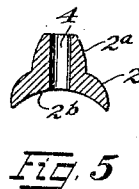
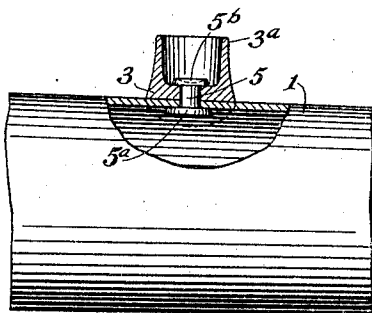
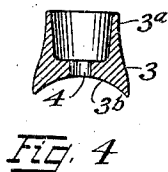
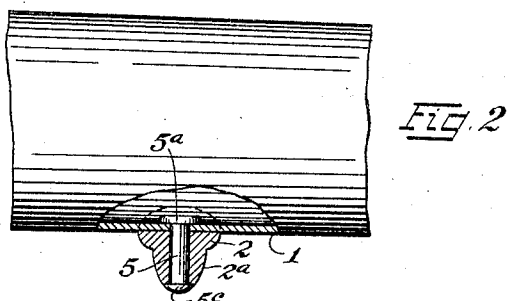
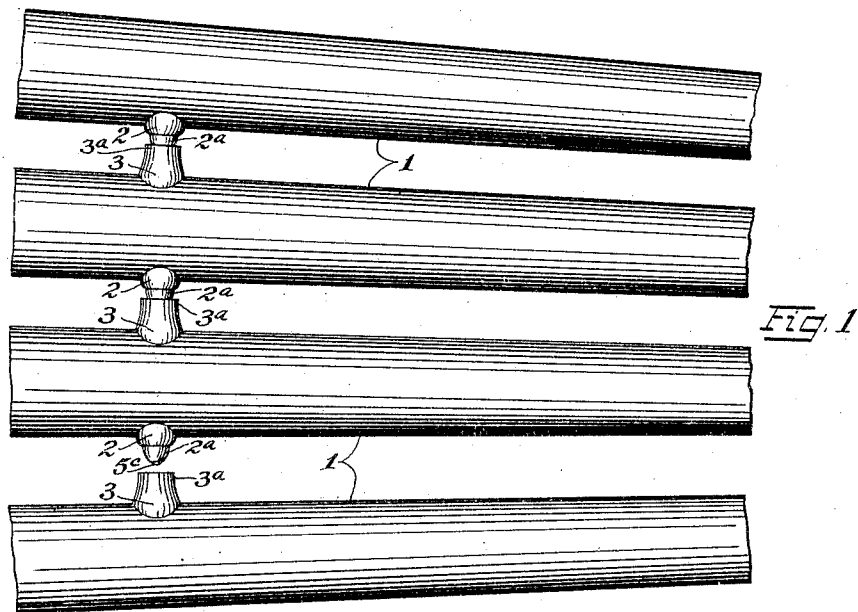


J. C. COSS.
BOW SOCKET SEPARATOR.
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1,002,649.

Patented Sept. 5, 1911.



Witnesses:
H. C. Valentine
E. P. Schloer.

Inventor:
James C. Coss,
by Obed B. Willman
Attorney.

UNITED STATES PATENT OFFICE.

JAMES C. COSS, OF DETROIT, MICHIGAN.

BOW-SOCKET SEPARATOR.

1,002,649.

Specification of Letters Patent.

Patented Sept. 5, 1911.

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To all whom it may concern:

Be it known that I, JAMES C. COSS, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Bow-Socket Separators, of which the following is a specification.

My invention relates to improvements in bow-socket separators used in connection with the tops of vehicles, such as automobiles, and the like, the invention relating more particularly to that class or type of bow-socket separators which are directly attached to or carried by the bow-sockets or bows.

The primary object of the invention is to provide a generally improved neatly appearing separator of this class of exceedingly simple, cheap, and efficient construction, adapted to be attached to the middle or intermediate bows without the use of any attachments on the outer sides of the front and rear bow-sockets.

Another object is to provide an improved separator adapted to be applied to the tubular bow-socket in a semi-finished or unenameled condition so that the bow-socket and the attached separator parts may be finished or enameled together.

A still further object is to provide a separator in which the attaching element or member such as a rivet or the like is internally arranged and normally concealed from view, and reducing to a minimum any tendency of the separator parts to become loose on the socket and rattle and wear upon the adjacent parts.

With the above mentioned and other ends in view, the invention consists in the novel construction, arrangement, and combination of parts, hereinafter described, illustrated in one of its embodiments in the accompanying drawings, and particularly pointed out in the appended claim.

Referring to the drawings forming a part of this specification, Figure 1, is a view of the improved bow-socket separator as applied to a set of four bow-sockets in their folded position, the separator parts being slightly separated for the purpose of clearer illustration. Fig. 2, a detail sectional view of the male or head separator member attached to a tubular bow-socket. Fig. 3, a similar view of the female or socket separator member. Fig. 4, a transverse sectional

view of the female or socket separator member detached. Fig. 5, a transverse sectional view of the male or head separator member detached.

Similar numerals of reference designate like parts throughout all the figures of the drawings.

The improved bow-socket separator comprises a male or head separator member adapted to be secured to one of the bow-sockets and to cooperate with a female or socket member secured upon the other or adjacent bow-socket.

The separator members are preferably applied and secured to the tubular bow-sockets, while the latter are in the semi-finished or unenameled condition and before being filled with the usual wooden filling or core portions thereof, thus permitting of the metallic bow-socket and separator members being finished or enameled together.

The male or head separator member preferably comprises a shouldered base portion, terminating in a conical head, and the female or socket member preferably comprises a base portion, terminating in or provided with a socket or cup-shaped portion.

The base portions of the male and female members are provided with oval-shaped recesses, and, respectively conforming to and fitting and secured upon the respective bow-sockets as hereinafter described.

Each separator member is provided with a centrally located longitudinally extending opening or axial bore, adapted to receive and contain a fastening element or member such as a rivet, or the like, said rivet preferably having its regular headed portion, disposed within the tubular bow-socket and extending outwardly through an opening therein, the outer end of the rivet in the female or socket member being upset as at, within the bottom portion of the socket or cup-shaped portion of the female member while the outer end of the rivet in the head or male separator member is upset by a suitable tool to form the tip or apex portion of the conical head as at.

When the bow sockets are folded, it will be apparent that if the conical head portions of the male members enter the socket or cup-shaped portions of the female members, the cooperation of said separator members will bring the respective bow-sockets in

alinement with each other as illustrated in Fig. 1, of the drawings, the extreme rim portions of the socket members 3^a, being adapted to rest upon the shoulders of the base portions 2, of the male members when the bow-sockets are folded, thus securely maintaining the latter in their folded position.

From the foregoing description, taken in connection with the accompanying drawings, the operation and advantages of my invention will be readily understood.

Having thus described an embodiment of my invention, without having attempted to set forth all the forms in which it may be made or all the modes of its use, what I

claim and desire to secure by Letters Patent is,—

In a carriage top, a plurality of tubular bow-sockets, head and socket members fitted thereon, and rivet members secured to said bow-sockets by having their heads disposed within the walls of said bow-sockets and passing axially through and riveted to said head and socket members.

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

JAMES C. COSS.

Witnesses:

ISAAC N. PAYNE,
ELEANOR V. NESBITT.

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