged on a vertical axis at one corner to the member and adapted to move therewith into and out of the recess.

2. In combination with a structure having

a recess therein, a closure panel for the front of the recess slidably mounted to move from a position in the rear portion of the recess to a position at the front of the recess to close the recess opening, an article of furniture hinged on a vertical axis at one corner to the closure panel, and means for movably supporting the article of furniture.

3. In combination with a structure having a recess therein, a closure panel placed across the recess, rolling supports for the closure panel allowing its movement from the back of the recess to the front opening thereof, an article of furniture adapted to be concealed within the recess and having one of its rear corners hinged to one edge of the closure panel, releasable means attaching the other rear corner of the article of furniture to the other edge of the panel, and rolling supports for the forward end of the article of furniture.

4. In combination with a structure having a recess therein, a closure member for the front of the recess and supported therein to move rectilinearly between the front and back thereof, and an article of furniture adapted to move rectilinearly into the recess and hinged at its rear end to the closure member, so as to swing in a horizontal plane when withdrawn from the recess.

In witness that I claim the foregoing I have hereunto subscribed my name this 24th day of October 1910.

WILLIAM ASHLEY SNYDER.

Witnesses:

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JAMES H. BALLAGH.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."