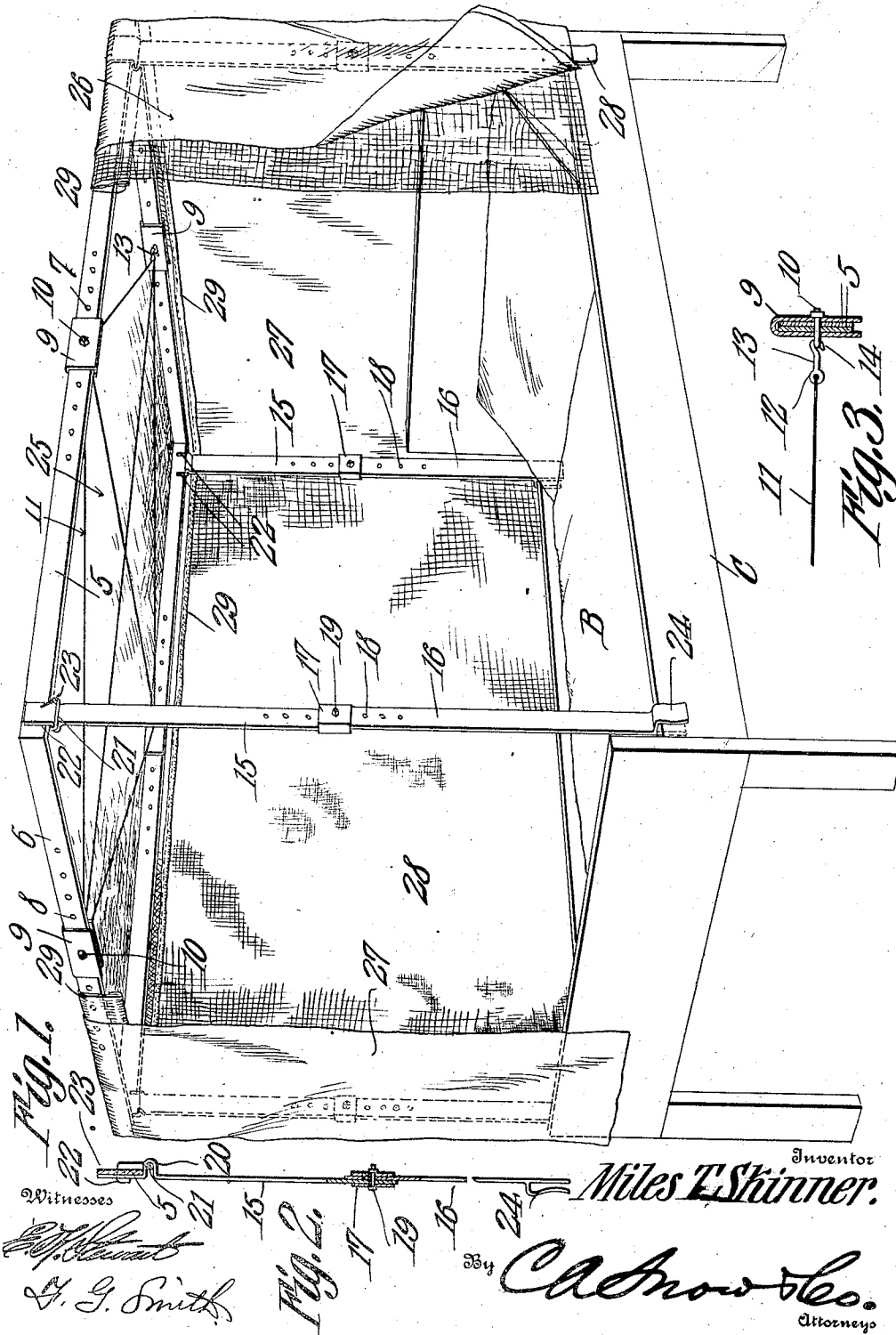


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CANOPY SUSPENDING ATTACHMENT FOR BEDSTEADS.
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929,035.

Patented July 27, 1909.



Witnesses
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Fig. 2.

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UNITED STATES PATENT OFFICE.

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CANOPY-SUSPENDING ATTACHMENT FOR BEDSTEADS.

No. 928,035.

Specification of Letters Patent.

Patented July 27, 1909.

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To all whom it may concern:

Be it known that I, MILES T. SKINNER, a citizen of the United States, residing at Rule, in the county of Haskell and State of Texas, have invented a new and useful Canopy-Suspending Attachment for Bedsteads, of which the following is a specification.

The object of the present invention is to provide a canopy suspending frame which may be applied to the ordinary bedstead and may be adjusted for application to bedsteads of various sizes and which will properly and evenly support a canopy of mosquito netting or other material above the bed and to the sides and ends thereof.

A further object of the invention is to provide a canopy supporting frame for bedsteads which may be folded to occupy but a minimum amount of space when not in use, and which will yet be firm and substantial when set up for use.

In the accompanying drawings:—Figure 1 is a perspective view of the canopy suspending frame showing the same applied to a bedstead of ordinary construction. Fig. 2 is a view, partly in side elevation and partly in section, of one of the supporting uprights of the frame of the device. Fig. 3 is a detail vertical sectional view through one of the frame members, showing the manner of attaching a bracing wire thereto.

In the drawings, the bedstead is indicated in general by the reference character B, and the side boards or rails thereof by the character C.

The canopy-suspending frame embodying the invention comprises a rectangular top frame and supporting standards or uprights, at the upper ends of which this frame is supported, the standards or uprights being attachable at their lower ends to the said side boards or rails of the bedstead.

The top frame of the device is comprised of four main sections, each of which comprises a member 5 and a member 6, the members 5 of all of the sections forming the sides of the frame, and the members 6 of all the sections forming the ends of the said frame. The members 5 and 6 of each section are so formed as to extend at right angles with respect to each other, and are preferably formed of bar metal of light weight, and each of these sections is formed in its member 5, near the extremity thereof, with a series of openings 7; and in its member 6, near its end, with a series of openings 8.

In assembling the sections of the top frame, the ends of the members 5 of two of the sections are overlapped, as are also the ends of the corresponding members of the other two sections, and also the ends of the members 6 of the four sections, in pairs. After the ends of the members 5 and 6 have been so relatively positioned, a sleeve 9 is slid to position to inclose or embrace the said ends of the members of the sections, and through openings in the side walls of this sleeve and registering ones of the openings 7 or 8, as the case may be, in the ends of the members 5 or 6, are passed bolts 10, which serve to hold the associated members of the sections of the frame in the position to which they are adjusted at the time of assembling.

It will be understood, from the foregoing description of the top frame of the device embodying the invention, that where the device is to be applied to a double bedstead, the two halves of the frame are separated by loosening the bolts which pass through the sleeve 10 and the openings 8 in the members 6 of the sections of the frame, and, after adjustment, reinserting the bolts in position, and that where the device is to be applied to a single bedstead, the two halves of the frame are to be moved together, or, in other words, an opposite adjustment is to be secured. Furthermore, it will be understood that there is provided a top frame which is adjustable both as regards its length and breadth, so that it may be applied not only to beds of various widths, but also to beds of various lengths. It is desirable that means be provided for bracing the side and end members of the top frame of the device, and this means is preferably embodied in a wire or cable 11, which is passed through eyes 12, formed each at one end of the shank of a hook 13, these hooks being engageable with eyes 14, formed at the inner ends of the bolts 10. It will be understood of course that when adjusting the sections of the frame, or when disassembling the sections of the frame, these hooks 13 may be readily disengaged from the eyes 14 of the bolts 10, and the brace wires or cables be in this manner removed or disconnected from the sections of the frame.

As shown in Figs. 1 and 2 of the drawings, each of the standards or uprights for supporting the frame heretofore described, is comprised of an upper section 15, and a

lower section 16, and these two sections are removably and adjustably connected by means of a sleeve 17, which embraces overlapped ends of the said sections 15 and 16, and through which and registering perforations 18 in the said sections 15 and 16, is engaged a bolt 19. Of the perforations 18, there are a number in each section 15 and 16, so that by relatively adjusting the sections 15 and 16, each standard or upright may be adjusted as to its length, and the frame may be in this manner supported to a greater or less height above the bed B, upon which the device is arranged. Each of the sections 15, at its upper end, is formed with an off-set pintle portion or eye 20, in which is received the connecting portion 21 of a U-shaped pintle, the spaced portions of which are indicated by the numeral 22, and are secured at their ends to the member 5 of each frame section adjacent the point of junction of this member with the member 6 of the section. The connecting portions 21 of the U-shaped pintle lie in a plane slightly below the plane of the lower edge of the corresponding member 5, and the portion of the section 15 of each upright or standard is bent so as to extend beneath the said lower edge of the member 5, and thence upwardly beside the outer face thereof, provided, of course, that the section 15 is depending at right angles from the member 5.

From the foregoing, it will be understood that the standards or uprights, described, by reason of the connection had between the upper ends of their sections 15 and the members 5 of the sections of the frame of the device, are foldable inwardly and upwardly upon the U-shaped pintles 22 and their pintles 20, to lie within the said top frame, but that the said standards or uprights are limited in their outward swinging movement, or in other words, are prevented from swinging outwardly past a vertical plane by the engagement of their upper off-set ends 23 with the said members 5 of the frame sections to which they are hinged, and that owing to this construction, when the lower ends of the standards or uprights are engaged with the side-boards or rails C of the bedstead B, the top frame having been previously adjusted to the same dimensions as the said bedstead, the said uprights or standards will be held firmly in upright position, and in position to properly support the top frame. In order that the lower ends of the sections 16 of the uprights or standards may be removably engaged with the said side-boards or rails C of the bedstead B, each of said sections 16 of the said lower end is formed or provided with an off-set resilient gripping element 24, between which and the opposed portion of the lower end of the said section 16, is received the upper edge of the said side-boards or rails C of the said bed-

stead, this engagement of the section 16 with the side-board being a frictional one owing to the resiliency of the member 24.

From the description of the invention so far given, it will be understood that not only is the top frame of the device adjustable for use in connection with bedsteads of various breadths and lengths, but also that the uprights or standards for supporting the said top frame may be adjusted as regards their length, and thereby be caused to support the top frame at various heights above the bedstead, at the will of the occupant of the bed. It will further be understood that the sections 15 and 16 of all of the standards or uprights may be separated when it is desired to pack the device in a small space, and that after the section 16 of each upright has been disconnected from the section 15 thereof, the section 15 may be folded to lie directly inwardly of the member 6 of the section to which it is attached, and will, when in this position, occupy no appreciable space. The sections 16 can of course be disposed or laid upon the sections 15 after the sections 15 have been folded as above stated, and will therefore not take up much space.

As shown in Fig. 1 of the drawings, the canopy which is to be supported by the supporting frame heretofore described, comprises a center or top portion 25 to the side or longitudinal edges of which are stitched side flaps 26, and to the end edges of which are stitched the upper edges of end flaps 27. Preferably, the center 25 and the side and end flaps are of ordinary cloth material which is more or less closely woven, and stitched also to the longitudinal edges of the center piece 25 of the canopy are flap 28, of mosquito netting, these flaps being located beneath the side flaps 26. It will be understood of course that when desired the flaps 26 may be draped down over the netting flaps 28, to keep out drafts, but that when so desired, these flaps 26 may be thrown over upon the top or center piece 25 of the canopy, so that draft may pass from side to side of the bed, through the netting flaps 28. It will be observed, from the said Fig. 1 of the drawings that the upper edges of the said flaps, 26, 27 and 28 are not stitched to the center or top piece 25 of the canopy directly at the aforementioned edges thereof, but along a line inwardly of but parallel to the said edges, so that a continuous flounce portion 29 will be formed around the edges of the center piece 25 of the canopy, the upper edge portions of the flaps 26, 27 and 28, being in this manner protected to a certain degree.

What is claimed is:—

1. In a device of the class described, a frame, pintle members carried by the frame, and supports having connection with the pintle members whereby they are hingedly

connected with the frame, the said supports having each a portion beyond the point of connection with the pintle member engageable with the frame when the supports are in unfolded position to hold the frame against movement beyond such position.

2. In a device of the class described, a frame, and supports hinged to the frame, each of said supports having a portion engageable with the frame to hold the support against unfolding beyond a predetermined position with respect to the frame.

3. In a device of the class described, a frame including sides, supports hingedly connected with the sides, each of said supports having its upper end arranged to en-

gage with the corresponding side of the frame when the supports are in position to support the frame, such engagement of the supports with the sides of the frame serving to hold the supports against swinging beyond position to support the frame.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

MILES ^{his} X T. SKINNER.
mark

Witnesses:

J. L. JONES,
A. M. DEERING.