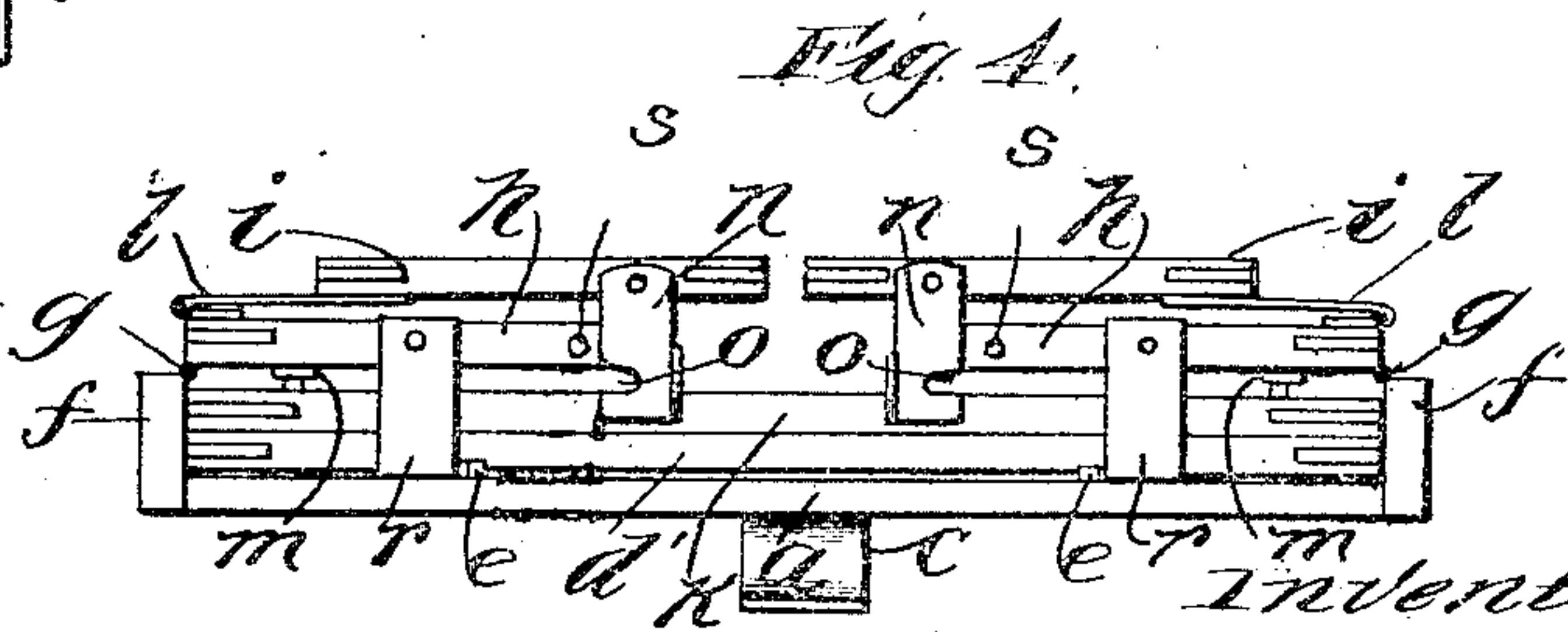
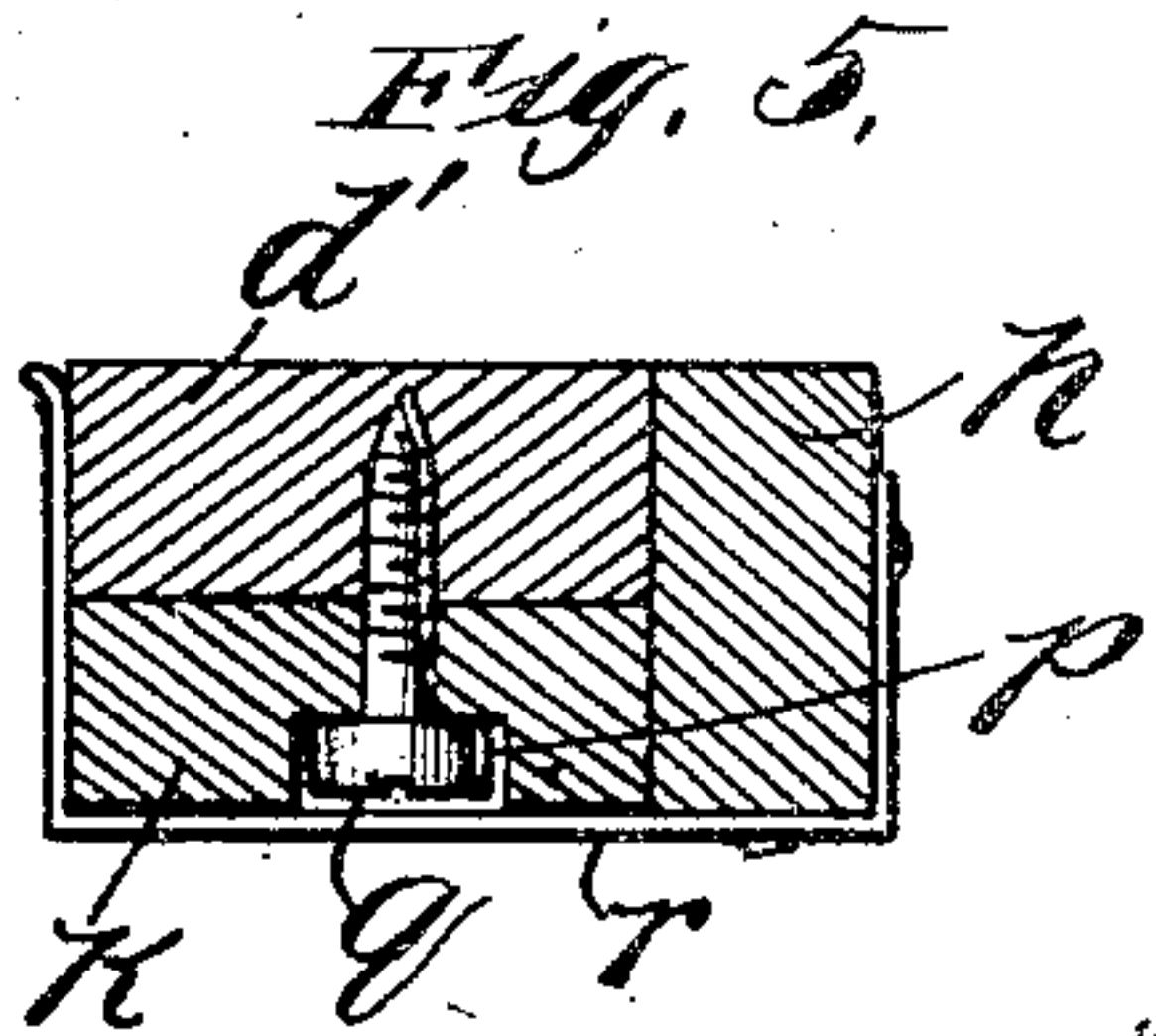
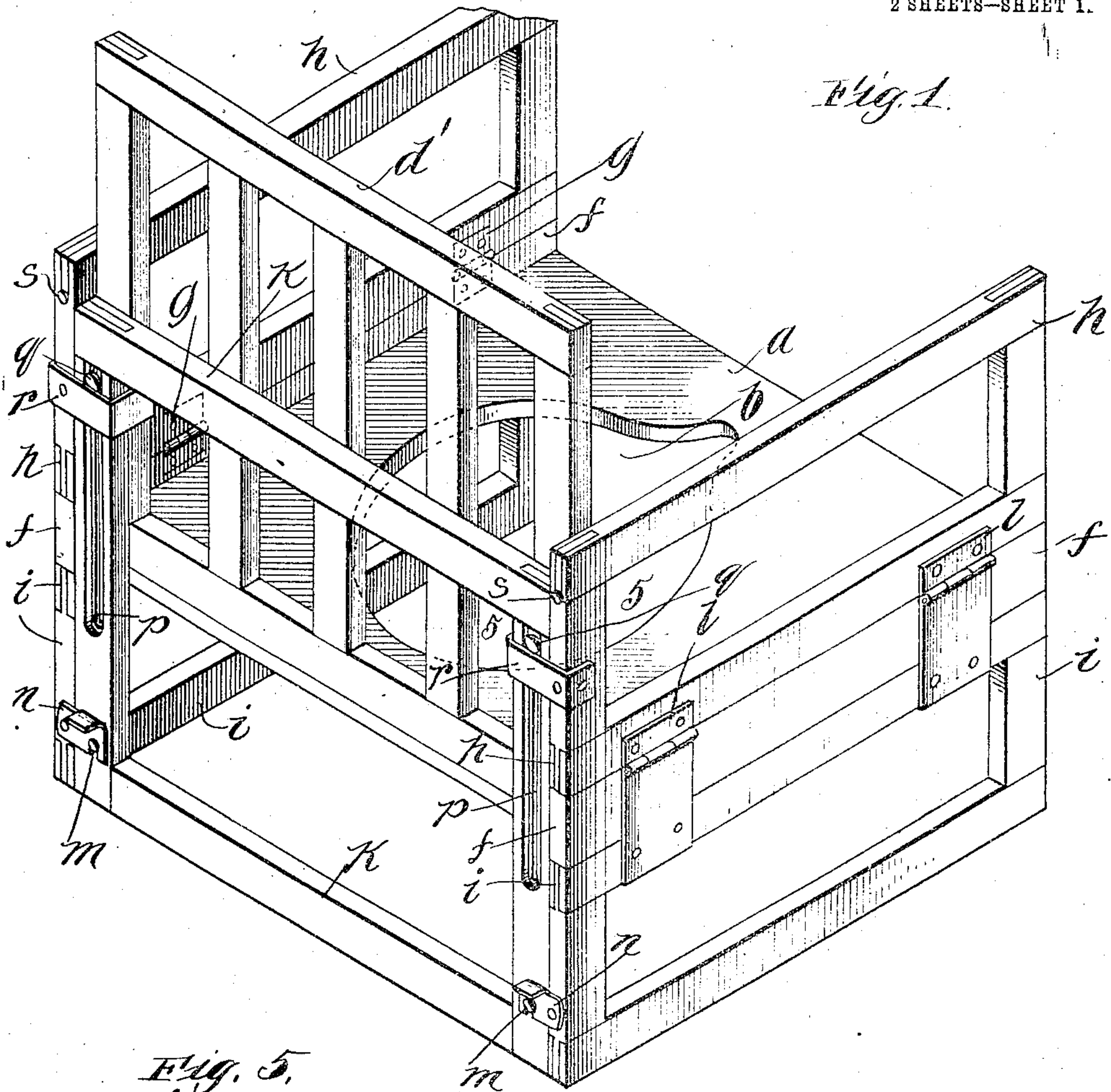


923,344.

Patented June 1, 1909.
2 SHEETS—SHEET 1.



Witnesses:
J. A. Pankowich,
R. E. O'Brien

Inventor:
Francis X. Faller,
By J. L. Gray

923,344.

Patented June 1, 1909.
2 SHEETS—SHEET 2.

Fig. 2.

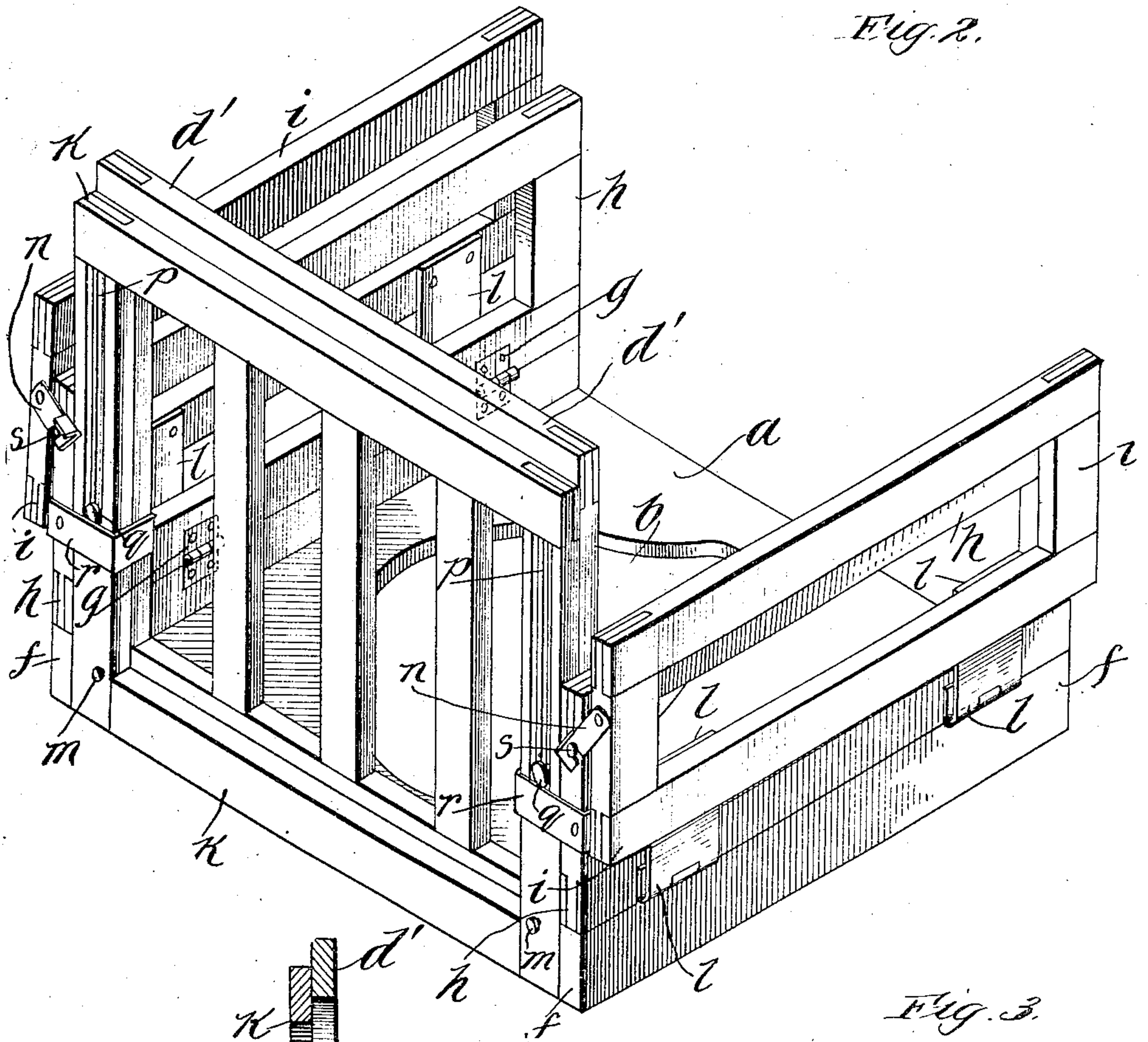
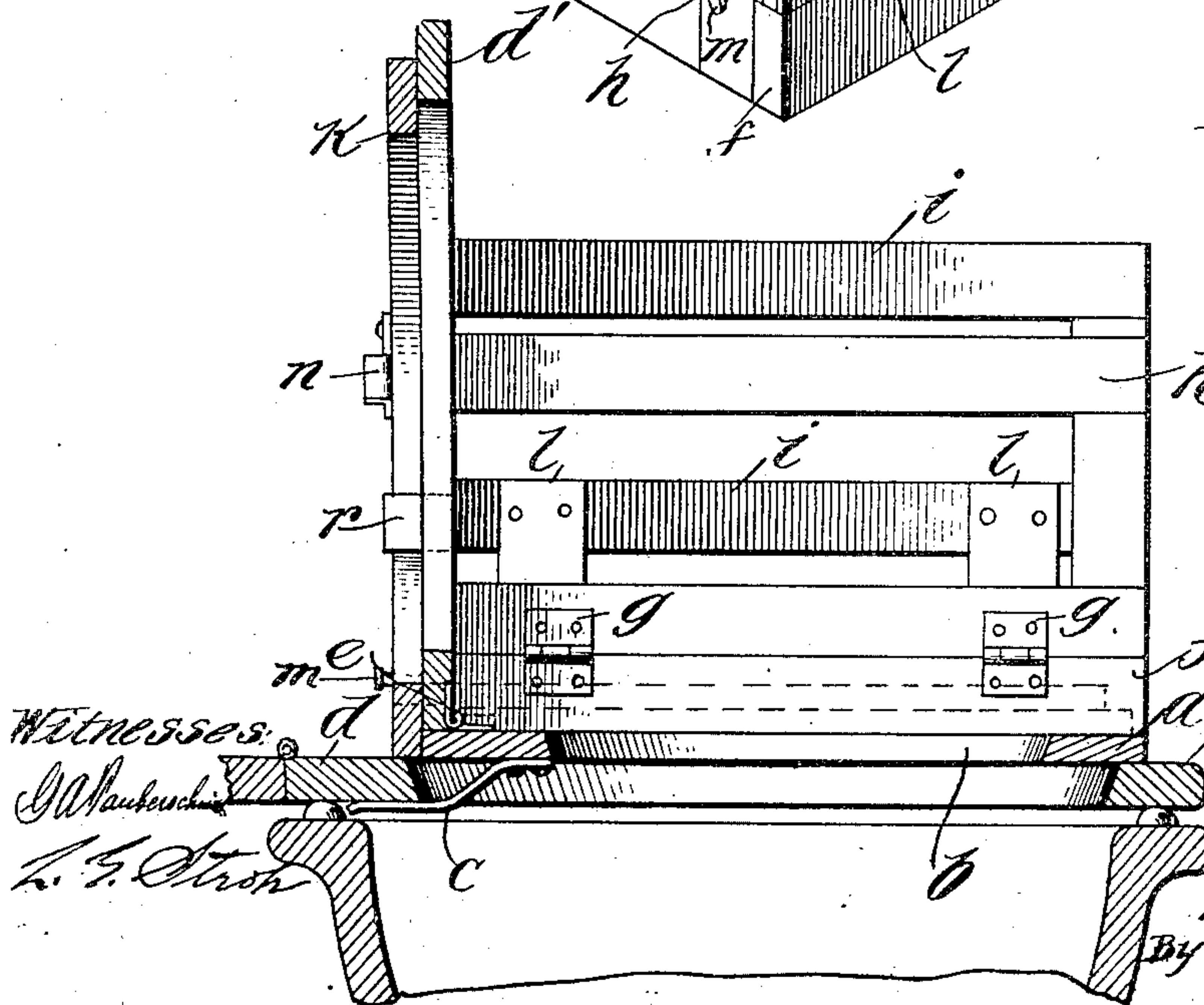


Fig. 3.



Witnesses:

W. A. Schuchman

L. S. Olson

Inventor:

Francis X. Faller

H. R. Cragg

By

Atty

UNITED STATES PATENT OFFICE.

FRANCIS X. FALLER, OF CHICAGO, ILLINOIS.

ARTICLE OF FURNITURE.

No. 923,344.

Specification of Letters Patent.

Patented June 1, 1909.

Application filed June 15, 1908. Serial No. 438,473.

To all whom it may concern:

Be it known that I, FRANCIS X. FALLER, citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Articles of Furniture, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part 10 of this specification.

My invention relates to folding furniture and finds a particularly useful embodiment in an infant's toilet stool, though I do not wish to be limited to this embodiment of the 15 invention.

The novel characteristics of my invention will be well appreciated by the specific description of one embodiment of the invention shown in the accompanying drawings, in 20 which—

Figure 1 is a perspective view of a chair unfolded and ready for use. Fig. 2 is a perspective view of the chair shown in Fig. 1, but partially collapsed. In this position the 25 chair is adapted to be placed upon a stationary stool of common design. Fig. 3 is a sectional elevation of the structure as it appears in Fig. 2 showing the chair upon a stool. Fig. 4 is a view taken from the rear of the chair, the chair being in a completely 30 folded position. Fig. 5 is a sectional view showing details of construction.

Like parts are indicated by similar characters of reference throughout the different 35 figures.

The chair seat *a* may be of any suitable construction. It is shown provided with an opening *b*, so that it may act as the seat of a stool, though I do not wish to be limited to a construction in which the opening *b* is 40 present. The nether surface of the seat or bottom *c*, when such seat has the opening *b*, is desirably provided with a spring clip *c* at its rear, so that the seat *a* may be brought into separable engagement with the hinged seat *d* of a stationary stool as indicated in Fig. 3. The back *d'* of the chair is hinged to the rear margin of the seat *a* at *e*. This back 45 portion may be laid flat directly upon and parallel with the upper surface of the seat *a*. Upwardly projecting margins *f* are provided at the side of the seat *a* and are rigid with respect thereto. Hinges *g* have leaves se- 50 cured upon the inner vertical faces of the marginal portions *f*, the pintles of said hinges being disposed near the upper edges of said

marginal portions *f*. The other leaves of said hinges are screwed to side or arm frames *h*. The pintles are located sufficiently above the seat *a* as to permit the back *g* and a part 60 equal in thickness to the back (afterward to be described) to lie below the pintles of the hinges *g*, whereby the arm frames *h* may be laid over said back and its companion portion to lie parallel therewith, as indicated in 65 Fig. 4.

I do not claim herein the swinging back and the swinging arm frames *per se*, as these elements have hitherto been mounted to lie 70 parallel with the seat *a*.

I provide a plurality of leg frames, there being preferably two such frames, the leg frames being in the form of side leg frames *i*. The leg frames *i* are hinged directly to the arm frames *h* by means of hinges *l*, and inas- 75 much as the side or arm frames *h* are hinged to the marginal projections *f* of the seat, the leg frames *i* are indirectly hinged to the seat *a*. When the hinges *l* are unfolded, the leg frames *i* lie underneath the marginal projec- 80 tions *f*, the side frames *h* being adapted to lie above said marginal projections. The leg frames *i* serve as the support for holding the seat *a* in an elevated position, the leg frames *i* being tied together by a link element *k* which 85 is desirably in the form of a rectangular frame and which is shown as being substantially co-extensive in size with the back *d'*. In order that this frame *k* may perform its function, it is caused to carry elements *m* of fastening 90 devices, complementary elements *n* of said fastening devices being provided upon adjacent portions of the leg frames *i*. In the embodiment of the invention shown, the elements *m* are in the form of pins, while the ele- 95 ments *n* are in the form of swinging catches having slots *o* adapted to receive the shanks of said pins, whereby the leg frames *i* are tied to the frame *k*, which frame *k* thus prevents the leg sections *i* from spreading apart or 100 collapsing together. The tie element or frame *k* is maintained in sliding relation with the back *d'* by the provision of slots *p* and pins or screws *q* whose shanks pass through reduced portions of the slots *p* and whose 105 heads lie within the larger portions of the slots *p*, as indicated most clearly in Fig. 5. The unobstructed length of the slots *p* is such that the lower horizontal margin of the bracing, tie element, or frame *k*, may be lifted so 110 as to have its lower surface coincident with the nether surface of the seat *a*, or so that

this lower surface of the element k may be coincident with the lower horizontal surfaces of the leg frames i . Substantially rigid restraining loops r , which open toward the front of the chair, are secured to the side frames h and are adapted to receive the vertical side members of the frame k so as to prevent the arm frames h from being moved outwardly. The rear elements of the loops act as supports to prevent the back d^1 of the chair from being moved beyond its normal rearmost position.

By means of the slots p and pins or screws q , the elements $d^1 k$ of the chair are in slidable relation, but whenever the back d^1 is swung, the frame k swings therewith. When the back is swung downwardly, the frame k is previously placed in an elevated position as indicated in Fig. 2. When the back is placed in a vertical position, the element k is moved downwardly if it is to perform the function of uniting the leg frames i as indicated in Fig. 1. If, however, the chair is to act as a sub stool to be placed upon the seat d of a stationary stool, the frame k is not lowered, the legs i being kept in the folded position indicated in Fig. 2 by means of the catch elements m which engage the shanks of pins or screws s provided upon the side frames h for the purpose, these side frames h then being in their elevated positions and tied together by means of the tie frame k acting in cooperation with the fastening loops r . It will be seen from the foregoing that the frame k not only acts as a tie element for preventing the frames i from spreading apart, but also acts as a tie element to prevent the arms h from spreading apart. The upper portions of the leg frame are substantially fixed with respect to each other.

It will be understood that when the chair is to be completely set up, the leg frame i upon each side of the chair is placed in a vertical plane coincident with the side frame h upon the same side of the chair with said leg frame, that the back d^1 is swung to a vertical position, and that the sliding frame k is lowered, whereby the fastening elements n , being in engagement with the fastening elements m , the parts are maintained in their adjusted positions.

If the upper part of the structure is alone to be set up, so that the chair may be adapted to a stationary stool, as indicated in Fig. 3, the frame k is not lowered, nor are the leg frames i , the leg frames i being held up by the engagement of the fastening elements n with the fastening elements s as indicated in Fig. 2, where the side frames are shown in a set up position as well as the back d^1 , whereby the structure may be adapted to a stationary stool as indicated in Fig. 3.

In collapsing the structure, the frame k is moved vertically (the fastening elements m and n having been disengaged), whereafter

the back d^1 is swung to lie upon the upper face of the seat a , the frame k moving with the back d^1 , the elements $d^1 k$ lying below the pintles of the hinges g , whereby the side frames h may be laid over the frame k and be parallel therewith. Before the side frames h are disposed in their flat positions, the leg frames i are folded thereupon as indicated in Fig. 2, so that when the side frames h are swung downwardly, the leg frames i will swing therewith and lie parallel thereto, it being understood that the frames i must be upon the frames h before the frames h can be disposed in a flat position upon the seat.

While I have herein shown and particularly described the preferred embodiment of my invention, I do not wish to be limited to the precise construction shown, as changes may readily be made without departing from the spirit of the invention.

Having thus described my invention, I claim as new and desire to secure by Letters Patent the following:—

1. An article of furniture having leg frames, each of which is in hinged relation with the seat or bottom, and a tie element having means associated therewith enabling it to unite the leg frames when they are in unfolded relation with respect to the seat, the upright portions of each leg frame being substantially fixed with respect to each other, the said tie element being in the form of a vertically movable frame which may be lowered when the leg frames are unfolded for purpose of use and which may be elevated when the leg frames are folded.

2. An article of furniture having leg frames, one swingingly mounted upon each side of the seat or bottom, and a tie element having means associated therewith enabling it to join the leg frames to maintain the same in proper relation when said leg frames are unfolded to serve as supports for the seat, the upright portions of each leg frame being substantially fixed with respect to each other, the said tie element being in the form of a vertically movable frame disposed at the rear of the structure and which may be lowered when the leg frames are unfolded for purpose of use and which may be elevated when the leg frames are folded.

3. An article of furniture having leg frames, each of which is in hinged relation with the seat or bottom, a tie element having means associated therewith enabling it to unite the leg frames when they are in unfolded relation with respect to the seat, the upright portions of each leg frame being substantially fixed with respect to each other, the said tie element being in the form of a vertically movable frame which may be lowered when the leg frames are unfolded for purpose of use and which may be elevated when the leg frames are folded, and side frames h swingingly secured to the seat a and,

when in an unfolded position, extending above said seat, said side frames being foldable to lie over the seat.

4. An article of furniture having leg frames, each of which is in hinged relation with the seat or bottom, the upright portions of each leg frame being substantially fixed with respect to each other, and side frames *h* swingingly secured to the seat *a* and, when in an unfolded position, extending above said seat, said side frames being foldable to lie over the seat, the leg frames being directly swingingly connected with said side frames and adapted to fold over the same.

5. An article of furniture having leg frames, each of which is in hinged relation with the seat or bottom, a tie element having means associated therewith enabling it to unite the leg frames when they are in unfolded relation with respect to the seat, the upright portions of each leg frame being substantially fixed with respect to each other, and side frames *h* swingingly secured to the seat *a* and, when in an unfolded position, extending above said seat, said side frames being foldable to lie over the seat, the leg frames being directly swingingly connected with said side frames and adapted to fold over the same.

6. An article of furniture having leg frames, one swingingly mounted upon each side of the seat or bottom, a tie element having means associated therewith enabling it to join the leg frames to maintain the same in proper relation when said leg frames are unfolded to serve as supports for the seat, the upright portions of each leg frame being substantially fixed with respect to each other, and side frames *h* swingingly secured to the seat *a* and, when in an unfolded position, extending above said seat, said side frames being foldable to lie over the seat, the leg frames being directly swingingly connected with said side frames and adapted to fold over the same.

7. An article of furniture having leg frames, each of which is in hinged relation with the seat or bottom, a tie element having means associated therewith enabling it to unite the leg frames when they are in unfolded relation with respect to the seat, the upright portions of each leg frame being substantially fixed with respect to each other, the said tie element being in the form of a vertically movable frame which may be lowered when the leg frames are unfolded for purpose of use and which may be elevated when the leg frames are folded, and side frames *h* swingingly secured to the seat *a* and, when in an unfolded position, extending above said seat, said side frames being foldable to lie over the seat, the leg frames being directly swingingly connected with said side frames and adapted to fold over the same.

8. An article of furniture having leg

frames, each of which is in hinged relation with the seat or bottom, a tie element having means associated therewith enabling it to unite the leg frames when they are in unfolded relation with respect to the seat, the upright portions of each leg frame being substantially fixed with respect to each other, the said tie element being in the form of a vertically movable frame which may be lowered when the leg frames are unfolded for purpose of use and which may be elevated when the leg frames are folded, and a back swingingly secured to the rear of the seat and foldable to lie over the seat.

9. An article of furniture having leg frames, each of which is in hinged relation with the seat or bottom, the upright portions of each leg frame being substantially fixed with respect to each other, side frames *h* swingingly secured to the seat *a* and, when in an unfolded position, extending above said seat, said side frames being foldable to lie over the seat, the leg frames being directly swingingly connected with said side frames adapted to fold over the same, and a back swingingly secured to the rear of the seat and foldable to lie over the seat.

10. An article of furniture having leg frames, each of which is in hinged relation with the seat or bottom, a tie element having means associated therewith enabling it to unite the leg frames when they are in unfolded relation with respect to the seat, the upright portions of each leg frame being substantially fixed with respect to each other, side frames *h* swingingly secured to the seat *a* and, when in an unfolded position, extending above said seat, said side frames being foldable to lie over the seat, the leg frames being directly swingingly connected with said side frames and adapted to fold over the same, and a back swingingly secured to the rear of the seat and foldable to lie over the seat.

11. An article of furniture having leg frames, one swingingly mounted upon each side of the seat or bottom, a tie element having means associated therewith enabling it to join the leg frames to maintain the same in proper relation when said leg frames are unfolded to serve as supports for the seat, the upright portions of each leg frame being substantially fixed with respect to each other, side frames *h* swingingly secured to the seat *a* and, when in an unfolded position, extending above said seat, said side frames being foldable to lie over the seat, the leg frames being directly swingingly connected with said side frames and adapted to fold over the same, and a back swingingly secured to the rear of the seat and foldable to lie over the seat.

12. An article of furniture having leg frames, each of which is in hinged relation with the seat or bottom, a tie element having means associated therewith enabling it to

unite the leg frames when they are in unfolded relation with respect to the seat, the upright portions of each leg frame being substantially fixed with respect to each other, the said tie element being in the form of a vertically movable frame which may be lowered when the leg frames are unfolded for purpose of use and which may be elevated when the leg frames are folded, side frames *h* swingingly secured to the seat *a* and, when in an unfolded position, extending above said seat, said side frames being foldable to lie over the seat, the leg frames being directly swingingly connected with said side frames and adapted to fold over the same, and a back swingingly secured to the rear of the seat and foldable to lie over the seat.

13. An article of furniture having leg frames, one swingingly mounted upon each side of the seat or bottom, an element having means associated therewith enabling it to join the leg frames to maintain the same in proper relation when said leg frames are unfolded to serve as supports for the seat, the said tie element being in the form of a vertically movable frame disposed at the rear of the structure, which may be lowered when the leg frames are unfolded for purpose of use and which may be elevated when the leg frames are folded, and side frames *h* swingingly secured to the seat *a* and, when in an unfolded position, extending above said seat, said side frames being foldable to lie over the seat.

14. An article of furniture having leg frames, one swingingly mounted upon each side of the seat or bottom, an element having means associated therewith enabling it to join the leg frames to maintain the same in proper relation when said leg frames are unfolded to serve as supports for the seat, the said tie element being in the form of a vertically movable frame disposed at the rear of the structure, which may be lowered when the leg frames are unfolded for purpose of use and which may be elevated when the leg frames are folded, and side frames *h* swingingly secured to the seat *a* and, when in an unfolded position, extending above said seat, said side frames being foldable to lie over the seat, the leg frames being directly swingingly connected with said side frames and adapted to fold over the same.

15. An article of furniture having leg frames, one swingingly mounted upon each side of the seat or bottom, an element having means associated therewith enabling it to join the leg frames to maintain the same in proper relation when said leg frames are unfolded to serve as supports for the seat, the

said tie element being in the form of a vertically movable frame disposed at the rear of the structure, which may be lowered when the leg frames are unfolded for purpose of use and which may be elevated when the leg frames are folded, side frames *h* swingingly secured to the seat *a* and, when in an unfolded position, extending above said seat, said side frames being foldable to lie over the seat, and a back swingingly secured to the rear of the seat and foldable to lie over the structure.

16. An article of furniture having leg frames, one swingingly mounted upon each side of the seat or bottom, an element having means associated therewith enabling it to join the leg frames to maintain the same in proper relation when said leg frames are unfolded to serve as supports for the seat, the said tie element being in the form of a vertically movable frame disposed at the rear of the structure, which may be lowered when the leg frames are unfolded for purpose of use and which may be elevated when the leg frames are folded, side frames *h* swingingly secured to the seat *a* and, when in an unfolded position, extending above said seat, said side frames being foldable to lie over the seat, and a back swingingly secured to the rear of the seat and foldable to lie over the structure, said tie element being slidably engaged with said back.

17. An article of furniture having leg frames, one swingingly mounted upon each side of the seat or bottom, an element having means associated therewith enabling it to join the leg frames to maintain the same in proper relation when said leg frames are unfolded to serve as supports for the seat, the said tie element being in the form of a vertically movable frame disposed at the rear of the structure, which may be lowered when the leg frames are unfolded for purpose of use and which may be elevated when the leg frames are folded, side frames *h* swingingly secured to the seat *a* and, when in an unfolded position, extending above said seat, said side frames being foldable to lie over the seat, a back swingingly secured to the rear of the seat and foldable to lie over the structure, said tie element being slidably engaged with said back, and uniting means for joining the side frames, the back and the tie element together.

In witness whereof, I hereunto subscribe my name this 12th day of June A. D., 1908.

FRANCIS X. FALLER.

Witnesses:

L. G. STROH,
L. JORRY.