

No. 724,733.

PATENTED APR. 7, 1903.

I. E. PALMER.
COMBINED CANOPY AND SUPPORTING FRAME.

APPLICATION FILED JAN. 10, 1902.

NO MODEL.

Fig: 1.

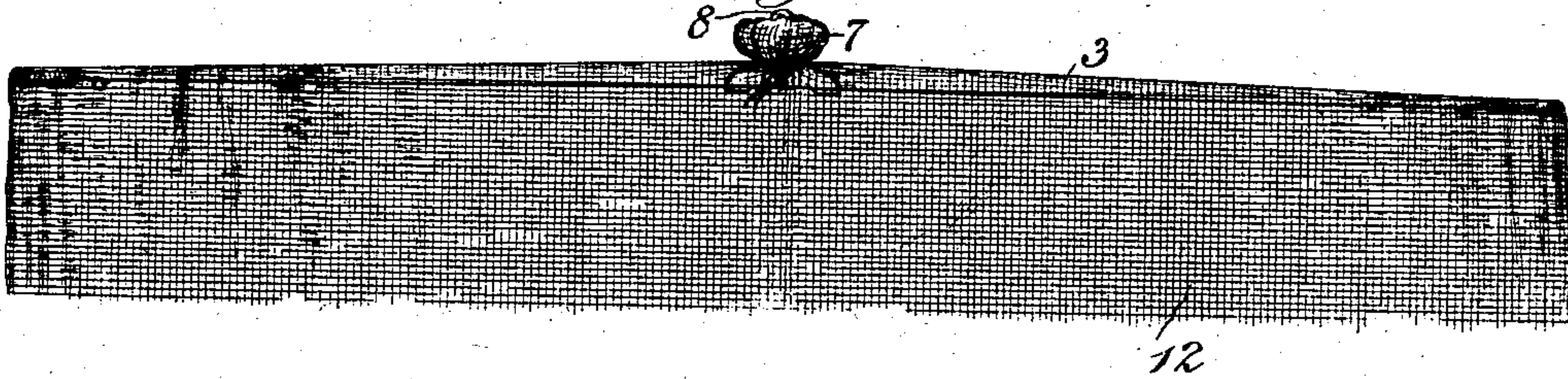


Fig: 2.

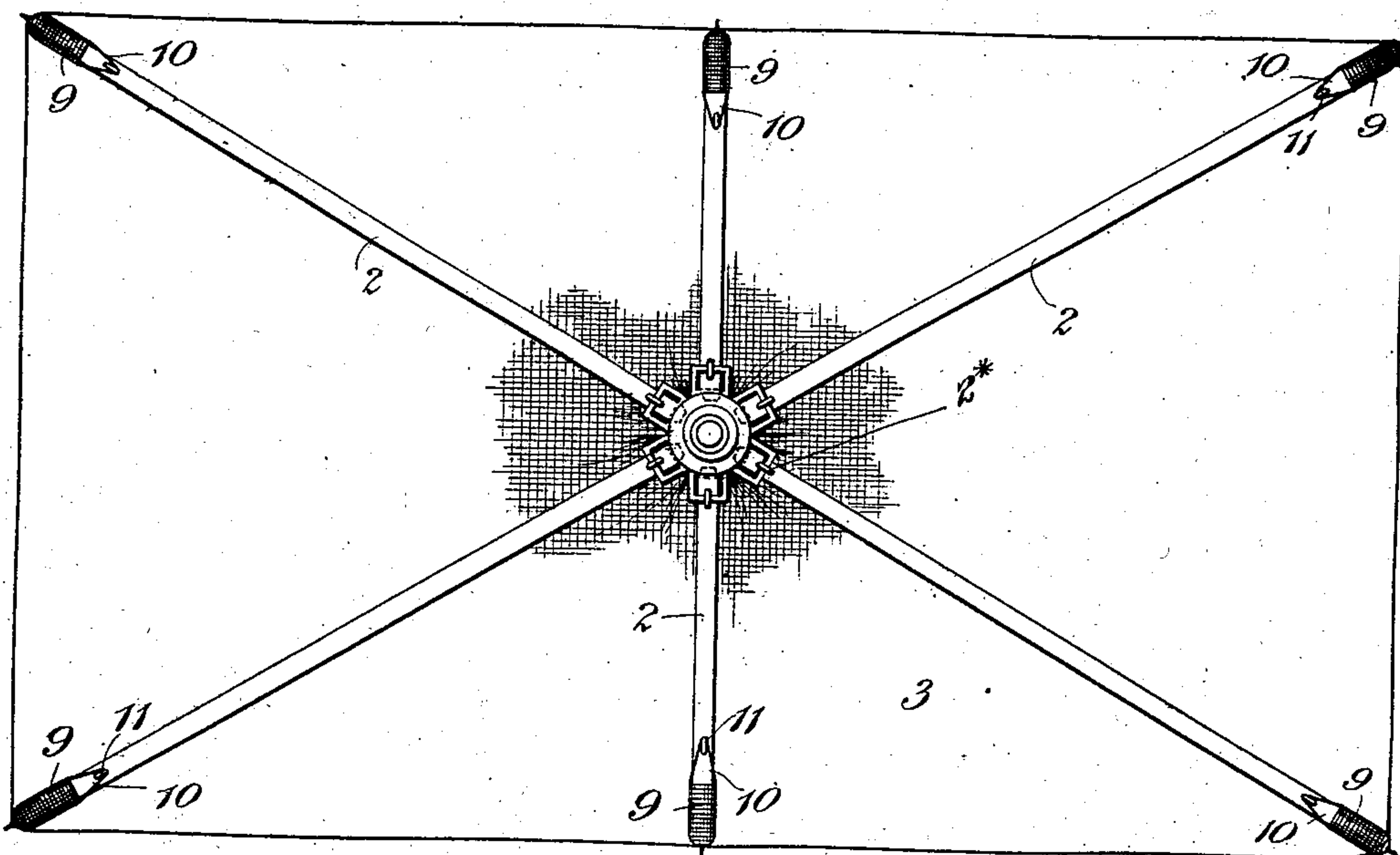


Fig: 3.

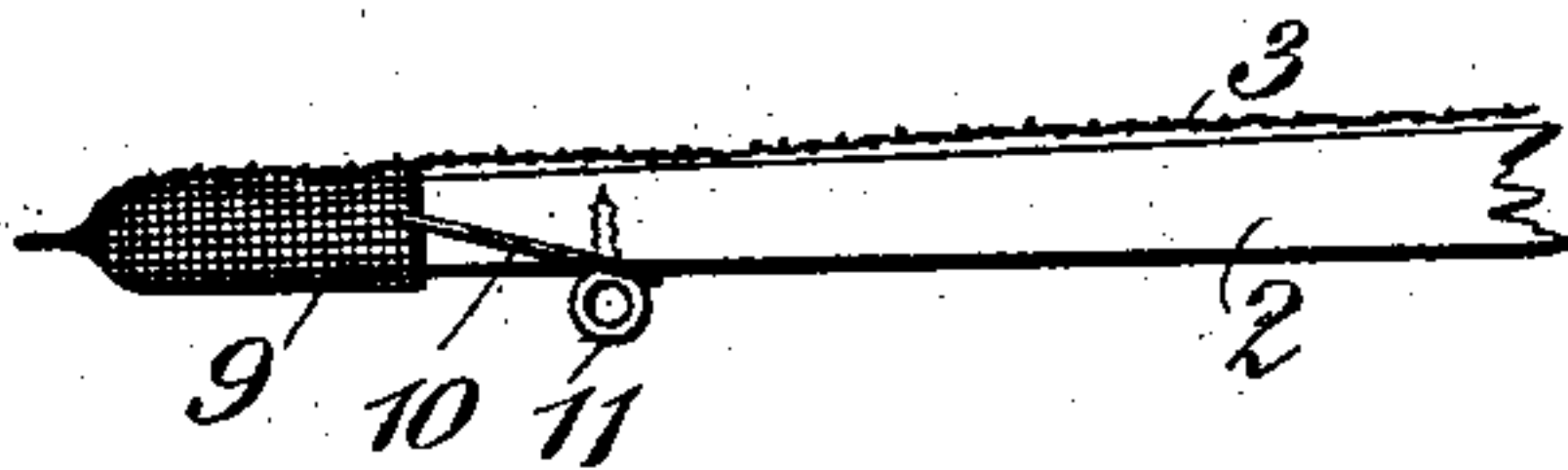


Fig: 4.

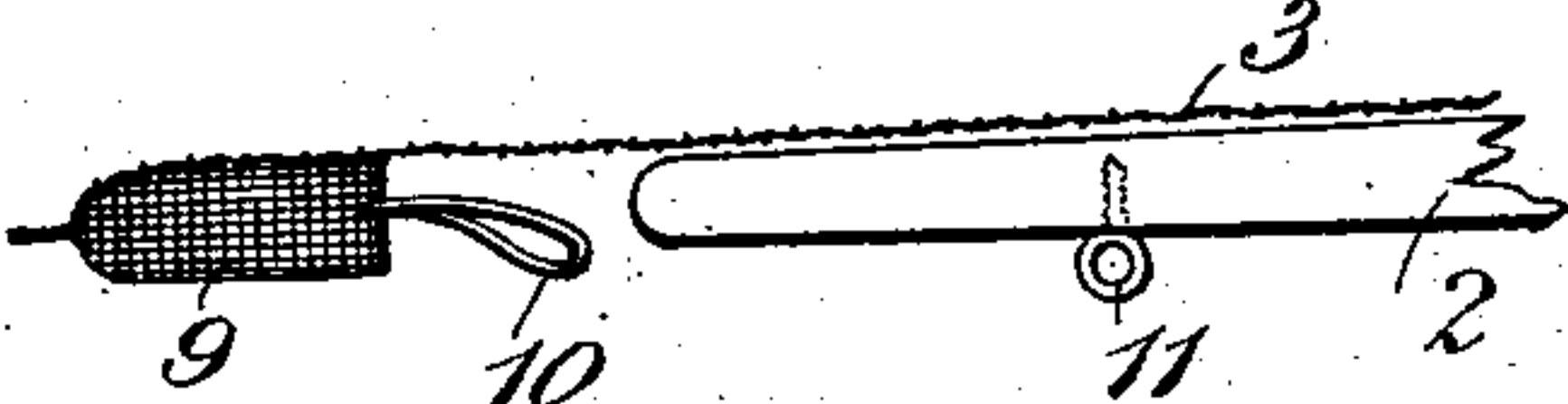
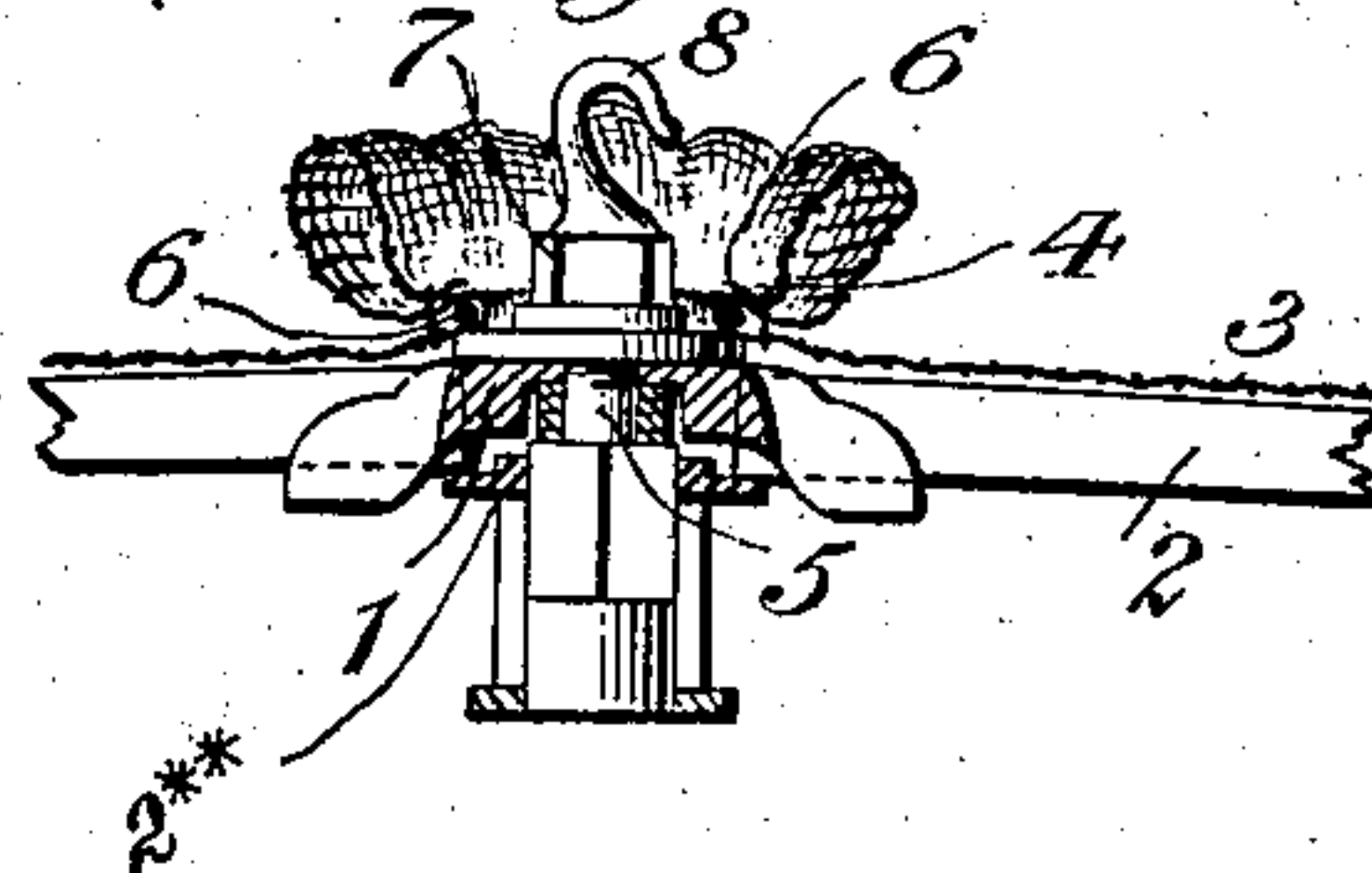


Fig: 5.



Witnesses:
John A. Rennie.
Henry Thieme.

Inventor:
I. E. Palmer
by attorney
Brown & Howard

UNITED STATES PATENT OFFICE.

ISAAC E. PALMER, OF MIDDLETOWN, CONNECTICUT.

COMBINED CANOPY AND SUPPORTING-FRAME.

SPECIFICATION forming part of Letters Patent No. 724,733, dated April 7, 1903.

Application filed January 10, 1902. Serial No. 89,118. (No model.)

To all whom it may concern:

Be it known that I, ISAAC E. PALMER, a citizen of the United States, and a resident of Middletown, in the county of Middlesex and State of Connecticut, have invented new and useful Improvements in a Combined Canopy and Supporting-Frame, of which the following is a specification.

My invention relates to certain improvements in combined canopies and supporting-frames in which a canopy may be removably secured to the frame, thus permitting the canopy to be readily removed and cleaned and reattached or removed and replaced by a new canopy when it has become worn or damaged.

A further object is to provide simple and effective means for removably securing a canopy to its supporting-frame, in which the canopy is provided with a plurality of pockets for receiving the ends of the arms of the frame and flexible loops for engaging eyes carried by the said arm, so that the portions of the attaching device carried by the canopy may be washed with the canopy without injuring the same.

A practical embodiment of my invention is represented in the accompanying drawings, in which—

Figure 1 represents a bedstead-canopy and its supporting-frame in side elevation. Fig. 2 is an inverted plan view of the same. Fig. 3 is an enlarged detail view showing one of the arms of the supporting-frame secured within its pocket in the canopy. Fig. 4 is a similar view showing the arm released from its engagement with the canopy, and Fig. 5 is an enlarged sectional view showing the manner of removably securing the center of the canopy to the socket-piece to which the arms of the frame are hinged.

The canopy supporting-frame shown in the accompanying drawings is of the turn-back type, in which a central socket-piece 1 is provided, to which are hinged a plurality of outwardly-extended arms 2, which are intended to engage the top of the canopy 3 at its four corners and at points intermediate its corners on two sides thereof. The arms 2 are hinged, as shown in the present instance, by means of staples 2*, embracing end bars on the sock-

ets, as clearly shown in Fig. 2. A ring 2** slides on the stem of the socket-piece 1 to lock the arms 2 against folding and to permit them to fold, the said ring being fitted to rotate slightly at the limit of its upward movement after the bayonet-joint type to lock and release it. This structure forms specifically no part of my present invention, and is therefore shown only in a general manner, it being understood that my present invention is intended to cover any well-known or approved means of hinging the arms to the socket-piece.

The central portion of the canopy-top 3 is provided with a hole 4 therethrough, which is fitted to be inserted over the central bolt 5 of the socket-piece, and the canopy-top is further provided with a puckering or drawing string 6, located in a hem around the hole 4, whereby the canopy is secured in position when the puckering-string is drawn up tight. A nut 7 has a screw-threaded engagement with the bolt 5, and it is provided with a suitable hook 8 for use in suspending the canopy and its frame.

The canopy is provided with a plurality of pockets 9, arranged in position to receive the outer ends of the arms 2 of the canopy-supporting frame.

The bars 2 are removably secured within the pockets 9 by providing flexible loops 10, preferably leading from the sides of the pockets at their open ends, which loops are fitted to engage the heads of screw-eyes 11, attached to the under sides of the said bars 2. It is desirable that these screw-eyes 11, which form hooks for the engagement of the loops 10, shall be so formed as not to present any projections in which the canopy-netting would be liable to catch as the canopy is opened and closed or removed and attached to the frame. These pockets 9 are preferably made of woven material of sufficient strength to withstand the strain incident to stretching the canopy into its place as the frame is distended.

The side walls of the canopy-netting, which depend from the top 3, are denoted by 12.

In operation when it is desired to remove the canopy for purposes of washing the same or for the attachment of a new canopy the canopy is released by loosening the drawing-string 6 until the outer ends of the bars 2 can

be removed from their respective pockets 9 after the loops 10 are released from their engagement with the screw-eyes 11.

What I claim is—

- 5 The combination with a canopy-frame composed of a socket-piece and arms radiating therefrom and provided with loop-attaching devices near their outer ends, of a canopy having a central opening adapted to receive
10 the top of the socket-piece and with pockets arranged to receive the ends of the radiating arms, the said canopy being provided with means for removably securing the canopy to

the socket-piece and with loops adapted to engage the attaching devices on the arms to 15 hold the pockets removably engaged with the arms.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 6th day of Janu- 20 ary, 1902.

ISAAC E. PALMER.

Witnesses:

PAUL S. CARRIER,
CHAS. M. SAUER.