J. DÁNYI.

CANOPY FOR LIFE BOATS.

APPLICATION FILED MAY 11, 1914.

1,125,484.

Patented Jan. 19, 1915.

2 SHEETS—SHEET 1.

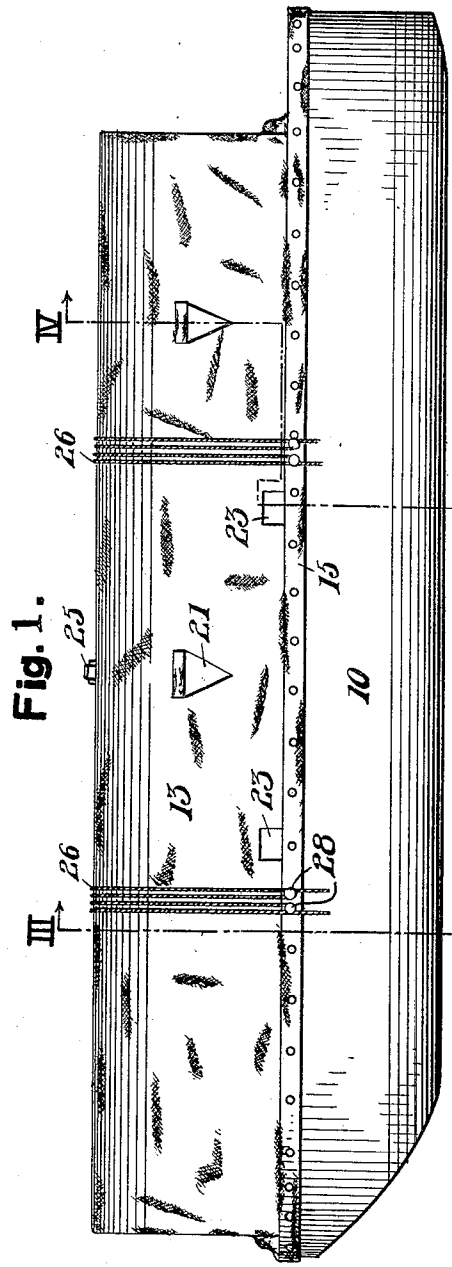


Fig. 1.

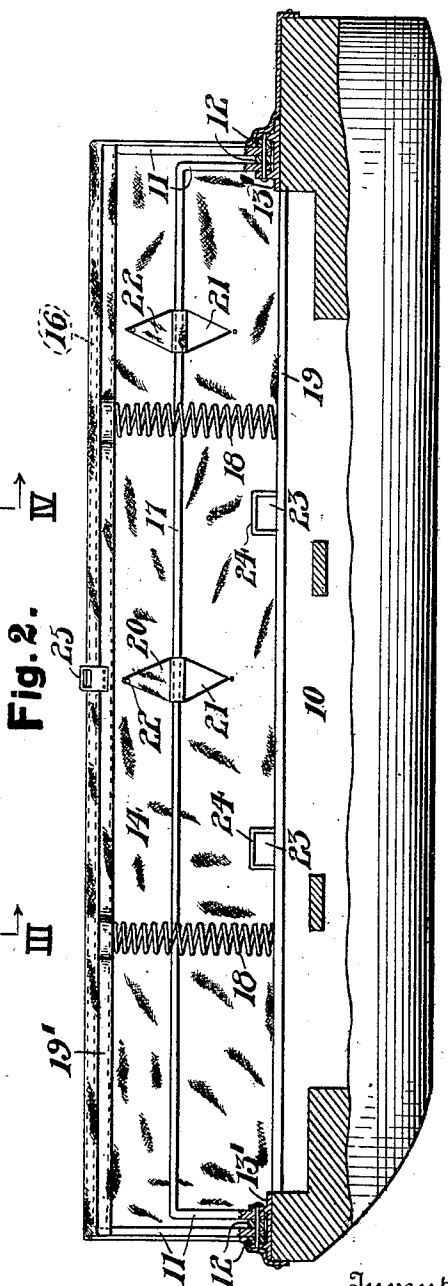


Fig. 2.

Witnesses

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2 SHEETS—SHEET 2.

Fig. 4.

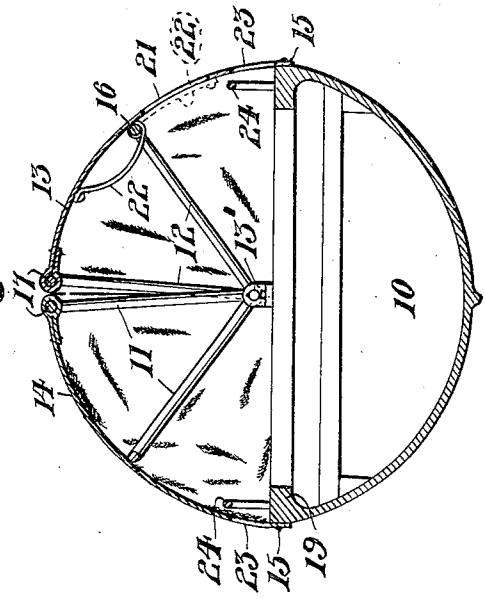


Fig. 7.

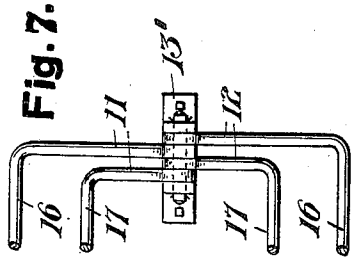


Fig. 6.

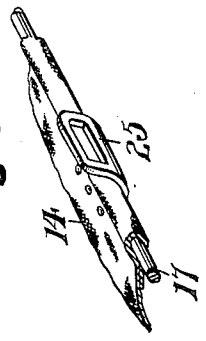


Fig. 3.

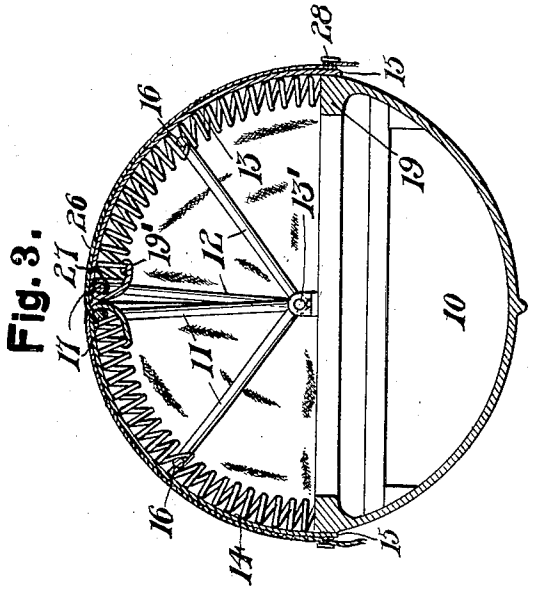
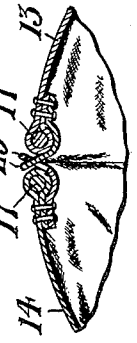


Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE.

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CANOPY FOR LIFE-BOATS.

1,125,484. Specification of Letters Patent. Patented Jan. 19, 1915.

Application filed May 11, 1914. Serial No. 837,768.

To all whom it may concern:

Be it known that I, JOHN DÁNYI, a subject of the King of Hungary, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Canopies for Life-Boats, of which the following is a specification.

This invention relates to certain new and useful improvements in canopies for life boats.

The primary object of this invention is to provide a life boat with a folding cover canopy roof adapted for opening automatically when released and covering the entire hold portion of the boat.

A further object is to provide a two-part canopy positionable in folded form upon the opposite gunwales of the boat and adapted upon being released to automatically unfold and form a complete spanning canopy over the boat.

A still further object is to provide a two-part canopy whereby either the starboard or port half of the boat may be covered, allowing the other half to remain uncovered if desired, each canopy portion adapted to automatically unfold individually upon being released when in its folded position, such canopy provided with window and paddle openings.

With these general objects in view and others that will appear as the nature of the invention is better understood, the same consists in the novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the appended claims.

In the drawings forming a part of this application and wherein like numerals of reference designates corresponding parts throughout the several views:—Figure 1 is a side elevation of a boat showing the present canopy thereon fully extended. Fig. 2 is a similar view with a portion of the hull and the canopy hinges in vertical longitudinal section. Fig. 3 is a vertical transverse sectional view taken upon line III—III of Fig. 1. Fig. 4 is a similar view taken upon line IV—IV of Fig. 1. Fig. 5 is a vertical transverse sectional view of the engaging portions of the canopy edges taken through the clasp therefor. Fig. 6 is a perspective view of a portion of an edge of one of the canopy sections with the clasp member mounted thereon, and, Fig. 7 is a top plan view of one of the hinges for the canopy frame, the frame being broken away.

Referring more in detail to the drawings, the boat 10 is illustrated with pairs of bow frames 11 and 12 hinged to opposite brackets 13′ mounted at the bow and the stern of the boat and upon the deck thereof in the plane of the longitudinal axis of the boat. Canopy sections 13 and 14 are positioned over the said bows 11 and 12 respectively while the outer marginal edges 15 of each of the sections are firmly secured to the outside of the opposite gunwales of the boat. The inner marginal edges of the canopy sections are secured to the outer longitudinal portions 16 of the outer one of each pair of bows while the longitudinal portions 17 of the respective inner bows of each pair is secured longitudinally within and intermediate of the corresponding canopy section.

Coil springs 18 are mounted upon the opposite gunwales 19 of the boat and projecting inwardly thereof have their opposite ends secured to the bow portions 16 and with the canopy fabric secured to said spring ends as at 19′ while the portions 17 of the bows engage the springs substantially midway of their lengths.

Each canopy section is provided with a plurality of cut-out flaps 20 forming window spaces 21 and adapted to be inwardly-positioned and engaged with a hook 22 when desired to maintain the window in its open position while each canopy section is also provided with an opening 23 through which the operating oars or paddles for propelling the boat are projected. Metal staples 24 are positioned upon the gunwales adjacent the paddle openings 23 and act as oar-locks. The adjacent edges of the canopy sections having the bow portions 16 therein are provided substantially centrally thereof with inter-engaging clasp members 25 and whereby the canopy may be retained in its inclosing unfolded position.

It is apparent that when the life boat is desired for use in rough or stormy weather, that the complete canopy may be employed as illustrated in Fig. 1 completely inclosing the boat and the springs 18 normally retain the canopy sections so extended. It may be desirable however, to fold either one or both of the canopy sections and this is readily accomplished by unhooking the

clasp 25 between the edges thereof and moving the bows of the desired section upon their hinges and swinging the same outward and downwardly, thus compressing the connecting springs 18 and folding the covering canopy section carried by said bows. Cords 26 are secured as at 27 to the inner edges of the canopy sections and to the bow portions 16 thereof and when the carrying canopy section is folded and positioned fully opened, the springs 18 of the section being compressed, the cords 26 are secured to pins 28 upon the adjacent gunwale and whereby the canopy section is secured open. It will be evident that any desired number of the retaining cords 26 may be employed while either one or both of the canopy sections may be held open as may be found desirable. The cords 26 may also be employed for strengthening the canopy when the same is extended by securing the cords between the pins 28 upon the opposite gunwales and over the entire canopy as illustrated in Fig. 1.

While the forms of the invention herein shown and described are what are believed to be preferable embodiments of the invention, it is nevertheless to be understood that various forms and modifications may be resorted to which fall within the spirit and scope of the invention as claimed.

What I claim as new is:—

1. A canopy for life boats comprising pairs of bows extending longitudinally above a boat, hinge brackets for said bows mounted at the bow and the stern of the boat, opposite equal canopy sections having their outer edges secured exteriorly of the gunwales of the boat and mounted upon and secured to the said bows, expansion springs secured within said canopy to said bows and mounted upon the gunwales of the boat, a securing clasp upon the engaging edges of the canopy sections, and securing cords attached to the adjacent edges of said sections.

2. A canopy for life boats comprising pairs of bows longitudinally positioned and hinged at the bow and stern of the boat, canopy sections secured exteriorly of said bows and having their outer edges secured to the opposite gunwales of the boat, expansion springs mounted upon said gunwales and secured to said sections interiorly thereof and to said bows, adapted for normally engaging the inner edges of said sections together, a clasp between said edges, said sections provided with window and oar openings, outwardly-projecting pins upon said gunwales, and cords secured to the inner edges of said sections and adapted for engaging said pins with said springs under compression while said sections are in their folded positions.

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

JOHN DÁNYI.

Witnesses:
Jos. Horvath,
Julius Zoroslyaw.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."