

No. 880,176.

PATENTED FEB. 25, 1908.

H. C. SWANWICK.

CANOPY.

APPLICATION FILED JULY 8, 1907.

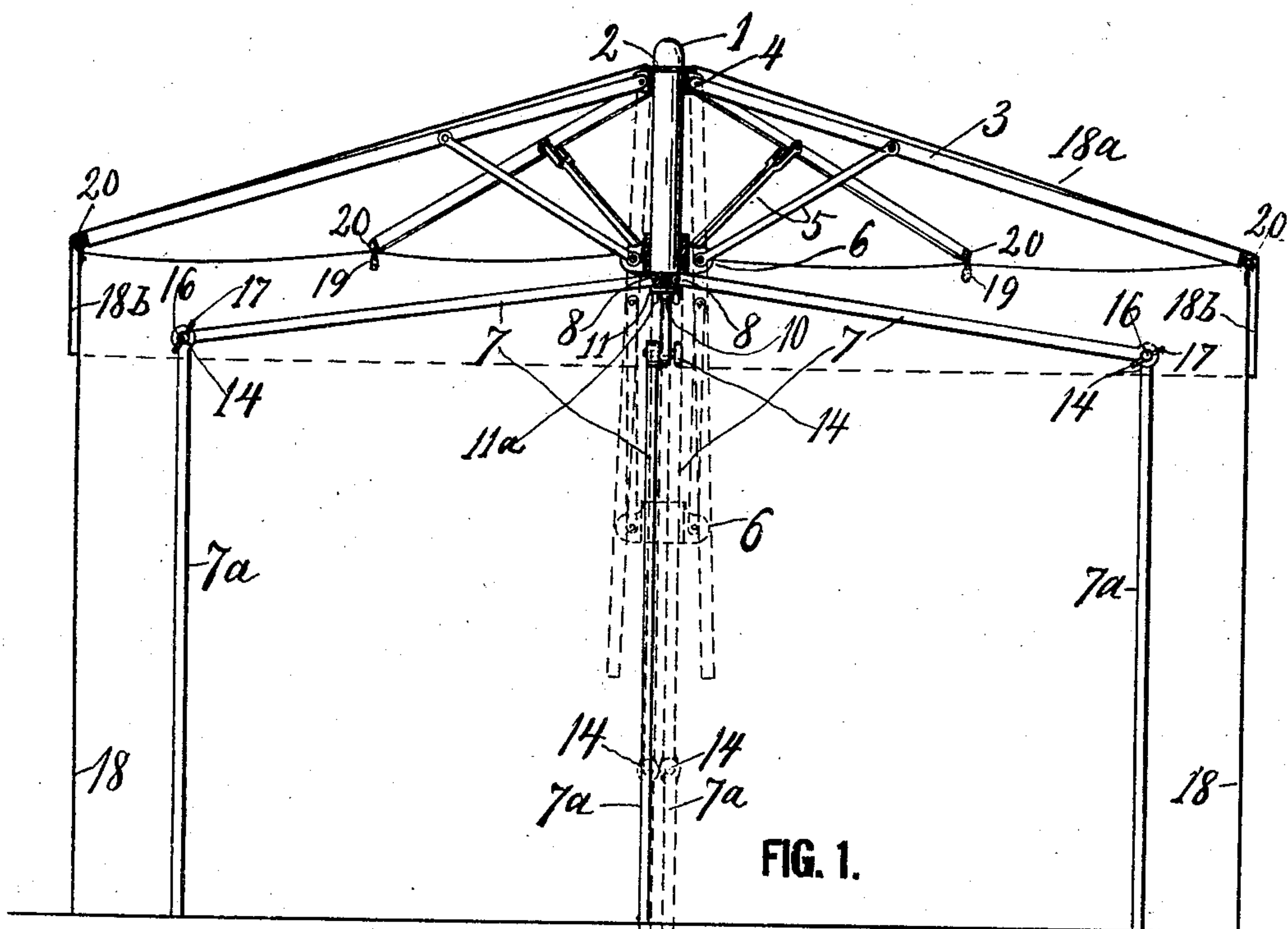


FIG. 1.

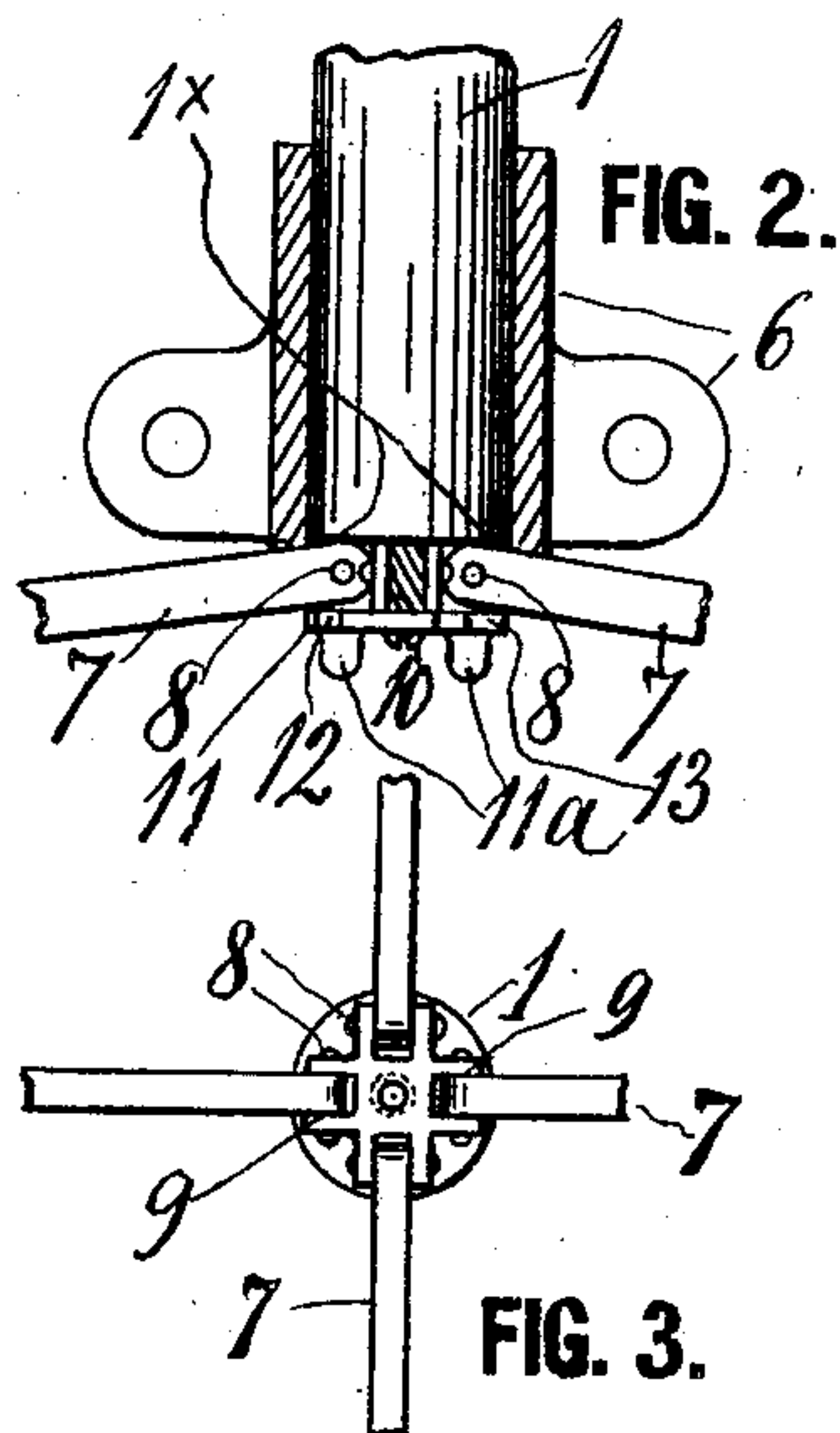


FIG. 2.

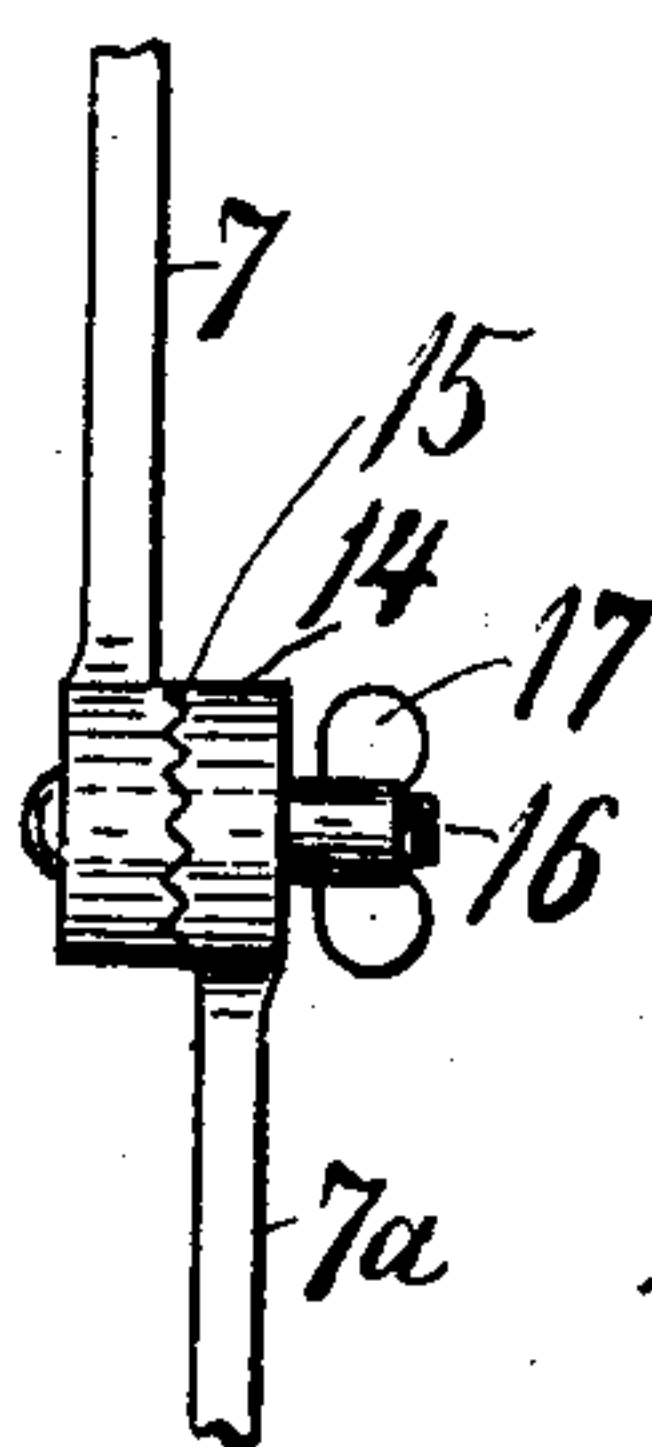


FIG. 3.

FIG. 4.

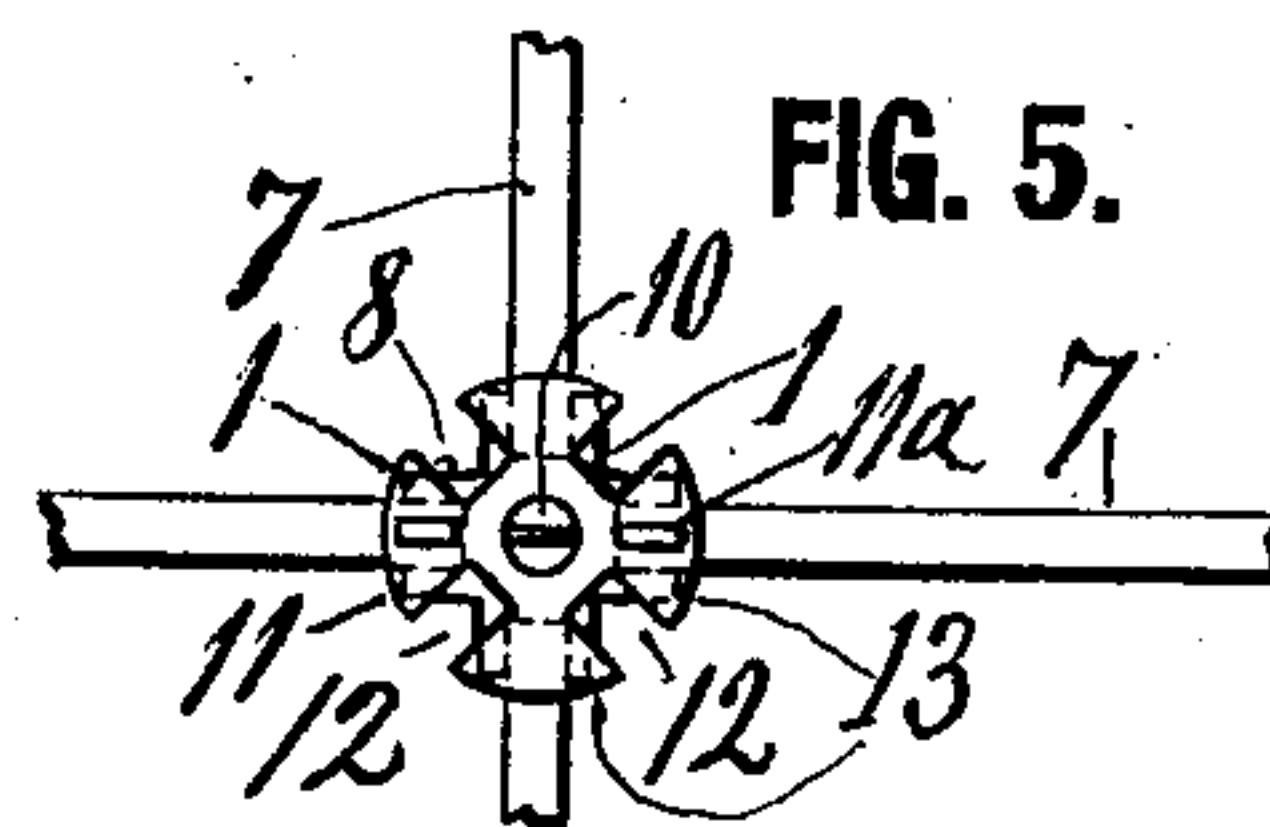


FIG. 5.

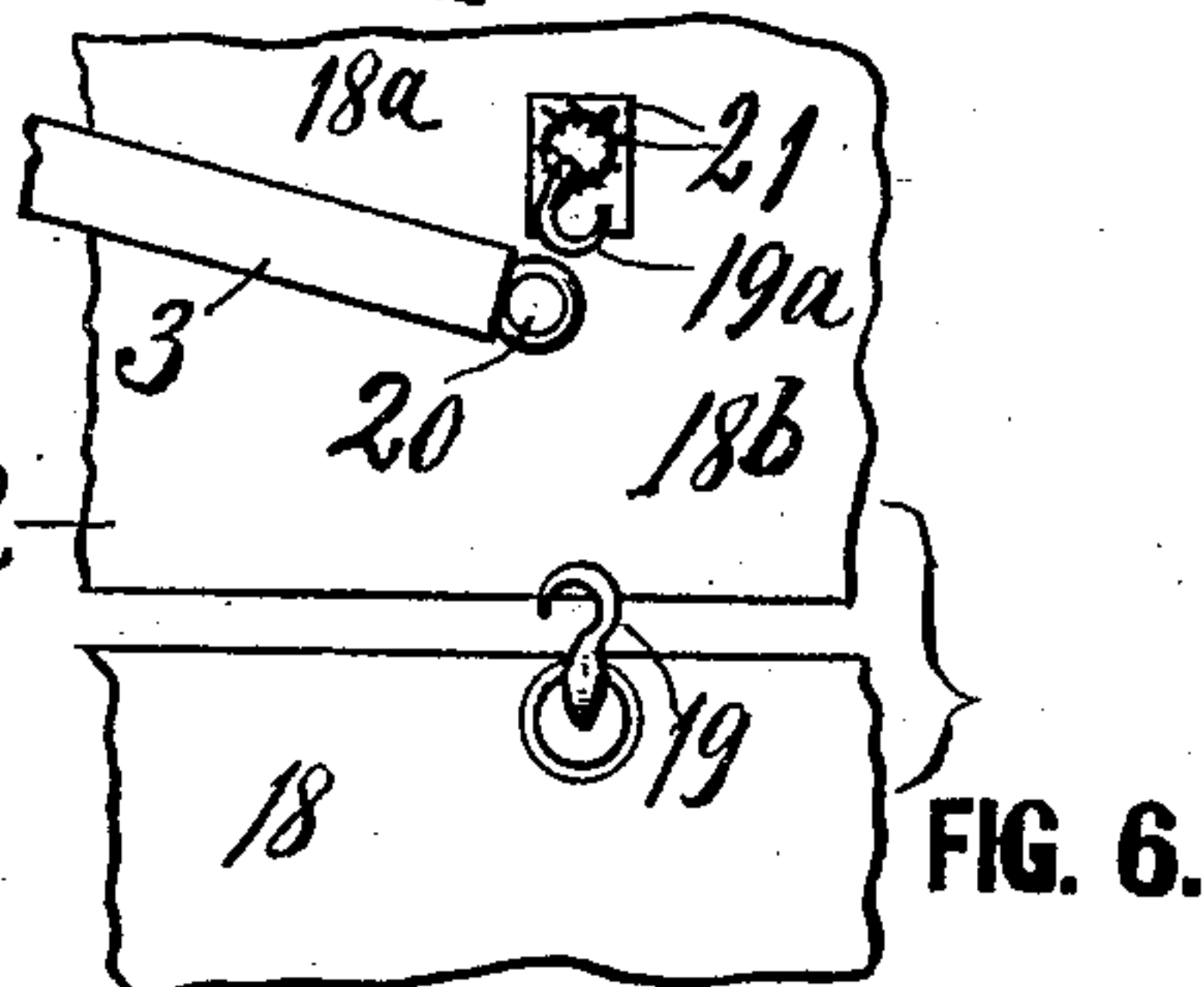


FIG. 6.

WITNESSES:

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INVENTOR:

Harry C. Swanwick.
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UNITED STATES PATENT OFFICE.

HARRY C. SWANWICK, OF HOUSTON, TEXAS.

CANOPY.

No. 880,176.

Specification of Letters Patent.

Patented Feb. 25, 1908.

Application filed July 8, 1907. Serial No. 382,749.

To all whom it may concern:

Be it known that I, HARRY C. SWANWICK, a citizen of the United States, residing at Houston, in the county of Harris and State of Texas, have invented a new and useful Canopy, of which the following is a specification.

My invention relates to canopies; and the object is to provide a novel, efficient and handy canopy for excluding flies, mosquitos and other insects from beds, sofas, chairs &c., used outside or inside of houses not provided with screens for doors and windows.

This and other objects I attain by the novel construction and arrangement of parts illustrated in the accompanying drawing, in which:—

Figure 1 is a substantially central vertical sectional view of my improved canopy. Fig. 2 is an enlarged portion of Fig. 1. Fig. 3 is a bottom end view of the central standard 1 in Figs. 1 and 2 with the pegs 7—7^a pivoted thereto. Fig. 4 is a detail view of one of the knee-joints of the supporting legs. Fig. 5 is Fig. 3 with a notched disk screwfastened to the end of the standard. Fig 6 is an inside view of the canopy, showing a fraction of nettings and an outer end of one of the supporting ribs to which the nettings are detachably secured when in use.

Referring to the drawing by reference numerals, 1 designates a central standard or stick to whose upper end is fixed a top-notch 2, from which extend any desired number of radial ribs 3, pivoted at 4 and pivotally connected by raisers 5 to a runner 6, sliding on the standard and adapted to slide past its lower end down upon the upper sections 7 of four legs 7—7^a, when said upper sections are folded together as in the dotted lines in Fig. 1, when the canopy is folded. Said legs are pivoted at 8 in radial notches 9 in the lower end of the standard (see Fig. 3) and to the center of the standard is secured by a screw 10 a disk 11, having radial notches 12, adapted to receive the legs when they are folded, while the margins or wings 13 between the notches are adapted to support the leg-sections 7 in the unfolded, almost horizontal position, in which they engage the shoulder 1^x of the standard and the lower end of the runner and thereby support both standard and runner when the device is in use. During such use the lower leg sections 7^a are held in vertical position by having the adjacent faces of the knee-joints 14

serrated as at 15 in Fig. 4, and secured together by clamping screws 16 having thumb-nuts 17 by which the joints may be readily loosened for adjustment, folding and unfolding. The disk 11 is provided with thumb catches 11^a by which to turn it with the notches and wings alternately in line with the legs.

The netting is divided into a vertical annular section 18 having hooks 19 adapted to be engaged with staples or eyes 20 at the ends of the ribs 3, and a top section or cover 18^a secured to the top notch and having hooks 19^a sewed at 21 some distance from the edge of the cover and adapted to engage the same eyes 20, so that the projecting edge 18^b of the cover forms a valance about the upper part of the side netting and closes possible opening above the top edge thereof.

Having thus described the invention, what I claim and desire to secure by Letters Patent, is:—

1. A canopy having a supporting frame comprising an elevated central standard, a top notch fixed near the top thereof, a runner on the standard, ribs pivoted to the top notch, stretchers pivoted with their ends to said ribs and to the runners, legs pivoted to the lower end of the standard to swing outward radially therefrom and to fold together so as to permit the runner to pass downward upon them; said legs being each formed of two sections secured together by an adjustable swivel joint having a clamping screw holding the sections adjustably clamped together.

2. A canopy having a supporting frame comprising an elevated central standard, a top notch fixed near the top thereof, a runner on the standard, ribs pivoted to the top notch, stretchers pivoted with their ends to said ribs and to the runner, legs pivoted to the lower end of the standard to swing outward radially therefrom and to fold together so as to permit the runner to pass downward upon them; said legs being each formed of two sections secured together by an adjustable swivel joint having a clamping screw holding the sections adjustably clamped together, said leg sections also having serrations on the faces held in contact with each other by the clamping screws.

3. A canopy having an umbrella-shaped frame with the lower portion of the stick or standard divided into several legs pivoted to the upper portion and adapted to be gathered into linear position therewith and to be

spread radially therefrom, said legs being each divided into an upper and a lower section pivoted together by adjustable joints, whereby the lower section may occupy a
5 vertical position while the upper section assumes a substantially horizontal position and thereby supports the top portion of the standard and the runner thereon; said top
10 portion of the standard having above the pivot joints of the legs a shoulder adapted to rest upon the legs when they are unfolded, and below the pivot joints a revoluble disk with radial notches for the legs to fold into, and margins between the notches for engag-
15 ing the legs to hold them unfolded.

4. A canopy having an umbrella-shaped frame with the lower portion of the stick or standard divided into several legs pivoted to the upper portion and adapted to be gathered
20 into linear position therewith and to be spread radially therefrom, said legs being each divided into an upper and a lower section pivoted together by adjustable joints, whereby the lower section may occupy a
25 vertical position while the upper section

assumes a substantially horizontal position and thereby supports the top portion of the standard and the runner thereon; said top portion of the standard having above the
30 pivot joints of the legs a shoulder adapted to rest upon the legs when they are unfolded, and below the pivot joints a revoluble disk with radial notches for the legs to fold into, and margins between the notches for engaging the legs to hold them unfolded, the
35 outer ends of the ribs of the umbrella frame having eyes, a side-netting having hooks adapted for detachable engagement with said eyes, and a top netting covering the top of the canopy and having hooks adapted to
40 engage detachably in said eyes; the outer edge of said top netting extending beyond the hooks therein so as to form a valance about the upper portion of the side netting.

In testimony whereof I affix my signature, 45
in presence of two witnesses.

HARRY C. SWANWICK.

Witnesses:

M. A. GRANT,
A. D. SPAITT.