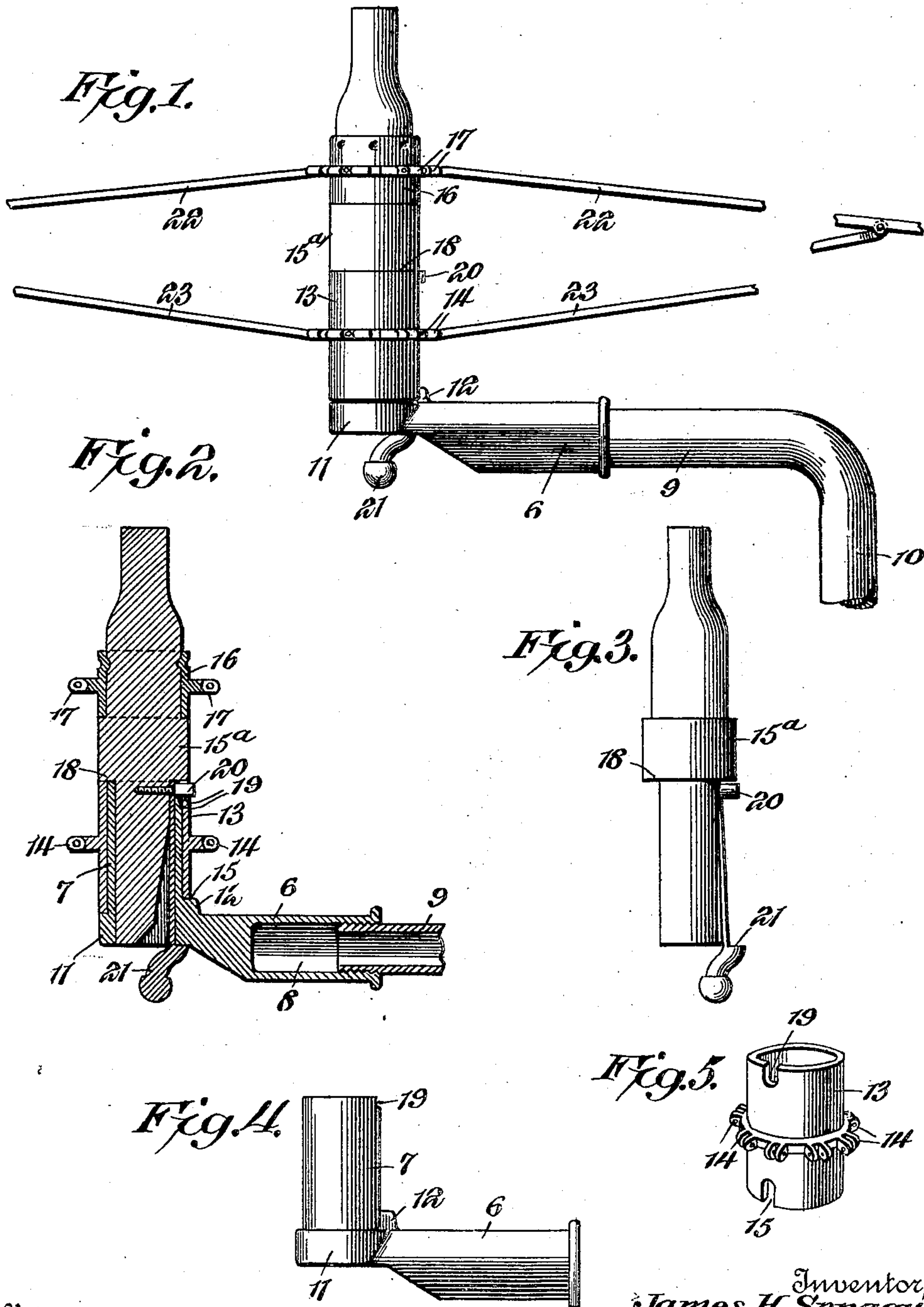


No. 886,659.

PATENTED MAY 5, 1908.

J. H. SPRAGUE.  
VEHICLE CANOPY TOP.  
APPLICATION FILED JUNE 28, 1907.



Witnesses  
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# UNITED STATES PATENT OFFICE.

JAMES H. SPRAGUE, OF NORWALK, OHIO.

## VEHICLE CANOPY-TOP.

No. 886,659.

Specification of Letters Patent.

Patented May 5, 1908.

Application filed June 28, 1907. Serial No. 381,363.

*To all whom it may concern:*

Be it known that I, JAMES H. SPRAGUE, a citizen of the United States, residing at Norwalk, in the county of Huron and State of Ohio, have invented a new and useful Vehicle Canopy-Top, of which the following is a specification.

This invention relates to means for mounting the canopy top upon the supporting standard, and while particularly intended for vehicles, is not necessarily limited to this use.

The primary object is to provide novel means of a simple nature whereby the top can be more readily applied to the standard and detached therefrom and folded, the parts being such that they can be easily manufactured and readily assembled.

The preferred form of construction is illustrated in the accompanying drawings, wherein:—

Figure 1 is a side elevation of the mechanism. Fig. 2 is a vertical sectional view thereof. Fig. 3 is a side elevation of the pole employed. Fig. 4 is a side elevation of the supporting stem and its socket piece. Fig. 5 is a detail perspective view of the runner sleeve.

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

In the embodiment illustrated, a support is employed comprising angularly disposed stems 6 and 7, the stem 6 being provided with a socket 8 into which the arm 9 of the supporting standard 10 is threaded. The particular disposition of the stem 6 and arm 9 is, however, not important. The stem 7 is tubular, and at its lower end is provided with a peripheral enlargement 11 and an outstanding lug 12.

A runner sleeve or barrel 13 is detachably fitted upon and surrounds the stem 7, its lower end resting upon the enlargement 11. It is provided between its ends with an annular series of ears 14 constituting a notcher, and furthermore has in its lower end a notch 15 that receives the lug 12. Consequently the sleeve when in place, is held against rotation on the stem. A crown element is also employed that consists of a pole 15<sup>a</sup> preferably of wood, and having a collar 16 fitted upon it. This collar is provided with an annular series of outstanding ears 17 constituting an upper notcher. The pole 15<sup>a</sup> fits snugly within the stem 7, and has an annular shoulder 18 resting upon the upper end of

said stem and upon the upper end of the sleeve 13. Said stem and sleeve have in their upper ends aligned notches 19, and a pin or projection 20 carried by the pole, engages in said notches. A spring latch 21, suitably secured to the pole, engages beneath the lower end of the stem 7, and detachably secures the same in place upon the stem. The usual outstanding ribs 22 are pivotally mounted on the ears 17, and the stretchers 23 for said ribs, are in like manner pivotally connected to the ears 14.

With this structure, it will be observed that the entire canopy is entirely removable from the standard, for by disengaging the latch 21, the crown element may be removed, and afterwards the runner sleeve can be detached. Consequently the canopy can be applied to the standard or detached therefrom, and folded with ease and expedition. In this connection, it is to be noted that the crown element constitutes means for holding the runner sleeve in place, and the said runner sleeve can be removed with the crown so that the entire canopy can be detached without removing the stem from the standard. The structure furthermore is composed of simple parts which can be readily manufactured and easily assembled.

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 structure of the character set forth, the combination with a tubular support, of a crown element, and a runner element, one of said elements being detachably fitted upon and surrounding the tubular support, the other being detachably fitted within the tubular support, ribs connected to the crown element, and stretchers for said ribs connected to the runner element.

2. In a structure of the character set forth, the combination with a support having an upstanding terminal stem, of an upper crown element and a lower runner element both detachably mounted on the upstanding stem,



the crown element constituting means that secures the runner element on the upstanding stem, and means detachably securing the crown element on the upstanding stem independently of the runner element.

3. In a structure of the character set forth, the combination with a tubular support, of a crown element, and a runner element, one of said elements being detachably fitted upon and surrounding the tubular support, the other being detachably fitted within the tubular support, one of said elements engaging the other to retain it on the support, and means engaging the retaining element and support to detachably hold it to the support.

4. In a structure of the character set forth, the combination with a tubular supporting stem, of a runner sleeve detachably mounted thereon and surrounding the same, a crown element detachably fitted in the stem and extending over the sleeve to retain the same in place, and a latch for detachably securing the crown element to the stem.

5. In a structure of the character set forth, the combination with an upstanding tubular supporting stem, of a runner element including a sleeve detachably mounted on the stem and surrounding the same, and a crown element fitted into the upper end of the supporting stem and extending over the sleeve and holding the same in place, and a latch located in the stem and securing the crown element upon said stem.

6. In a structure of the character set forth, the combination with a supporting arm having an upstanding stem, of a runner element detachably mounted on the stem above the arm and surrounding said stem, and a crown element detachably secured to the stem and extending over the top of the runner element, constituting means that secures the same in place.

7. In a structure of the character set forth, the combination with a tubular supporting stem having a notch in its upper end, of a runner sleeve mounted on the supporting stem and having a notch that aligns with the notch of the stem, a crown having an element engaged within the stem, said crown having a projection that engages in the notches of the stem and sleeve, and means for detachably securing the crown to the stem.

8. In a structure of the character set forth, the combination with a tubular supporting

stem having a projection on its outer side, of a runner sleeve mounted on the stem and having a notch in its lower end that receives the projection, said sleeve also having a notch in its upper end, a crown having a portion that engages within the stem, said crown having a projection that engages in the upper notch of the runner sleeve, and a latch for detachably securing the crown to the stem.

9. In a structure of the character set forth, the combination with a support including an upstanding tubular stem having an outstanding projection, of a runner sleeve detachably fitted upon and surrounding the stem, said sleeve having a notch in its lower end that receives the projection of the stem and having a notch in its upper end, a crown including a pole that engages within the stem and has an outstanding pin engaging the notches of the stem and sleeve, a latch carried by the pole and detachably engaging the lower end of the stem, ribs pivoted to the crown, and stretchers for the ribs pivoted to the sleeve.

10. In a structure of the character set forth, the combination with an upstanding supporting stem, of a runner sleeve slidably mounted thereon and removable from its upper end, a crown element detachably mounted on the stem and bearing upon the upper end of the sleeve to hold it in place on said stem, means for detachably securing the crown element in place, and ribs and stretchers respectively connected to the crown and sleeve.

11. In a structure of the character set forth, the combination with an upstanding tubular supporting stem, of a runner sleeve slidably mounted thereon and removable from its upper end, a crown element detachably fitted in the stem and having a portion extending outwardly over its upper end and over the upper end of the sleeve to hold the said sleeve in place on said stem, a latch for detachably securing the crown element in the stem, and ribs and stretchers respectively connected to the crown element and sleeve.

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

JAMES H. SPRAGUE.

Witnesses:

H. B. CONKLIN,  
C. E. DAY.