

No. 890,683.

PATENTED JUNE 16, 1908.

H. C. MORSE.

CANOPY.

APPLICATION FILED AUG. 13, 1907.

2 SHEETS—SHEET 1.

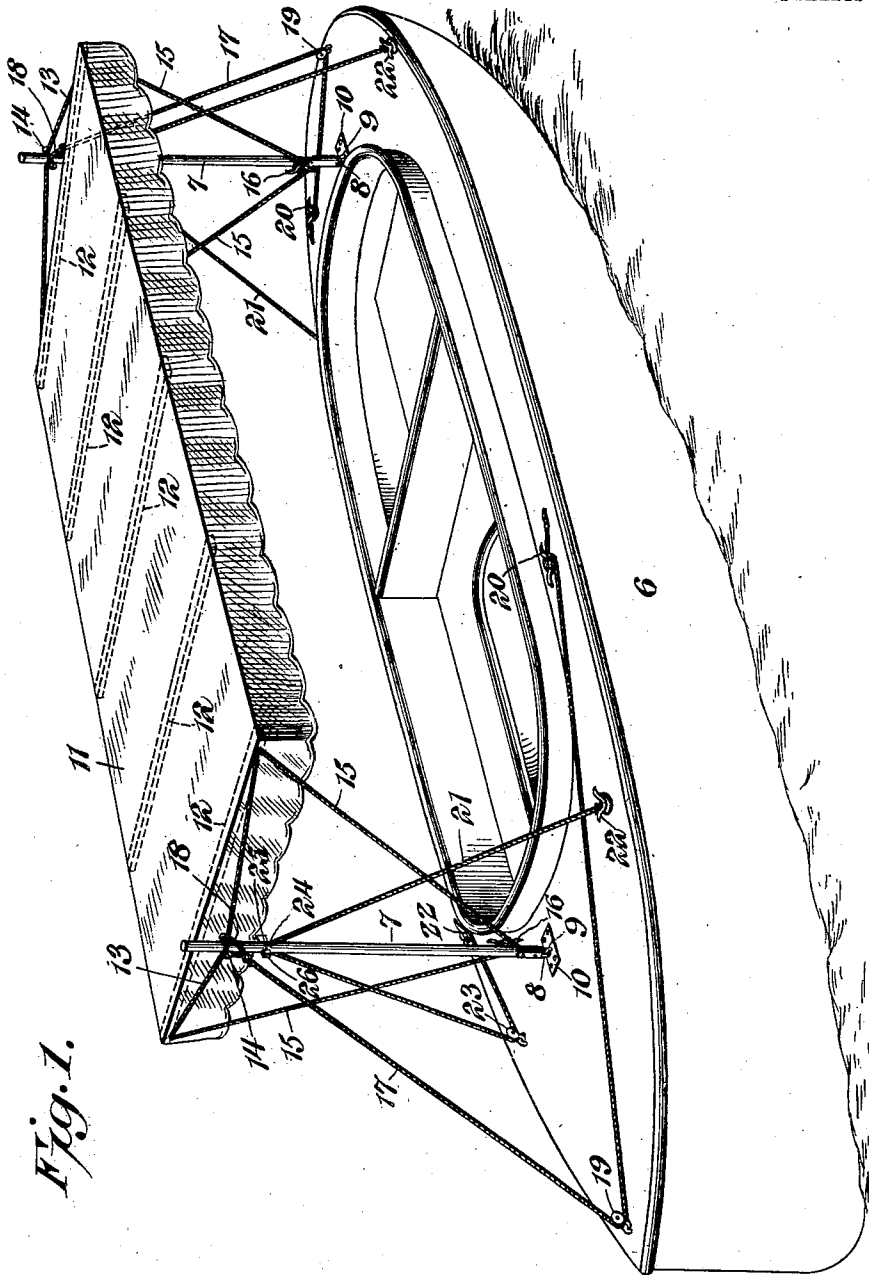


Fig. 1.

Witnesses

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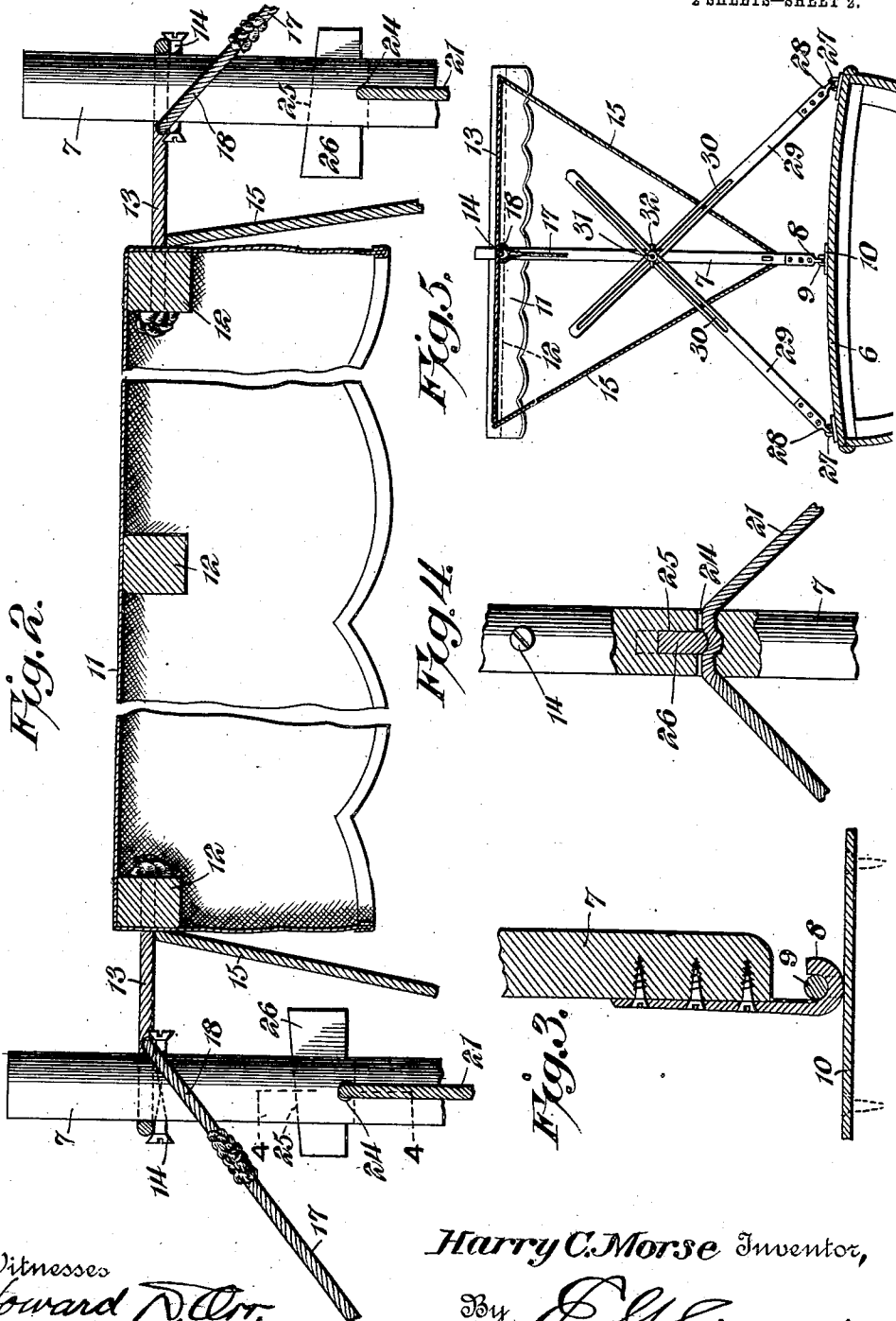
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Howard N. Carr.
R. J. Felt.

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UNITED STATES PATENT OFFICE.

HARRY COREY MORSE, OF PENN YAN, NEW YORK.

CANOPY.

No. 890,683.

Specification of Letters Patent.

Patented June 16, 1908.

Application filed August 13, 1907. Serial No. 388,329.

To all whom it may concern:

Be it known that I, HARRY COREY MORSE, a citizen of the United States, residing at Penn Yan, in the county of Yates and State of New York, have invented a new and useful Canopy, of which the following is a specification.

This invention relates to canopies for small boats, and the like.

10 The primary object of the present invention is to provide a novel, simple and inexpensive structure, which can be readily applied to and removed from a power launch or other boat, can be compactly folded when
15 not in use, and has a wide range of adjustment so that persons can enter or leave the boat without interference, and the occupants can be shielded from the rain or shaded from the sun.

20 The preferred embodiment of the invention is illustrated in the accompanying drawings, wherein:—

Figure 1 is a perspective view of a boat, showing the canopy in place thereon. Fig. 2
25 is a vertical sectional view through the upper portion of the canopy top, showing the same on a larger scale, parts being broken away. Fig. 3 is a sectional view through the lower portion of one of the standards and the
30 means for connecting the same to the boat. Fig. 4 is a detail sectional view on the line 4—4 of Fig. 2. Fig. 5 is a front elevation showing a slightly modified form of construction.

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

The boat, designated by the reference numeral 6 may be of any well known form of
40 construction, and is illustrated for the purpose of showing the application of the invention. Spaced standards 7 are employed that are provided with hooks 8 at their lower ends. These hooks detachably engage in
45 eyes 9 carried by plates 10 fastened to the deck of the boat. A canopy top 11 of flexible material, is provided at suitable intervals with transverse stretcher bars 12 that extend the width of the top. The top is located between the standards and extends on
50 opposite sides thereof, the end bars being continuous. Cables 13, secured to the corner portions of the canopy top, have their intermediate portions engaged with the
55 upper ends of the standards, and preferably

supported on screws or projections 14. It will thus be evident that the canopy top is pivotally connected to the standard, and that the pivot axis extends longitudinally and centrally therethrough, so that upon the depression of one side of the canopy top, the opposite side will be elevated. This top is held against its swinging movements and in different positions by cables 15 secured to the corners of the canopy top and having their lower ends engaged with cleats 16 carried by the lower portions of the standards.

In order to hold the canopy top properly stretched, cables 17 have eyes 18 at their upper ends that are engaged over the upper ends of the standards, and these cables pass through suitable pulleys 19 secured to the deck of the boat respectively in front and in rear of the front and rear standards. The cables then extend and are secured to suitable cleats or other fasteners 20 mounted on the deck. It will thus be evident that by means of the cables 17, the standards may be drawn away from each other, and tension thereby placed upon the canopy top in order to hold it taut.

With this structure as thus described, it will be evident that the standards and canopy while held against swinging movement longitudinally of the boat, are capable of swinging transversely thereof, and means are provided for holding the standards against their transverse swinging movement and in different positions. Thus in the embodiment illustrated in Figs. 1—4 inclusive, cables 21 have their ends secured to cleats 22 fastened to the boat, each of said cables at one end preferably passing through a suitable sheave or pulley 23. These cables also pass through openings 24 formed in the upper portions of the standards, the openings intersecting slots 25 formed at right angles thereto in the standards 8. Holding wedges 26 are engaged in the slots and when forced into the same, as shown in Fig. 4, will effectively clamp against the cables to prevent the swinging movements of the standards. Instead of this structure that disclosed in Fig. 5 may be employed. In this embodiment of the invention, eyes 27, mounted on the top deck are engaged by hooks 28 carried by the lower ends of the strips 29. These strips cross each other at the standards, and are provided with longitudinal slots 30 through which holding bolts 31 are passed.

Clamping nuts 32, threaded upon the bolts, serve to secure the strips 29 and standards in frictional engagement.

With this structure, it will be evident that
 5 inasmuch as the standards have a universal swinging movement, by tightening the cables 17, the canopy can be stretched, and by clamping the cables 21 by means of the wedges 26, said standards can be effectively
 10 fixed against movement and in different positions. In like manner, the canopy top can be swung upon the standards and held by means of the cables 15. Thus said top has a wide range of adjustment so that the occupants can be shielded from the sun or from
 15 bad weather. Moreover, the canopy top can be swung out-board in either direction in order to permit ingress to and egress from the boat without interference therefrom. Moreover, the structure as a whole can be
 20 readily applied to an ordinary boat or removed therefrom whenever desired, and when detached, it can be compactly folded so that it will occupy comparatively little
 25 space.

From the foregoing, it is thought that the construction, operation, and many advantages of the herein described invention, will be apparent to those skilled in the art, without further description, and it will be understood that various changes in the size, shape, proportion, and minor details of construction, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is:—

1. In a canopy of the character set forth,
 40 the combination with spaced supporting standards, of a canopy top located between the same, spreader bars for the top secured thereto and each extending continuously across said top, each bar extending on opposite sides of the standards, means for pivotally connecting the spreader bars to the standards on an axis that passes through an intermediate portion of the canopy top, whereby upon the elevation of one side of the
 50 canopy top, the opposite side will be depressed, and means for securing the top against swinging movement.

2. In a canopy of the character set forth, the combination with a support, of spaced
 55 standards pivotally mounted on the support, a canopy adjustably connected to the standards and located between them, and means adjustably connecting the support and standards and located on the opposite side of the latter to the canopy for drawing the upper portions of said standards apart to place tension on the canopy.

3. In a canopy of the character set forth, the combination with a support, of spaced
 65 standards pivotally mounted on the support,

a canopy connected to the standards and located between them, means for relatively adjusting the standards longitudinally of the canopy, and means for adjusting the standards transversely of the canopy.

4. In a canopy of the character set forth, the combination with relatively movable standards, of pivot mountings therefor, a canopy top pivotally connected to the standards and located between the same, and
 75 cables secured to the upper portions of the standards and extending outwardly in opposite directions therefrom, said cables constituting means for drawing the same away from each other to place tension on the
 80 canopy top.

5. In a canopy of the character set forth, the combination with a boat, of swinging standards, eyes, and hooks detachably secured in the eyes, the hooks and eyes being
 85 secured to the boat and lower ends of the standards, a canopy top pivotally mounted upon the standards, and cables connected to the standards for drawing the same away from each other and thereby placing tension
 90 on the canopy top.

6. In a canopy of the character set forth, the combination with a boat, of spaced supporting standards, detachable hooks and eyes securing the lower ends of the standards
 95 to the boat and permitting the swinging movements of said standards, a canopy top located between the standards and extending on opposite sides thereof, cables connected to the corner portions of the canopy top and
 100 having intermediate portions engaged with the standards, said cables permitting the swinging movement of the canopy top, other cables detachably connecting the standards and the canopy top for holding the latter
 105 against swinging movement and in different positions, and cables connected to the standards and having adjustable connections with the boat for drawing said standards away from each other and thereby placing tension
 110 on the canopy top.

7. In a canopy of the character set forth, the combination with a boat, of swinging standards mounted thereon and movable transversely of the boat, a canopy top carried
 115 by the standards, and means for holding the standards in different positions transversely of the boat.

8. In a canopy of the character set forth, the combination with a boat, of swinging
 120 standards mounted on the boat and movable transversely thereof, a canopy top carried by the standards, and means mounted on the boat on opposite sides of the standards and adjustably engaged therewith for holding
 125 said standards in different positions transversely of the boat.

9. In a canopy of the character set forth, the combination with a swinging standard, of a canopy top mounted thereon, a cable for
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holding the standard against swinging movement, secured on opposite sides of the standard and slidably engaging the same, and a holding device mounted on the standard and engaging the cable to prevent the movement of said standard and to hold it in different positions.

10. In a canopy of the character set forth, the combination with a swinging standard having an opening, of a canopy top mounted on the standard, a holding cable secured on opposite sides of the standard and passing through the opening thereof, and a wedge slidably mounted in the standard and engaging the cable to hold the standard against movement and in different positions.

11. In a canopy of the character set forth, the combination with a boat, of spaced standards mounted on the same and having detachable pivotal connections therewith, a canopy top mounted between and secured to the standards, means for drawing the standards apart to place tension on the canopy top, said standards having openings there-through, cables secured to the boat on the opposite sides of the standards and passing through the openings, and holding wedges carried by the standards and engaging the cables to prevent the movement of the standards and maintain them in different positions.

12. In a canopy of the character set forth, the combination with spaced standards, of pivot mountings for the standards that permit their universal swinging movements, a canopy top connected to the standards, means for drawing the standards apart and holding them to place tension on the canopy top, and means for holding the standards against swinging movement transversely of the canopy top and in different positions.

13. In a canopy of the character set forth, the combination with a boat, of spaced standards pivotally mounted thereon and capable of universal swinging movement, a canopy top located between and connected to upper portions of the standards, means for drawing the standards apart to place tension on the canopy top, said means comprising cables having adjustable connections with the boat, and means mounted on the boat and adjustably engaged with the standards for holding the standards in different positions

against swinging movement transversely of the boat.

14. In a canopy of the character set forth, the combination with swinging standards, of a canopy top pivotally mounted thereon, said standards swinging transversely of the pivot axis of the top, means for securing the top against pivotal movement and in different positions with respect to the standards, and means for holding the standards against movement and in different positions transversely of said pivot axis.

15. In a canopy of the character set forth, the combination with a boat, of standards pivotally mounted on the boat and swinging transversely thereof, a canopy top pivotally mounted on the standards, means connecting the canopy top and standards for securing said top against pivotal movement and in different positions with respect to said standards, and means for holding the standards in different angular relations with respect to said boat.

16. In a canopy of the character set forth, the combination with a boat, of spaced standards having detachable pivotal connections with a boat, a flexible canopy top having spaced spreader bars, said top being located between the standards and extending on opposite sides thereof, cables connecting the corner portions of the canopy top with the upper ends of the standards, cables connecting the corner portions of the top with the lower portions of the standards to hold the top in different angular positions, other cables secured to the top and being slidably engaged by the standards, means carried by the standards and engaging the cables to hold the said standards against transverse swinging movement and in different positions, and spreading cables secured to the upper ends of the standards and adjustably connected to the boat for drawing the standards apart and thereby placing tension upon the canopy top.

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

HARRY COREY MORSE.

Witnesses:

HENRY SIMON,
JOE JAHRAUS.