

R. A. BOWER.

HEAD ENVELOP.

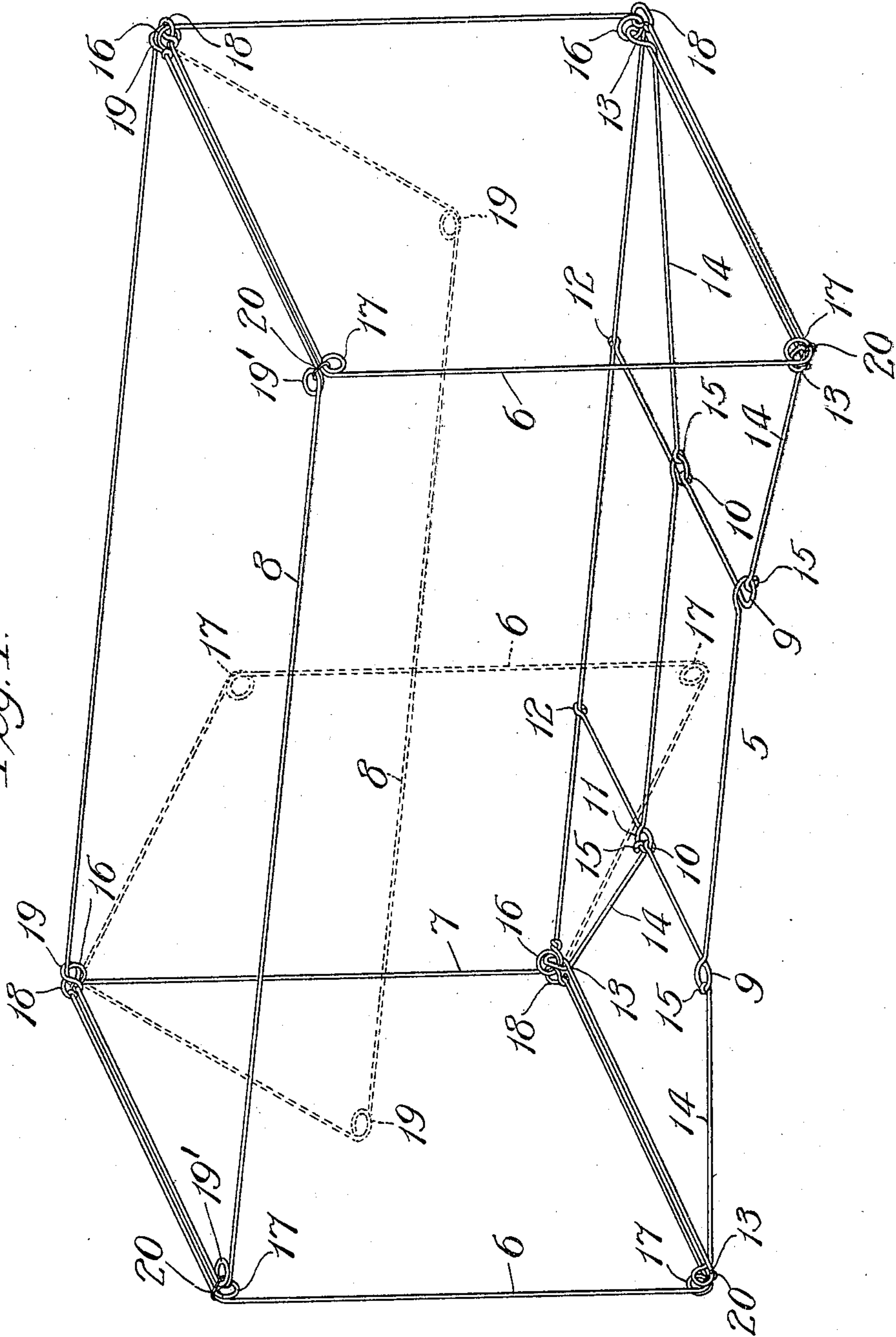
APPLICATION FILED JULY 1, 1910.

Patented Nov. 15, 1910.

3 SHEETS—SHEET 1.

975,745.

Fig. 1.



Witnesses:

*Chas. A. Bower*  
*Chas. A. Bower*

Inventor:

*Robert A. Bower*  
*By Dyrenforth, Lee, Chittenden & Wells,*  
*Attys.*

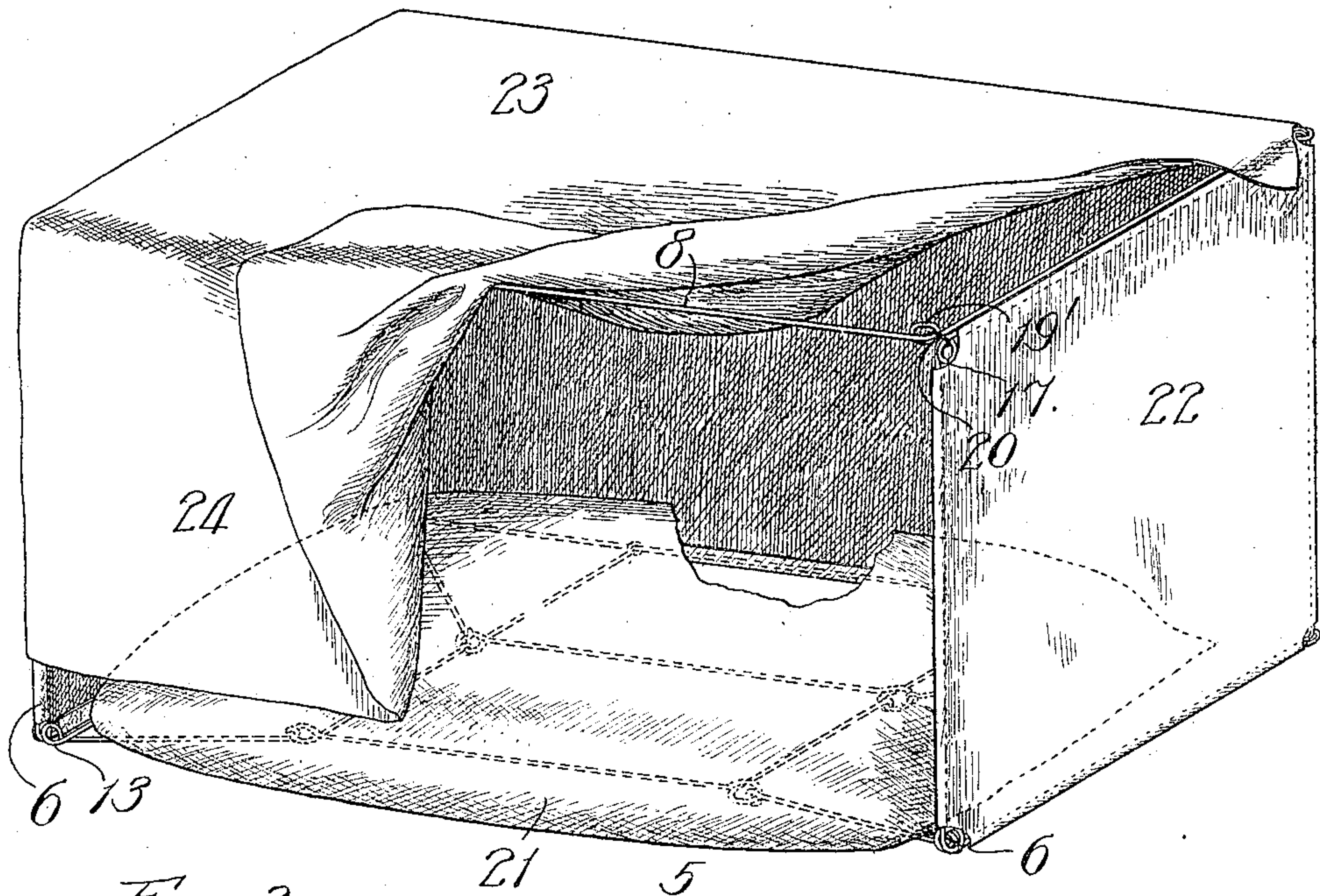
R. A. BOWER.  
HEAD ENVELOP.  
APPLICATION FILED JULY 1, 1910.

975,745.

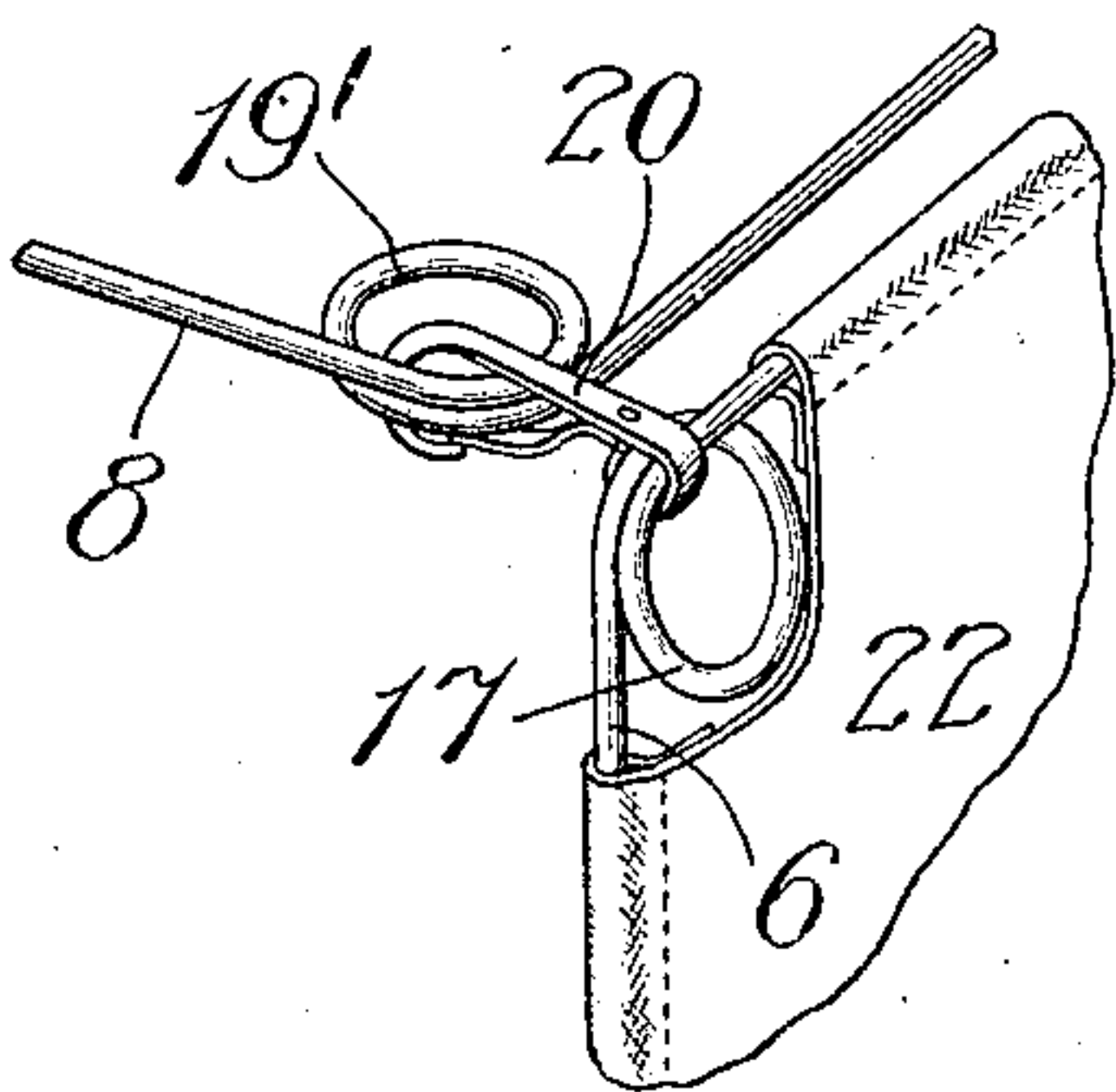
Patented Nov. 15, 1910.

3 SHEETS—SHEET 2.

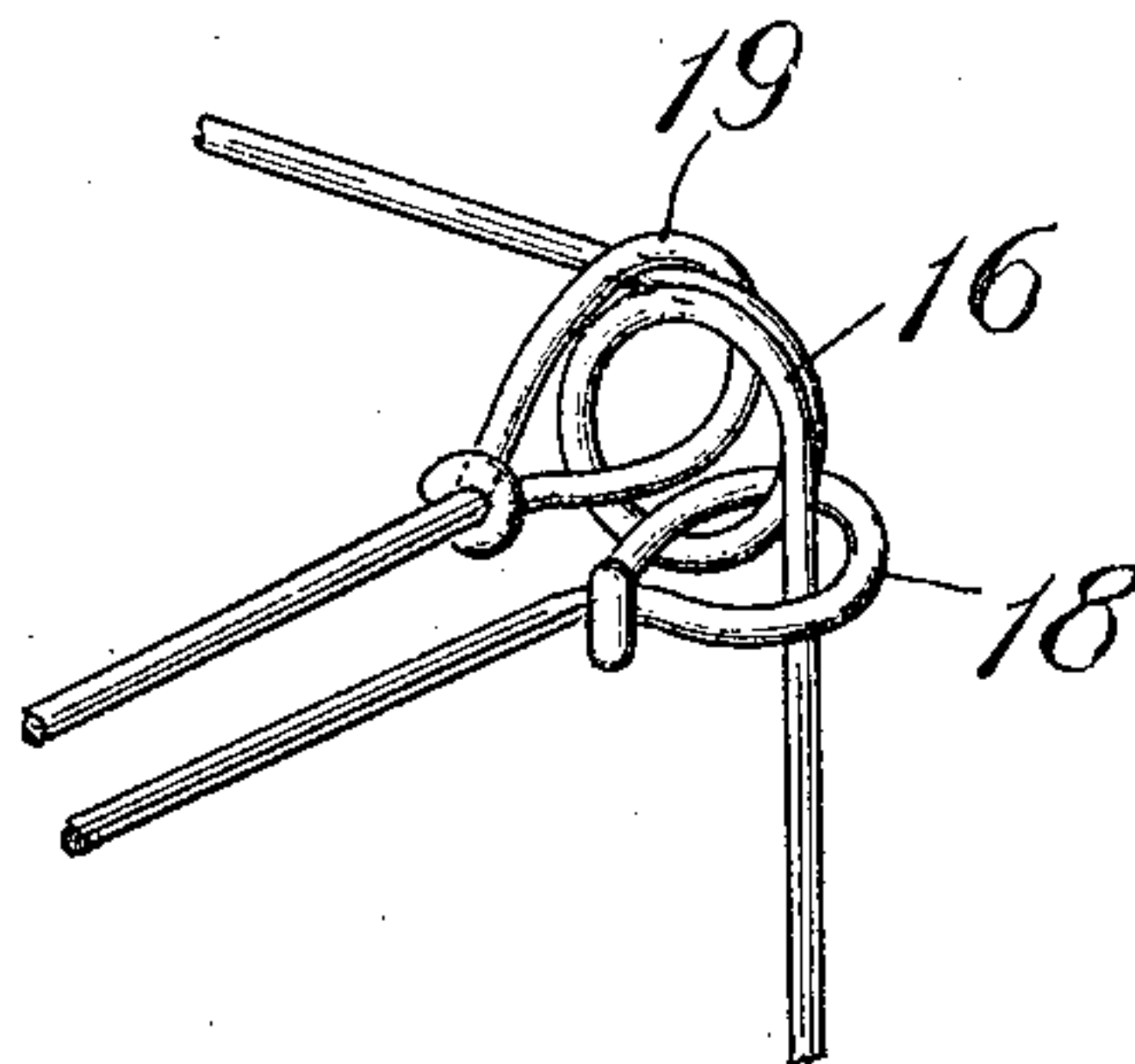
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



Witnesses:  
E. C. Gaylord,  
Chas. H. Bull.

Inventor:  
Robert A. Bower.  
By D. J. Lee, Christy & Miller,  
Attys.

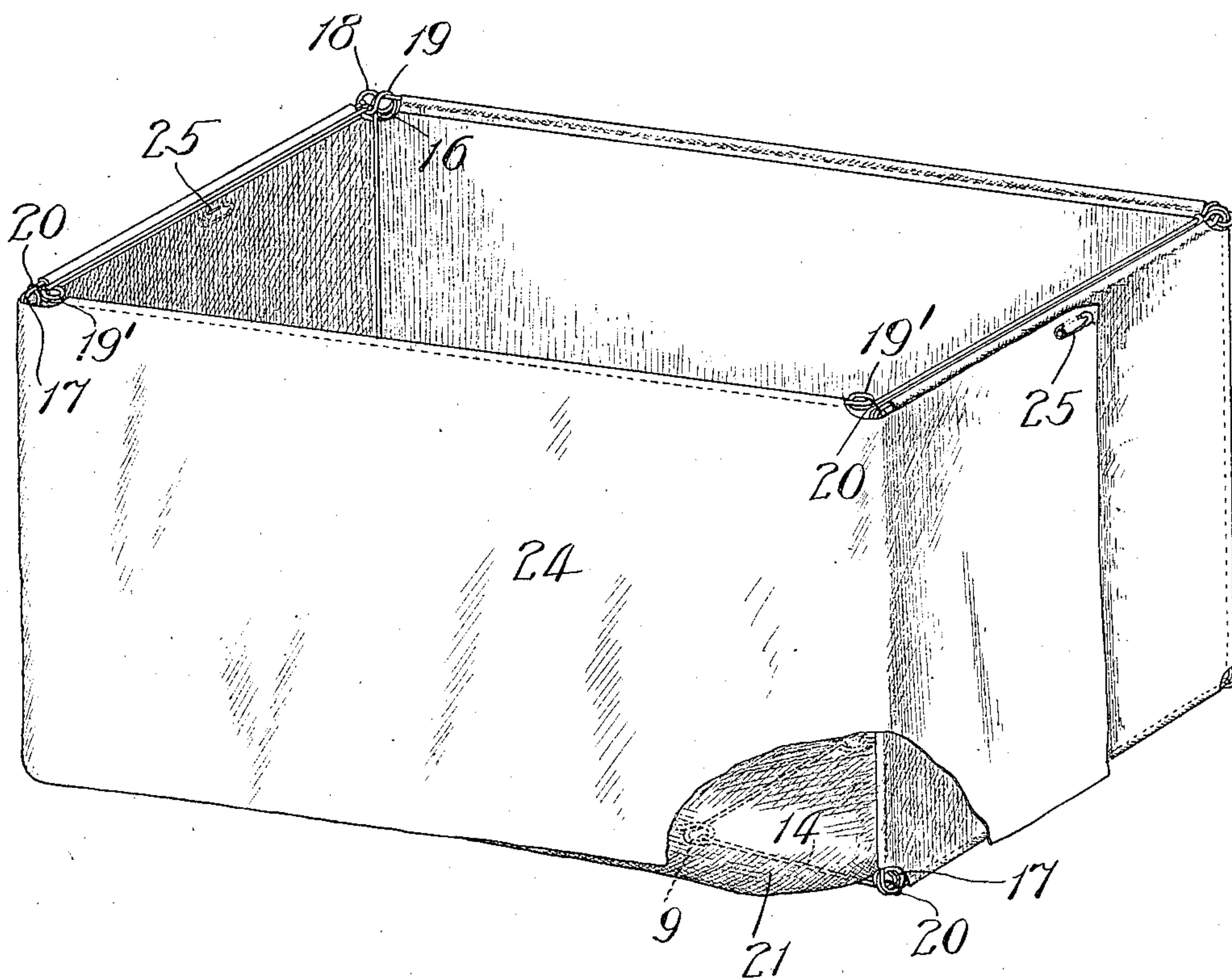


R. A. BOWER.  
HEAD ENVELOP.  
APPLICATION FILED JULY 1, 1910.

975,745.

Patented Nov. 15, 1910.  
3 SHEETS—SHEET 3.

*Fig. 2.<sup>a</sup>*



Witnesses:  
Ed. C. Gaylord,  
Chas. H. Buell.

Inventor:  
Robert A. Dower,  
By Dyrenforth, Lee, Crittton & Mcla,  
Attys.



# UNITED STATES PATENT OFFICE.

ROBERT A. BOWER, OF CHICAGO, ILLINOIS.

## HEAD-ENVELOP.

975,745.

Specification of Letters Patent.

Patented Nov. 15, 1910.

Application filed July 1, 1910. Serial No. 569,951.

*To all whom it may concern:*

Be it known that I, ROBERT A. BOWER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Head-Envelops, of which the following is a specification.

The object of my invention is to provide, in means for shielding from drafts the head of a sleeping person, a portable envelop in the form of a covered frame of light construction and collapsible to enable it to be readily packed away and carried about, when out of use, and which is adapted to contain a pillow.

In the accompanying drawing, Figure 1 is a perspective view showing a preferred form of my device and indicating by dotted representation the manner of folding it; Fig. 2 is a similar view of the device in condition for use; Fig. 2<sup>a</sup> is a view the same as Fig. 2, but showing a slight modification; Fig. 3 is a perspective view of the corner construction showing the manner of attaching the side-pieces, and Fig. 4 is a similar view showing a rear corner construction.

The frame is constructed entirely of light, stiff wire, though other suitable material may be used.

The frame-structure contains a base 5 for supporting a pillow, similar ends 6, 6, a back 7 rising from the base, and a top 8. The base 5 is substantially rectangular in form and consists of a central section and two lateral sections. The central section comprises a front part and a rear part, the front corners of which are loops 9 and 11, respectively, with eyes 10 on the front part engaging the loops 11 and eyes 12 on the rear part engaging the back 7, as shown. At opposite ends of the central section of the base are similar extensions, each of general trapezoidal shape, consisting of a continuous length of wire bent to produce corner-loops 13 with converging arms 14 terminating in eyes 15 engaging the loops 9 and 11 to flexibly fasten them to the central section. The back 7 is of rectangular shape and is formed with four sides of a single length of wire with a loop 16 in each corner. Each of the two rectangular ends 6 is three-sided and formed of a continuous length of wire with corner-loops 17 and end-eyes 18, the latter engaging the upper and lower back-loops 16, with the lower of which the rear-eyes 13 of the base-extension engage. The rectangular

top 8 is three-sided and formed of a continuous length of wire with eyes 19 on its rear ends engaging loops 16 of the back 7, and loops 19<sup>1</sup> in its forward corners. Thus the back has hingedly connected with it the ends, the base and the top to adapt them to be folded to collapse the device into compact condition for stowing it away or carrying it in a suit-case.

To set up the device, the back and base are adjusted to extend at right-angles to each other, and the top is adjusted to extend from the back parallel with the base, and the ends are adjusted to extend at right-angles to the base; and the parts are fastened, as by snap-hooks 20 (Fig. 3) which may be permanently hung on the loops 17, by engaging such hooks respectively with adjacent base-loops 13 and top-loops 19<sup>1</sup>.

The device is of sufficient size to receive a pillow 21 upon the base 5. The frame is covered with a suitable fabric, preferably of very light weight, such as cheese-cloth, silk or the like. In the preferred form, one length, 22, of the cloth extends over the back and both ends of the frame and may be either permanently or releasably fastened thereto in any suitable manner, and another length, 23, of cloth is similarly fastened, as shown in Fig. 2, to extend from the upper rail of the back 7 over the top 8, preferably in loose condition, and hung as an adjustable curtain 24 over the front side of the frame-structure.

To use the device, it is placed in its set-up condition, in position with a pillow within it for the user's head, which, with the curtain 24 adjusted to suit conditions, as for excluding more or less air, is effectually shielded against drafts, dust and the like.

While the use of my device is attended with equal advantage for outdoor sleeping and indoor sleeping with open windows, I have more especially devised it for use in the berths of sleeping-cars, for which the facility with which it may be folded and carried in traveling peculiarly adapts it. In this use, the flexibility of the base is particularly advantageous in permitting it to yield with the pillow upon it, under the weight of the user's head, which thus remains undisturbed by the jolting motion of the car; and the dimensions of the envelop are sufficient to accommodate the user's head in all positions and without disturbing the occupant of the berth when changing from



one recumbent position to another. This flexibility of the base, moreover, adapts it, when weighted by the user's head, to follow depressions in the couch and thus prevents appreciable tipping of the envelop.

Fig. 2<sup>a</sup> shows a modified form which has no top covering. This form is desirable for purposes of ventilation and for permitting the insertion and withdrawal of the pillow without disturbing the curtain; and it enables the curtain to be permanently secured to the front rail of the frame-member 8 and permits the end-portions of the curtain to be extended partway over the covered ends 6, where they may be releasably fastened, as at 25, to overlap the forward corners and exclude drafts.

I do not limit the construction of my head-envelop to the particular materials and arrangement thereof hereinbefore specified, since the frame and its covering may be composed of any suitable materials, provided they permit the frame to be collapsed into folded condition from that of its chamber-forming condition in service.

What I claim as new, and desire to secure by Letters Patent, is—

1. A head-envelop for the purpose set forth, comprising a collapsible covered frame having folding walls adjustable into chamber form with an open front and a

flexible pillow-supporting base, and means for separably fastening together the walls and base in their chamber-forming relation, the device being adapted to rest upon a couch.

2. A head-envelop for the purpose set forth, comprising a collapsible covered frame forming folding end, back, top and bottom walls adjustable into chamber form with an open front, the bottom wall forming a pillow-supporting base, means for separably fastening together said walls in their chamber-forming relation, and a curtain for said open side, the device being adapted to rest upon a couch.

3. A collapsible head-envelop for the purpose set forth, comprising a wire frame composed of a back formed with corner-loops, ends having rear eyes engaging said loops and forward corner-loops, a top having rear eyes engaging corner-loops of the back and forward corner-loops, and a pillow-supporting base formed of flexibly-connected sections, means separably connecting the top and base with the ends at the corner-loops, a cloth covering about said walls and a curtain.

ROBERT A. BOWER.

In presence of—

A. U. THORIEN,  
R. A. SCHAEFER.