

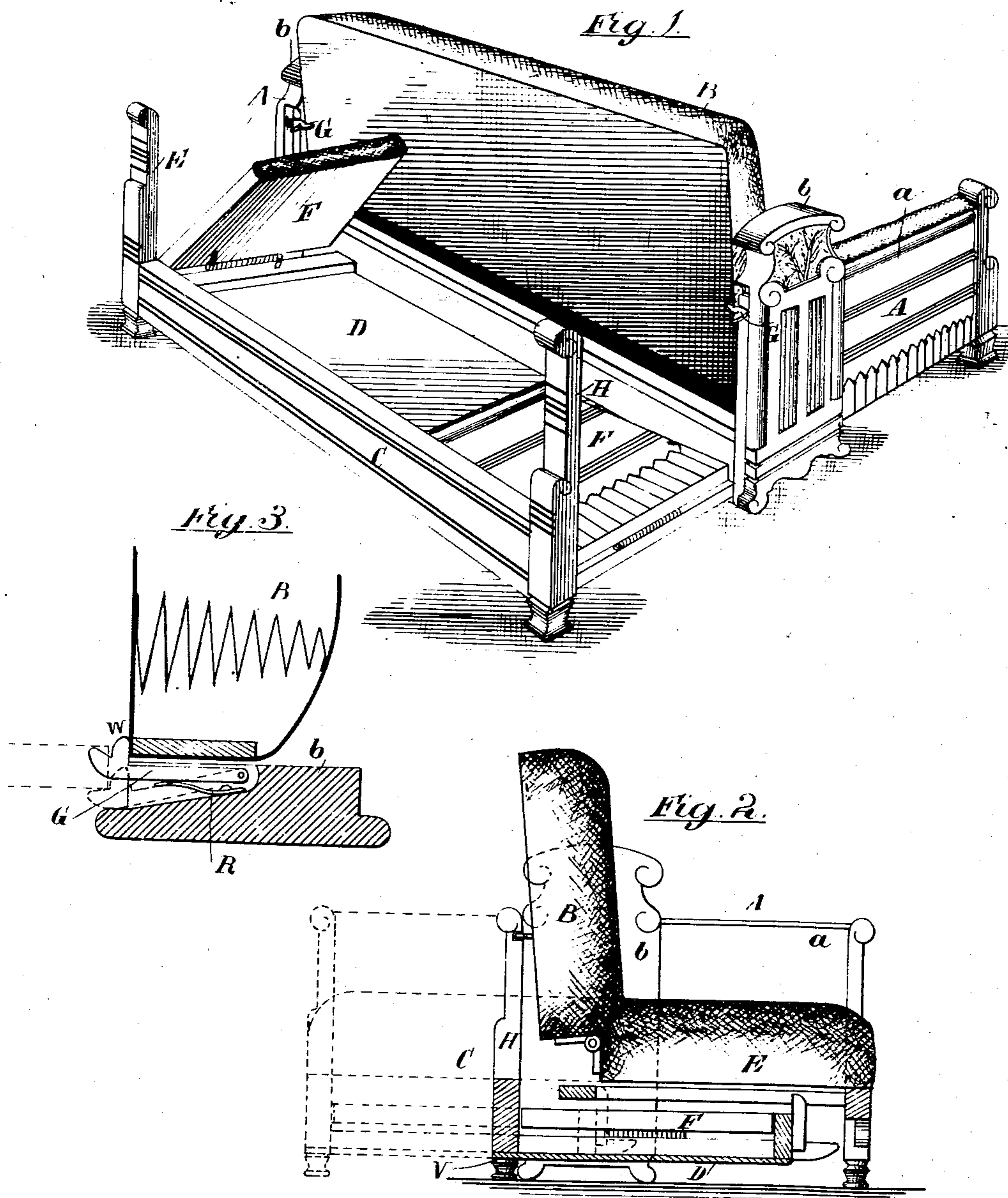
(No Model.)

C. F. GLAGGEN.

SOFA BED.

No. 322,176.

Patented July 14, 1885.



Witnesses:
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UNITED STATES PATENT OFFICE.

CARL F. GLAGGEN, OF NEW YORK, N. Y.

SOFA-BED.

SPECIFICATION forming part of Letters Patent No. 322,176, dated July 14, 1885.

Application filed May 19, 1884. (No model.)

To all whom it may concern:

Be it known that I, CARL F. GLAGGEN, of the city, county, and State of New York, have invented a new and useful Improvement in Sofa-Beds; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to that class of sofa-beds in which the back of the sofa is hinged, to admit of being turned down to a level with the seat.

It consists in the combination, with the frame of the sofa and with an auxiliary frame or drawer adapted to slide in and out at the rear, and to afford, when drawn out, a support for the hinged back when let down, of inwardly-folding pieces hinged to the ends of the auxiliary frame to match, when opened up, the fixed end piece of the sofa, and of spring-actuated catches or retaining-latches adapted to confine the back of the sofa in its elevated position, and to be struck and thrown back by the auxiliary end pieces when they are opened out, to complete the ends of the bed, and thereby allow the back to swing down to the level of the seat.

In the accompanying drawings, Figure 1 is a view of the sofa in perspective from the rear, with the auxiliary supporting frame or drawer for the back drawn out and one of the end pieces in said frame partly thrown up. Fig. 2 is a transverse section through the sofa, the position of the auxiliary frame when drawn out being illustrated by dotted lines; and Fig. 3 is a sectional view, on an enlarged scale, illustrating the spring-catch confining the hinged back of the sofa.

A A represent the stationary ends, E the seat, and B the back, of the sofa. The stationary ends are made in two sections or panels, the one, *b*, in line with the back being comparatively narrow and higher than the front section, *a*, as illustrated in Figs. 1 and 2. The back is hinged at its lower edge between the sections *b b*, so that its upper edge may swing back and bring the inner surface of the back to a level horizontally with the seat of the sofa. (See dotted lines in Fig. 2.)

C is the longitudinal outer rail of an open drawer, D, adapted to slide closely under the seat of the sofa, the ends of the rail terminating in uprights H H, which move in and out on a line with and in the same plane as the stationary ends of the sofa, so as to close against and register with the vertical edges of the sections *b b*. (See Fig. 2.) These uprights are the counterparts in size and appearance of the uprights at the front edges of the front sections, *a a*, of the stationary ends A A. Secondary end pieces F F, the duplicates in size and appearance of the sections *a a* of the stationary end pieces, are hinged at their lower ends to the end pieces of the drawer D, so as to open out in line with the uprights E E closely between said uprights and the edges of the sections *b b* of the stationary ends, and form in connection therewith when opened out a complete and symmetrical head or foot for the bed. These secondary end pieces F F may be hinged with spring-hinges, or springs may be otherwise combined therewith to cause them to open out automatically when the drawer is fully drawn out from the sofa. The hinged back B of the sofa is confined and supported in its elevated position by means of catches G G, each constructed of a catch-lever pivoted (see Fig. 3) at its inner end in a recess upon the inner face of the stationary end piece *b*, so that its outer end shall project outwardly beyond the edge of said piece, an offset or arm, *w*, being made to project from the near end of the lever at a right angle with its length to engage and support the hinged back. The lever is forced outwardly to cause its offset or arm *w* to engage the outer edge of the back by means of a spring, R. (See Fig. 3.) The outer end of the catch-lever projects outwardly in line to be struck by the inner edge of the upper end of the secondary end piece F as it is swung up into line with the stationary ends. When thus struck by the end piece F, the catch G is forced in from the back B, (see dotted lines, Fig. 3,) so that the latter is left free to drop down upon its hinges to the level of the seat, its outer end being supported when on this level by the outer rail, C, of the drawer-frame. Instead of employing a separate spring, R, to actuate the catch-lever, said lever may itself be made

as a straight spring. The space in the drawer
beneath the secondary end pieces F F and
between their ends when they are folded down
serves as a convenient receptacle for the bed-
5 ding. Each end of the sofa is furnished with
cushions adapted to serve as pillows, and when
the sofa is opened out as a bed the pillow from
one end is placed alongside of the opposite
pillow to complete the make-up of the bed.

10 I do not claim as new a sofa-bed with a
hinged back adapted to drop back to a level
with the seat; nor do I claim a drawer pulling
out rearwardly from under the sofa to afford
a support for the back when dropped to a
15 level; but

I claim as my invention—

1. In a sofa-bed, the combination, with the
main frame provided with the seat E, station-
ary end pieces A A, and a back, B, hinged
20 to swing down between said end pieces to a
level with the seat, of a drawer, D, made to
slide out to support the back when it is dropped
and provided with end pieces F F, hinged
thereto to swing up into line with the station-

ary ends A A of the frame when the drawer 25
is opened, substantially in the manner and for
the purpose herein set forth.

2. In a sofa-bed, the combination, with a
main frame provided with the seat E, station-
ary end pieces A A, back B, hinged to swing 30
down between said end pieces to a level with
the seat, and a drawer, D, provided with the
hinged end pieces F F, of spring-catches G G,
projecting from said stationary end pieces A
A, to engage and support the back B when 35
elevated, and to be retracted therefrom to re-
lease the back by the turning up of the hinged
end pieces F F on the open drawer, all sub-
stantially in the manner and for the purpose
herein set forth. 40

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

CARL F. GLAGGEN.

Witnesses:

A. B. MOORE,
R. G. PHILLIPS.