

(No Model.)

2 Sheets—Sheet 1.

W. F. WOODRUFF.
BASE FOR FURNITURE.

No. 584,124.

Patented June 8, 1897.

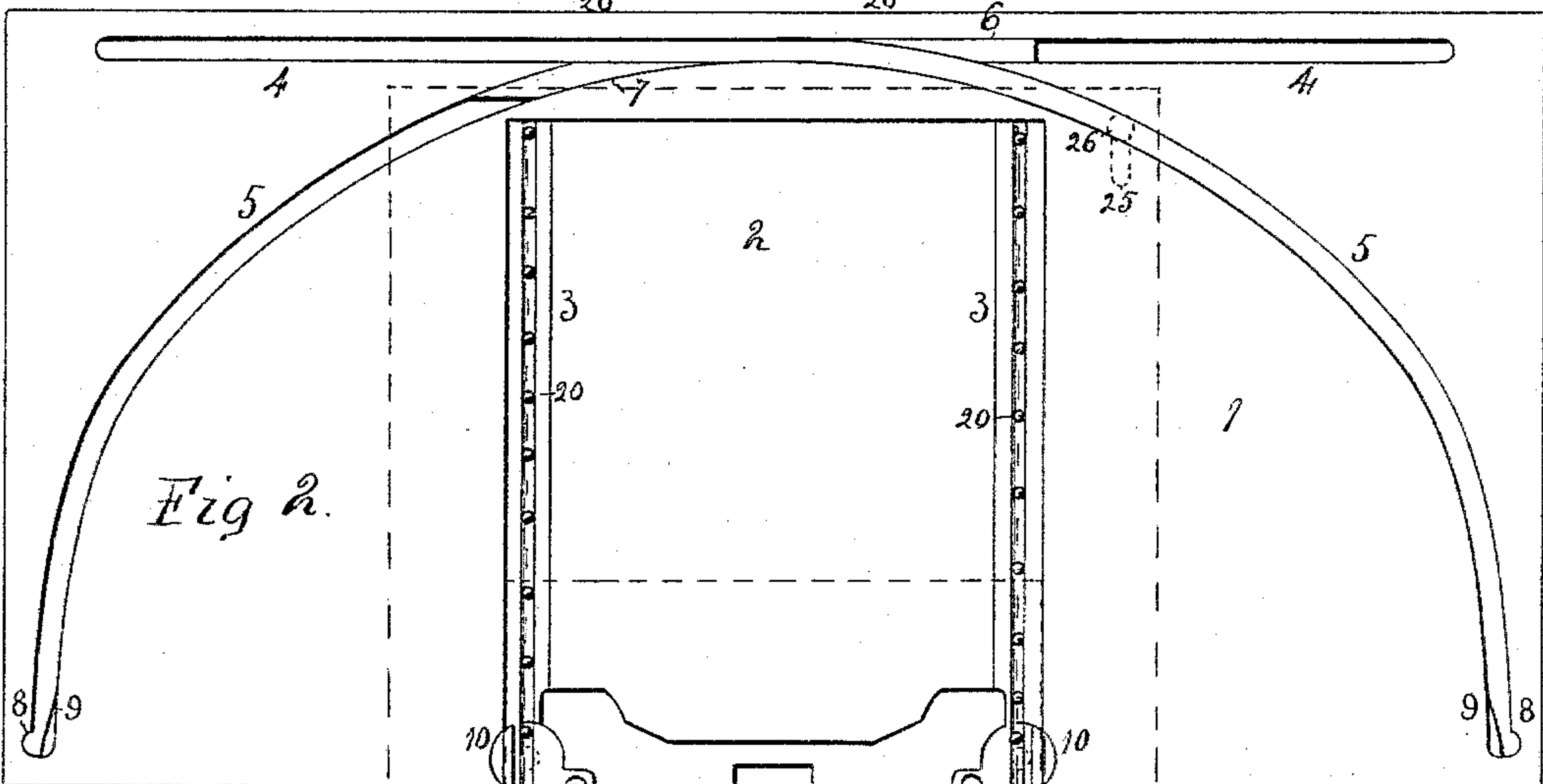
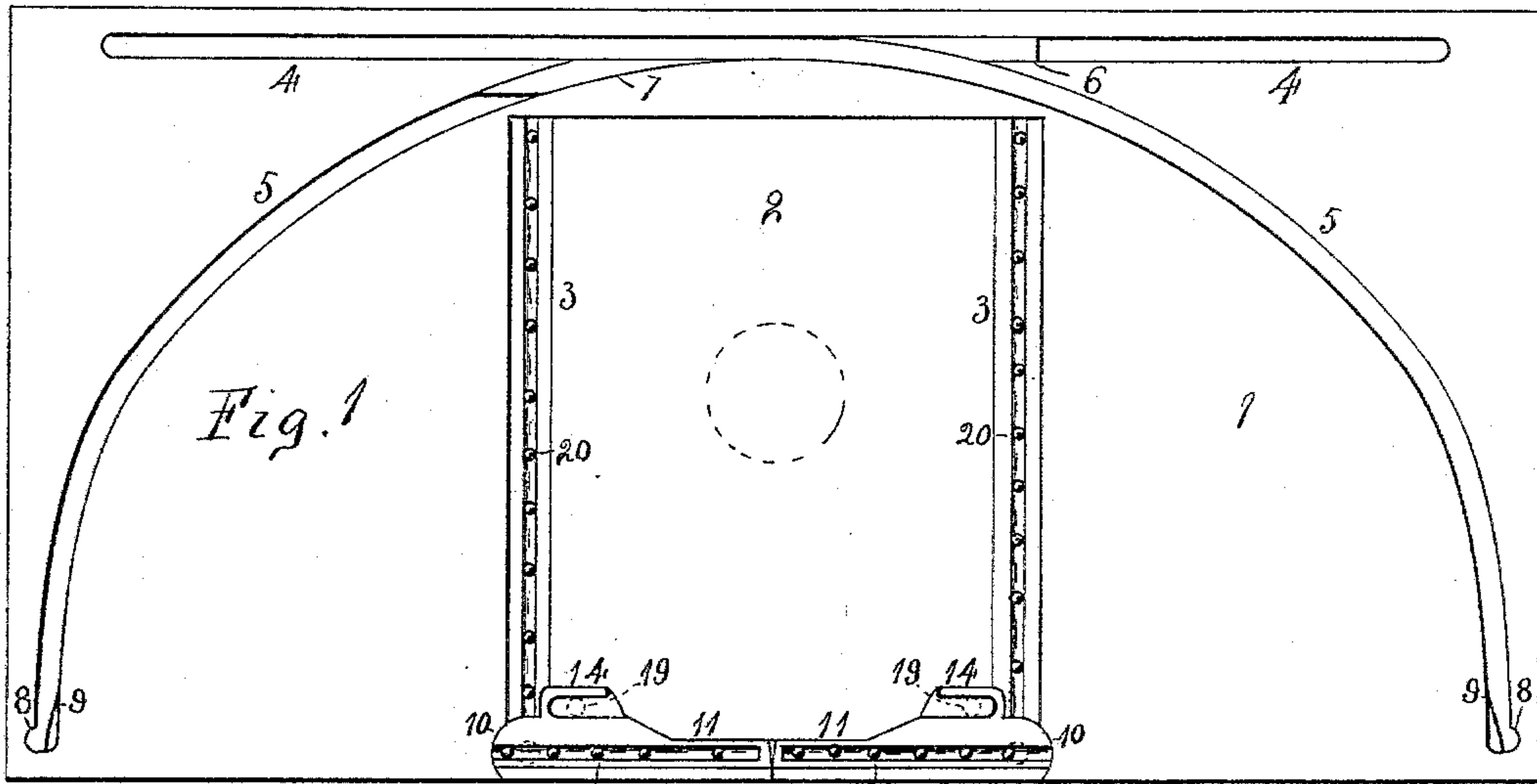


Fig. 4.

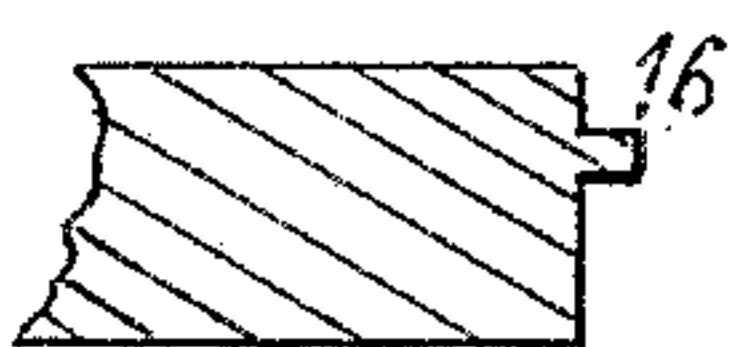
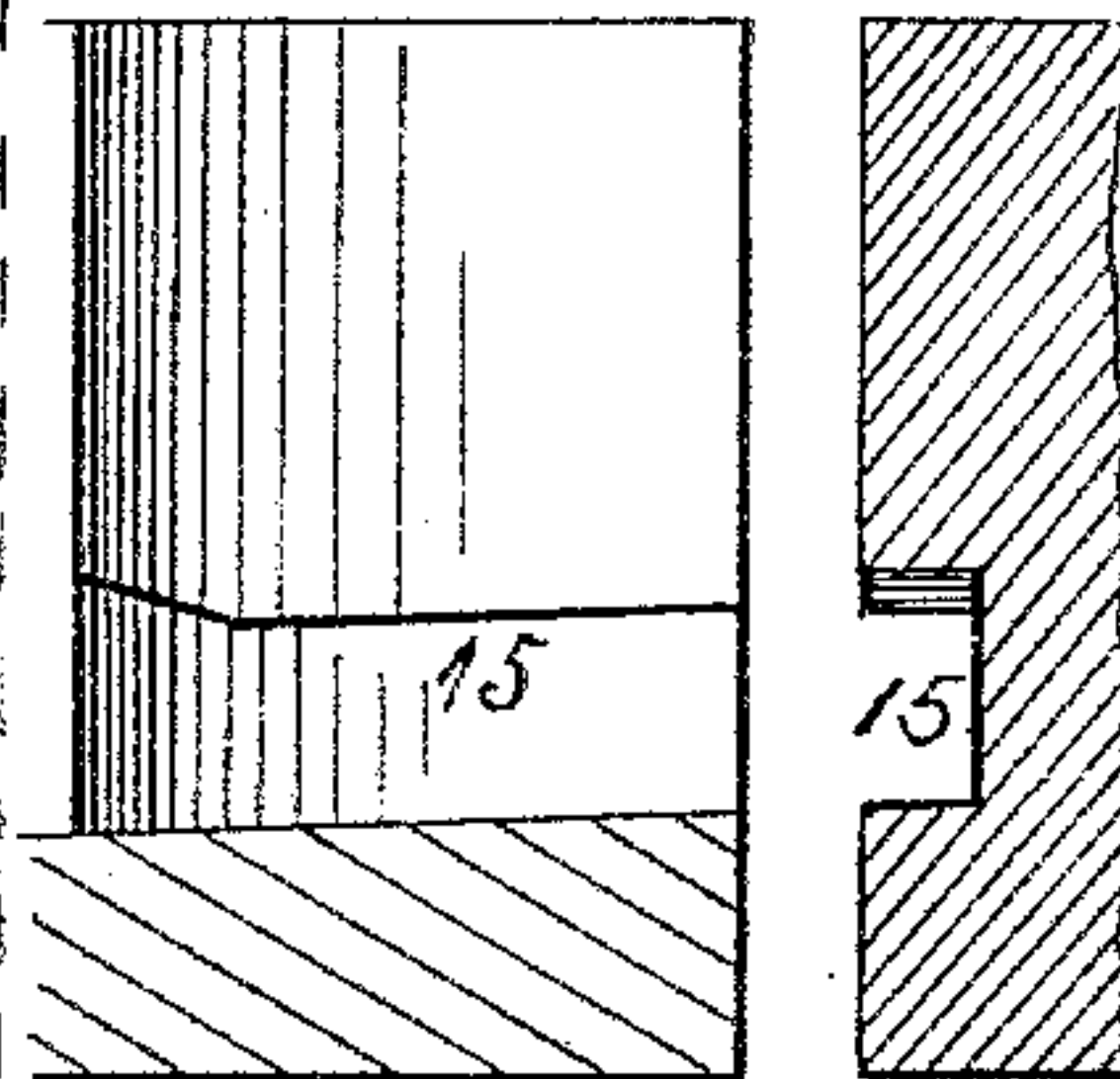


Fig. 3. Fig. 3.



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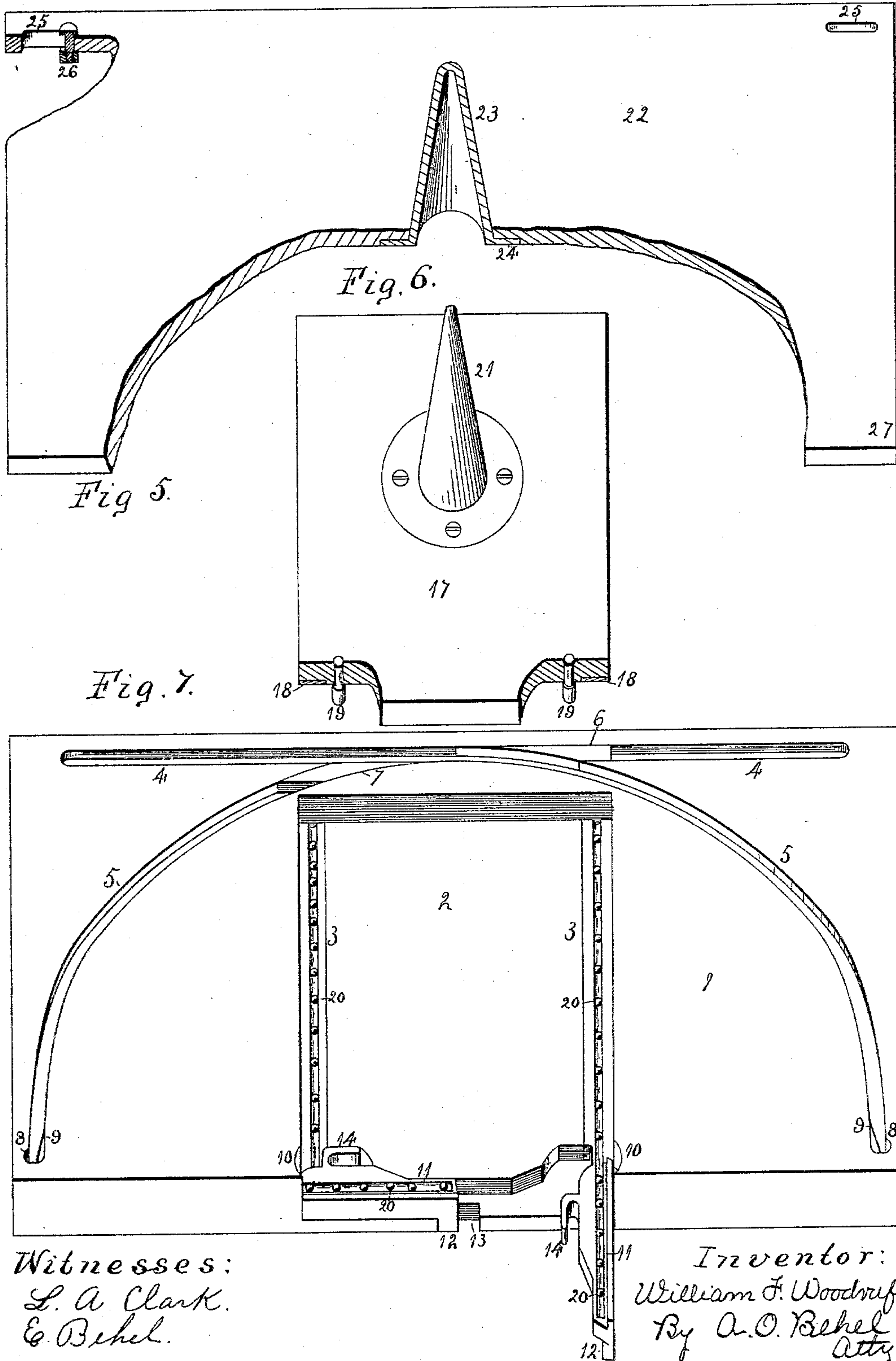
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UNITED STATES PATENT OFFICE.

WILLIAM F. WOODRUFF, OF ROCKFORD, ILLINOIS.

BASE FOR FURNITURE.

SPECIFICATION forming part of Letters Patent No. 584,124, dated June 8, 1897.

Application filed March 14, 1894. Serial No. 503,622. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM F. WOODRUFF, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Bases for Furniture, of which the following is a specification.

The object of this invention is to construct a base for furniture, the main portion of which shall remain stationary upon the floor and which will support the article of furniture in such a manner that it may be turned about, presenting the face that was next to the wall to the front without removing it from the base or moving the base from the wall; and it consists of a stationary base supporting an extension and two pivoted wings or supports, which receive the extension in its outward movement and operated by the movements of the extension, the extension supporting the article of furniture.

In the accompanying drawings, Figure 1 is a plan view of the stationary base and pivoted supports, showing the supports in their closed position. Fig. 2 is a similar view showing the supports extended and the extension and platform in dotted lines. Fig. 3 is an inner face representation of the concave portion of the stationary base forming a seat for the pivoted supports. Fig. 3^A is a fragmental view showing the connection between the pivoted support and the stationary base. Fig. 4 is a vertical section through the inner end of one of the supports, showing the stud for imparting a vertical movement to the pivoted supports during their swinging movements. Fig. 5 is an isometrical representation of the upper face of the platform with portions broken away. Fig. 6 is an isometrical representation of the upper face of the extension. Fig. 7 is an isometrical representation of the stationary base, showing one support in its closed position and the other in its open or extended position.

The stationary base 1 is of rectangular form, having a recess 2 extending transversely and centrally thereof. In the bottom of this recess are formed semicircular groove guideways 3, and the front portion of the base of this recess is further recessed and of irregu-

lar shape for a purpose to appear hereinafter. The rear edge of the stationary base is provided with a groove 4, extending in its lengthwise direction, and from its center portion radiate two curved grooves 5, extending near the front face of the base and near its ends. A block 6 is located in the lengthwise groove 4, and a block 7 is located in the left-hand curved groove 5, thereby forming a continuous groove of the left-hand portion of the straight groove 4 and of the right-hand curved groove 5. The ends of the curved grooves 5 have an enlargement 8 at their outer faces, and a flat spring 9 is secured to the inner face of the grooves and extend into the grooves, as shown in the drawings.

The front face of the central recess of the stationary base is provided with vertical semicircular recesses 10, within which are located supports which have a pivotal connection with the stationary base, their upper faces provided with a semicircular guideway 11, having its outer end closed, and when these supports are moved upon their pivots to their extended position (shown at Figs. 2 and 7) the semicircular grooves 11 will form a continuation of the semicircular guideways 3 of the main portion of the base. The end of the supports at their pivots are of circular form in order that when they are turned into their closed position the front end of the semicircular guideways 3 will be closed, as shown at Figs. 1 and 7.

At Fig. 7 it is seen that the supports rest upon the stationary base and are provided with a depending portion 12, which fits within the vertical recess 13 in the center of the base when in their closed position, which will fill in the central opening of the base up to a level with the top of the supports.

From the supports near their pivots and on the inner face thereof extend hooks 14, running in the lengthwise direction of the support, and which is on a level with the upper surface of the recessed portion 2, the irregular-shaped recess receiving the supports and their hooks when closed.

The curved seats for the supports in their connection with the stationary base are provided with a cam-shaped undercut 15, (shown at Fig. 3,) under which extends a projection

16 of the support shown at Fig. 4, which will impart to the free end of the support a raising movement to clear its contact with the base and the carpet in its outward movement and when nearly to the limit of its extended movement will suddenly drop into contact with the floor and when being closed will rise clear of the floor and finally be seated in contact with the base.

Within the central recessed portion of the stationary base is located an extensible section 17, which is of the required dimensions to properly fill the space and has secured to its under face metallic strips 18, extending in its lengthwise direction and located near its sides and laid in flush with the bottom of the section. This section has two pins or rollers 19, depending from its under face and near its front end, and when the supports are closed the pins will lie within the hooks 14 of the supports, as shown in dotted lines, Fig. 1.

Within the semicircular guideways 3 and 11 are located metallic balls 20 in sufficient numbers to provide a good bearing upon which the metallic strips of the extensible section rests, and when the section is in its retracted position it will rest wholly upon the balls of the semicircular guideways 3 of the stationary base, and upon the outward movement of the section the pins 19, located within the hooked portions 14, will cause the supports to move upon their pivots from their closed to their open positions, this movement being imparted by the pins pressing against the inner face of the supports, and after the supports have been fully extended the pins will move free thereof to the position shown in dotted lines, Fig. 2, and upon the return movement of the extensible section the pins will engage the hooks, causing the supports to move upon their pivots into their closed positions.

It will be noticed that the extent of the movement of the extensible section in operating the supports is very slight in order that the supports may be fully extended before any of the weight of the section is transferred thereto and retracted after all weight has been removed therefrom, as the balls in the supports will receive the extension after the supports are fully extended in order that the section may have a support, as its center is beyond the face of the stationary base. To the upper face of the extensible section is secured a cone-shaped support 21, which when the section is in its closed position will occupy a central position with respect to the stationary base.

The platform 22 or bottom of the article of furniture is provided with a central opening, through which extends a cone-shaped socket or support 23, the inside opening of a size and form to receive the support 21 of the extensible section, and is held in position by the flange 24, secured to the under face of the platform. The rear edge of the platform is

provided with two elongated openings 25 near the ends of the platform, and within one of these openings is located a pin or roller 26, having a portion depending below the lower surface of the platform and enters the recesses 4 and 5 in the upper surface of the stationary base.

When the extensible section is withdrawn within the stationary base and the platform centrally located over the stationary base, a pivotal connection will be formed between the platform and extensible section, and a connection will be formed between the platform and stationary base by the pin or roller 26, located in the lengthwise recess at its left-hand end.

By taking hold of the corner 27 of the platform and moving it toward the opposite end of the stationary base the pin or roller 26 will move along the lengthwise recess 4 until the center of the base has been reached, and this movement will hold the left-hand end of the platform within boundary of the stationary base, and at the same time cause the extensible section to move outward to the position shown in dotted lines, Fig. 2, and the movement of the section will cause the pivotal supports to move outward, as before described. At this point the platform is free to turn upon its pivot connection with the extensible section, and the pin or roller 26 will travel in the right-hand curved recess 5 until the bend is encountered, when the further movement will cause the extensible section to retract to its closed position, and the rear face of the platform will have been brought to the front and the front thereof turned to the rear.

Upon the return movement of the platform the pin or roller 26 will engage the enlargement 8 in the end of the right-hand curved recess 5, the spring 9 pressing it therein, and will remain there until the extensible section has been withdrawn by the outward movement of the platform, when it will follow the curved recess and finally reach its stationary position, and the extensible section will have been returned to its closed position. The elongated opening 25 is to accommodate the different distances between the diagonal distance from the center of the platform to the pin or roller 26 and the distance in the lengthwise direction of the stationary base from the transverse center of the base.

By removing the blocks 6 and 7 from the right-hand portion of the lengthwise recess 4 and the left-hand portion of the curved recess 5 and placing them in the opposite position of the recesses and placing the pin or roller 26 in the right-hand elongated slot the platform may be turned in the opposite direction or from the left-hand front corner.

I claim as my invention—

1. A base for furniture consisting of a stationary base, an extensible section supported thereby, a platform supported by the section, and having a connection with the stationary base, two supports having a pivotal connec-

tion with the base and opened by the forward movement of the extensible section.

2. A base for furniture consisting of a stationary base, supports having a pivotal connection with the base, an extensible section supported by the base, a platform having a pivotal connection with the section, and an engagement with the base, pins or rollers depending from the under face of the section engaging the supports in order that the movement of the section will operate the supports.

3. A base for furniture consisting of a stationary base provided with grooved guideways, movable supports having a connection with the base forming a continuation of the guideways, balls located in the guideways, and in the movable supports, and an extensible section located upon the balls of the guideways and movable onto the balls of the movable supports.

4. A base for furniture consisting of a stationary base having a central transverse recess, an extensible section located in the recess, a platform supported by the section and

movable supports connected to the base adapted to receive the section.

5. A base for furniture, consisting of a stationary base having a central transverse recess, movable support forming a continuation of the bottom of the recess, an extensible section located in the base and movable onto the support, a platform supported by the extension.

6. A base for furniture consisting of a stationary base having a lengthwise recess near its rear face from the center of which radiate two curved recesses, movable switch-blocks, one located in one branch of the lengthwise recess, and the other in one of the curved recesses, an extensible section supported by the base and a platform supported by the section and having an engagement with the recess of the base.

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