

No. 745,656.

PATENTED DEC. 1, 1903.

C. H. PAINE.
SPRAY HOOD FOR LAUNCHES.
APPLICATION FILED JUNE 4, 1903.

NO MODEL.

Fig. 1

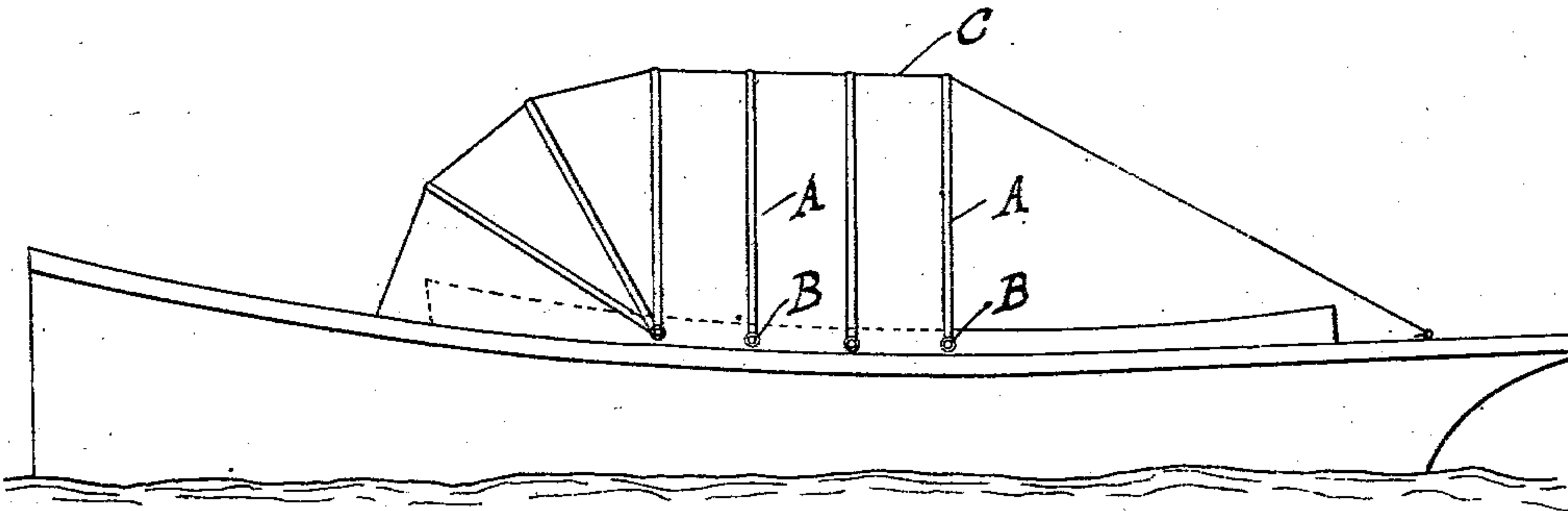


Fig. 2

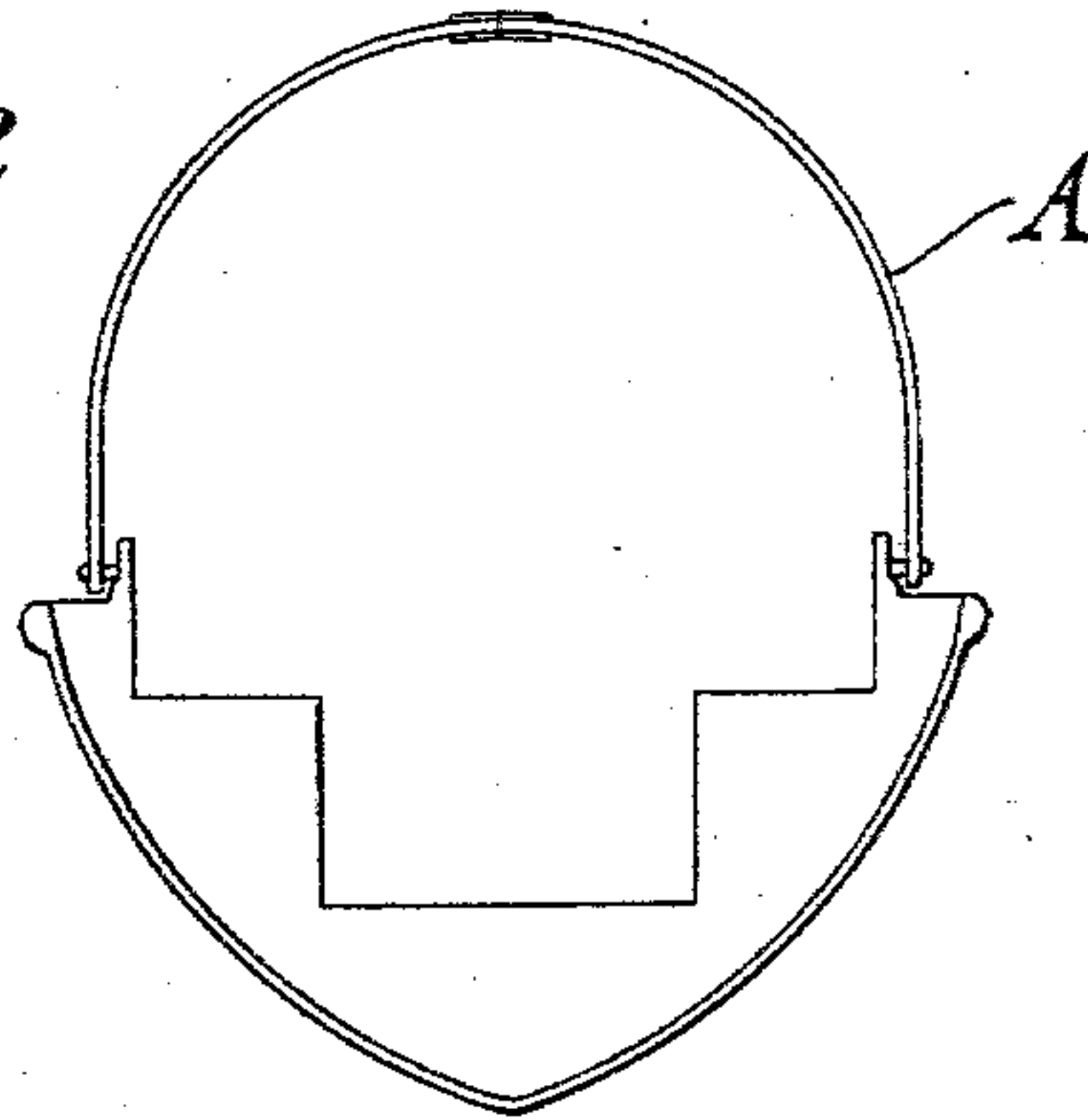


Fig. 3

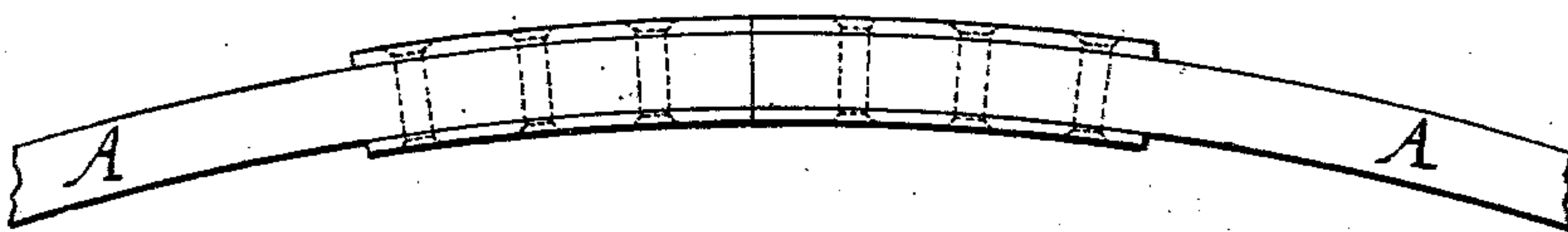
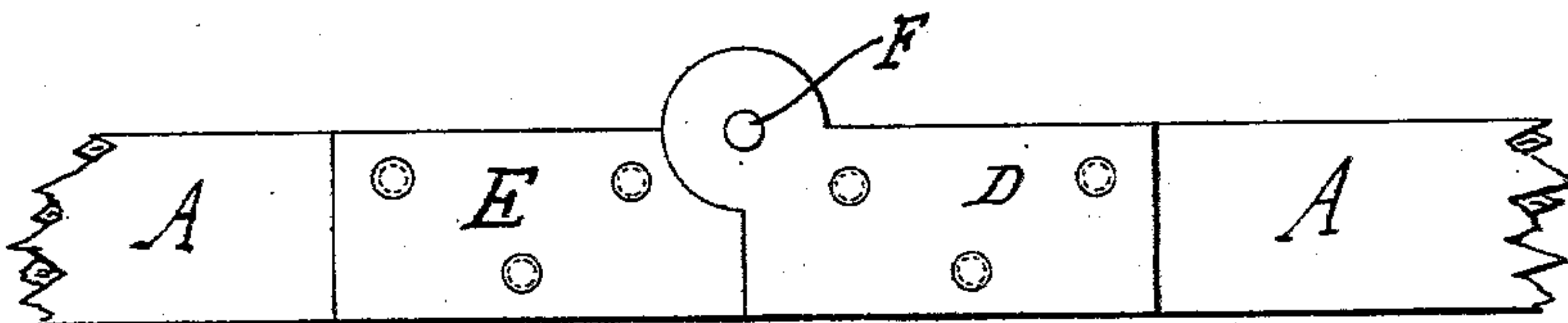


Fig. 4



Witnesses:
A. E. Mahan.
A. S. Dunham.

Charles H. Paine, Inventor,
by Kerr, Page & Cooper, Attys.

UNITED STATES PATENT OFFICE.

CHARLES H. PAINE, OF ENGLEWOOD, NEW JERSEY.

SPRAY-HOOD FOR LAUNCHES.

SPECIFICATION forming part of Letters Patent No. 745,656, dated December 1, 1903.

Application filed June 4, 1903. Serial No. 160,019. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. PAINE, a citizen of the United States, residing at Englewood, in the county of Bergen and State of New Jersey, have invented certain new and useful Improvements in Spray-Hoods for Launches, of which the following is a specification, reference being had to the drawings accompanying and forming a part of the same.

My invention is an improvement in spray-hoods more especially designed for launches, but applicable to and useful with other vehicles, the object of the invention being to produce a hood which is not only collapsible, in the ordinary sense of the term, but which may be readily reduced to small compass and convenient form for stowing in the lockers or under the seats with which small launches are usually provided, without any sacrifice in its strength and the readiness with which it may be manipulated. With this end in view I have produced a hood composed of a suitable number of bows or ribs adapted for attachment to the sides of a boat or launch in the usual manner, and a canvas or similar cover; but each of said bows I make in two parts, hinging or jointing them together in such manner that, while they form rigid supports for the hood when in position with their ends secured to the boat, each half may be folded or turned upon itself when detached. This improved hood I have illustrated in the accompanying drawings as applied to an ordinary launch.

Figure 1 is a view in side elevation of a launch with the hood applied thereto. Fig. 2 shows the launch in section and one of the bows of the hood attached in position. Fig. 3 is an enlarged view in elevation of the jointed portion of one of the bows. Fig. 4 is a plan view of the same.

The bows A of the hood are of wood or metal and may be rigid or flexible. Their ends are provided with eyes B, by means of which they may be secured to studs on the gunwales or sides of the boat in any of the usual ways. When in position, they form a frame over which a canvas cover C is stretched, the whole being held in position by securing the edges of the cover to studs on the boat or in any other well-known way. The points of attachment of the bows may be fixed or movable, and the positions of the bows relative to each

other may be adjusted and altered, as is well understood.

Each bow at its middle portion, which is substantially straight or flat, is divided and the two parts secured together by a joint or hinge, which permits of the two sections turning laterally upon each other, so that when detached from their supports they may be folded so as to lie side by side. Such a joint is best secured by using metal plates D D with circular ears or extensions, and plates E E, with corresponding recesses, secured to opposite sides of the bows and secured together by a pin F after the general plan of the hinge used in foot-rules. As thus constructed the bows when in place form a rigid frame over which the canvas may be temporarily stretched or to which it may be permanently secured. When the bows are detached from their supports, they may be doubled or folded so that their sections lie side by side, and by reason of the relatively great radius of curvature may be stowed in a locker of little depth or under an ordinary seat.

A great many expedients have been resorted to by builders and users of launches and the like to obtain some form of hood that could be conveniently packed up in small compass for stowing in such spaces as a small boat affords; but nothing has been produced, so far as I am aware, that meets the practical requirements as well as my improvement, in which, as will be seen, advantage is taken of the fact that each half or section of the bow has such a large radius of curvature as to enable it to be packed in almost any locker that will admit a substantially straight rod of the same length.

Having now described my invention, what I claim is—

In a spray-hood for small boats, the combination with a canvas cover, of a plurality of independent, substantially semicircular transverse bows, each having means for detachably securing it to the sides of the boat, and each having at its middle portion a joint to permit the halves to fold parallel and closely adjacent to each other, whereby the whole may be reduced to small compass for storing.

CHARLES H. PAINE.

Witnesses:

WALTER UNDERHILL,
JAMES L. BENNETT.