No. 636,548. Patented Nov. 7, 1899.

P. M. OWEN.

CANOPY FOR BEDS, COUCHES, &c.

(Application filed June 28, 1899.)

(No Model.)

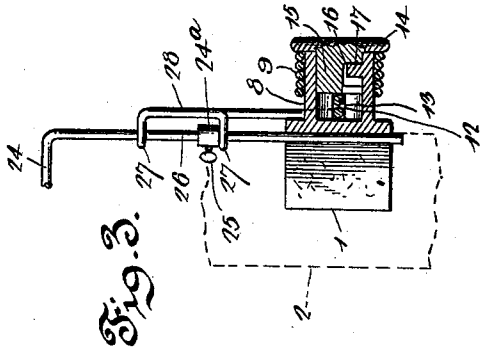


Fig. 3.

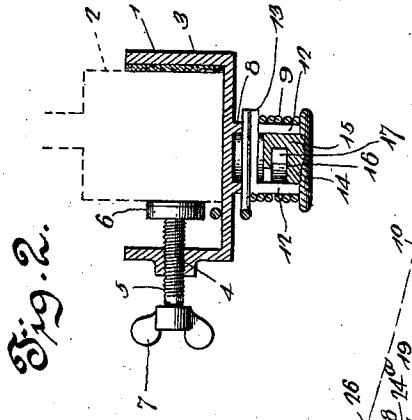


Fig. 2.

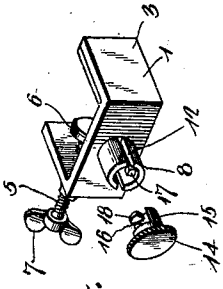


Fig. 4.

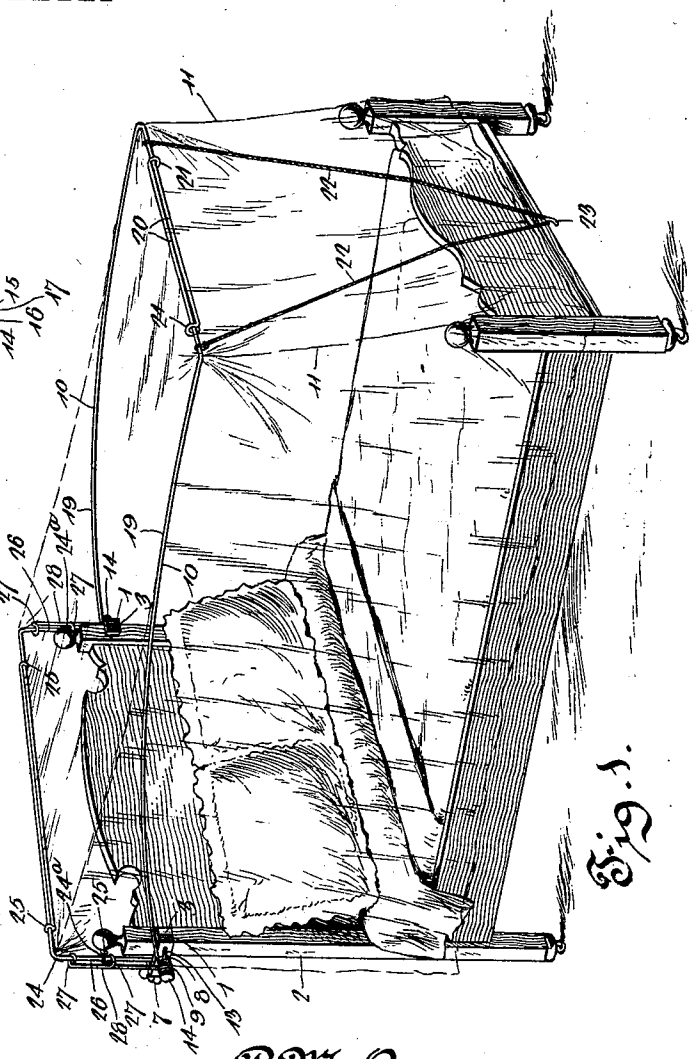


Fig. 1.

Witnesses
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By his Attorneys,
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C

UNITED STATES PATENT OFFICE.

PETER M. OWEN, OF SAN ANTONIO, TEXAS, ASSIGNOR OF ONE-HALF TO CHARLES X. GUTZEIT, OF SAME PLACE.

CANOPY FOR BEDS, COUCHES, &c.

SPECIFICATION forming part of Letters Patent No. 636,548, dated November 7, 1899.

Application filed June 28, 1899. Serial No. 722,176. (No model.)

To all whom it may concern:

Be it known that I, PETER M. OWEN, a citizen of the United States, residing at San Antonio, in the county of Bexar and State of Texas, have invented a new and useful Canopy for Beds, Couches, &c., of which the following is a specification.

The invention relates to improvements in canopies for beds, couches, &c.

The object of the present invention is to improve the construction of canopies for beds, couches, and analogous furniture and to provide a simple, inexpensive, and efficient device which will be strong and durable and which will enable a netting to be readily handled to arrange it around a bed in the usual manner and to support it in an elevated position to remove it from over the bed.

A further object of the invention is to provide a device of this character which may be readily adjusted to suit the size of the couch or bed to which it is to be applied and may be secured to the same without marring or defacing the finish thereof.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of a canopy constructed in accordance with this invention and shown applied to a bed. Fig. 2 is a horizontal sectional view of one side of the canopy, illustrating the manner of mounting the same on the bed. Fig. 3 is a vertical sectional view of a portion of the device. Fig. 4 is a detail perspective view of one of the clamps.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 1 designate a pair of clamps arranged at opposite sides of a bed 2 and adapted to engage the headboard thereof, as clearly illustrated in Fig. 1 of the accompanying drawings, and each clamp consists of a substantially rectangular frame open at the inner side to receive the bedstead; but instead of making the clamp rectangular it may be constructed of any other form to conform to the configuration of the bedstead or couch to which it is to be applied. The front end 3 of the clamp constitutes one of the jaws thereof, and the rear end is provided with a threaded aperture 4, receiving a clamping-screw 5, which is provided at its inner end with an engaging head 6 and at its outer end with a winged grip or thumb-piece 7, whereby it may be readily rotated to clamp and release a bedstead. The inner faces of the front end and the outer side of the clamp and the engaging face of the head 6 are provided with a suitable covering of felt or other material to prevent the device from scratching or otherwise marring the finish of a bedstead or other piece of furniture.

The outer side of the clamp is provided with a tubular stud or projection 8, forming a support for coils 9 of one side of a substantially rectangular frame 10, which supports a netting 11. The tubular stud is provided with a slot 12, and the inner end 13 of the coils which form the spring is arranged within the slot, whereby the spring is connected with the same. The coils of the spring are retained on the tubular support or stud by a removable head 14, having a stem 15 arranged to extend within the tubular support and provided with a substantially L-shaped groove 16, which is engaged by a projection 17 of the tubular support. The projection 17, which is arranged within the tubular support, is engaged by the stem of the head 14, which is inserted within the support and partially rotated to carry the projection into the transverse portion of the slot of the stem. The transverse portion of the slot is arranged at an obtuse angle to the entrance portion of the slot to form a wedge 18, which is adapted to lock the head on the support. The head, which is preferably in the form of a disk, projects beyond the support and forms an exterior annular flange or spout which is engaged by the coils. The head is adapted to be readily detached when desired, and when it is removed the spring may be readily taken off the support. Instead of providing the substantially L-shaped slot or groove 16 and the projection 17 any other suitable means may be employed for detachably interlocking the stem 15 with the interior of the tubular stud or projection 8.

The oblong or rectangular frame which supports the netting is composed of two sides 19, provided at their outer ends with transverse overlapping arms 20, having terminal eyes 21, the eye of each of the arms receiving the other arm, whereby a sliding connection is provided. The arms are adapted to slide on each other to vary the width of the frame to enable it to be adjusted to suit various beds and couches, and the said arms form the outer end of the supporting-frame.

The supporting-frame is maintained in substantially a horizontal position, as illustrated in Fig. 1 of the accompanying drawings, by suitable cords 22 or other flexible connections which are adapted to engage a hook 23 or other form of stop located at the bottom of the bed, or it may be located at any other desired point. When the flexible connection 22 is disengaged from the stop 23, the springs, which are located at opposite sides of the frame, operate to swing the latter in an upright position, whereby the netting is carried off the bed and is arranged out of the way.

The netting is supported at the top of the headboard by an adjustable frame 24, composed of two substantially L-shaped members having vertical side portions and horizontal top portions, terminating in eyes 25 and arranged similar to those of the arms of the main supporting-frame, whereby the frame 24 may be readily adjusted to suit the width of the bedstead or couch to which it is to be applied. The sides 26 of the frame 24 extend through eyes 27 of vertical supports 28, constructed of wire and having terminal arms 29 arranged in the slots of the tubular supports of the bed-clamps, and the said frame 24 is retained at any desired vertical adjustment by collars or rings 24^a, arranged on the sides 26 and located between the eyes 27. The collars or rings 24^a are provided with clamping-screws to secure them at any point on the sides 26, and they are adapted to rest upon the lower eyes 27. The lower ends of the sides 26 extend within the clamp. The frame 24 provides a straight horizontal supporting-surface for the netting and is designed to be employed on bedsteads having an irregular headboard.

It will be seen that the means for supporting a netting or other covering over a couch, bed, or analogous piece of furniture are simple and durable and that the device may be readily applied to beds and couches without scratching or otherwise marring the finish of the same and that it is capable of adjustment to suit the width of the bed or couch to which it is to be applied. It is adapted to afford perfect ventilation and complete protection from mosquitos and other insects, and it is capable of swinging the netting out of the way when it is desired.

Changes in the form, proportion, size, and the minor details of construction within the scope of the appended claims may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention, such as forming the vertical supports 28 integral with the arms of the coiled springs or of separate parts, as illustrated in the accompanying drawings.

What is claimed is—

1. A device of the class described comprising a pair of clamps adapted to engage the sides of a bed and provided with rounded supports disposed horizontally and slotted, a frame adapted to support a netting and provided at the inner ends of its sides with coiled springs arranged on the exterior of the said supports and engaging the slots thereof, and means for retaining the springs on the supports, substantially as described.

2. A device of the class described comprising a pair of clamps designed to be secured to the opposite sides of a bed and provided with tubular supports, a supporting-frame provided at opposite sides with coiled springs arranged on the supports and engaging the same, and heads for retaining the springs on the supports, provided with stems extending into the latter and interlocked with the same, substantially as described.

3. A device of the class described comprising clamps provided with tubular supports having interior projections, a supporting-frame having coiled springs arranged on the supports, and heads retaining the springs on the supports and provided with stems extending into the said supports and having substantially L-shaped grooves arranged to receive the interior projections, substantially as and for the purpose described.

4. A device of the class described comprising clamps provided with tubular supports having slots, interior projections arranged within the supports, a supporting-frame having coiled springs mounted on the tubular supports and provided with arms engaging the said slots, and heads retaining the springs on the supports and provided with stems interlocked with the said projections, substantially as described.

5. A device of the class described comprising clamps provided with horizontally-disposed supports having rounded exteriors, a main supporting-frame adapted to swing upward and downward and composed of sides provided at their inner ends with horizontal coils arranged on the said supports, said sides being provided at their outer ends with arms overlapping each other and slidingly connected and forming the outer end of the frame, and a frame 24 arranged at the inner end of the main frame and composed of two substantially L-shaped members having their horizontal portions overlapped and slidingly connected, substantially as described.

6. A device of the class described comprising clamps, a main frame mounted on the clamps, vertical supports secured to the clamps and provided with alined eyes arranged in pairs, the frame 24 provided with depending vertical portions passing through

the eyes and extending into the clamps, and adjustable collars mounted on the vertical portions of the frame 24, located between the eyes and provided with fastening devices engaging the said frame 24, substantially as described.

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

PETER M. OWEN.

Witnesses:
JOS. W. MADDOX,
F. B. GRIGG.