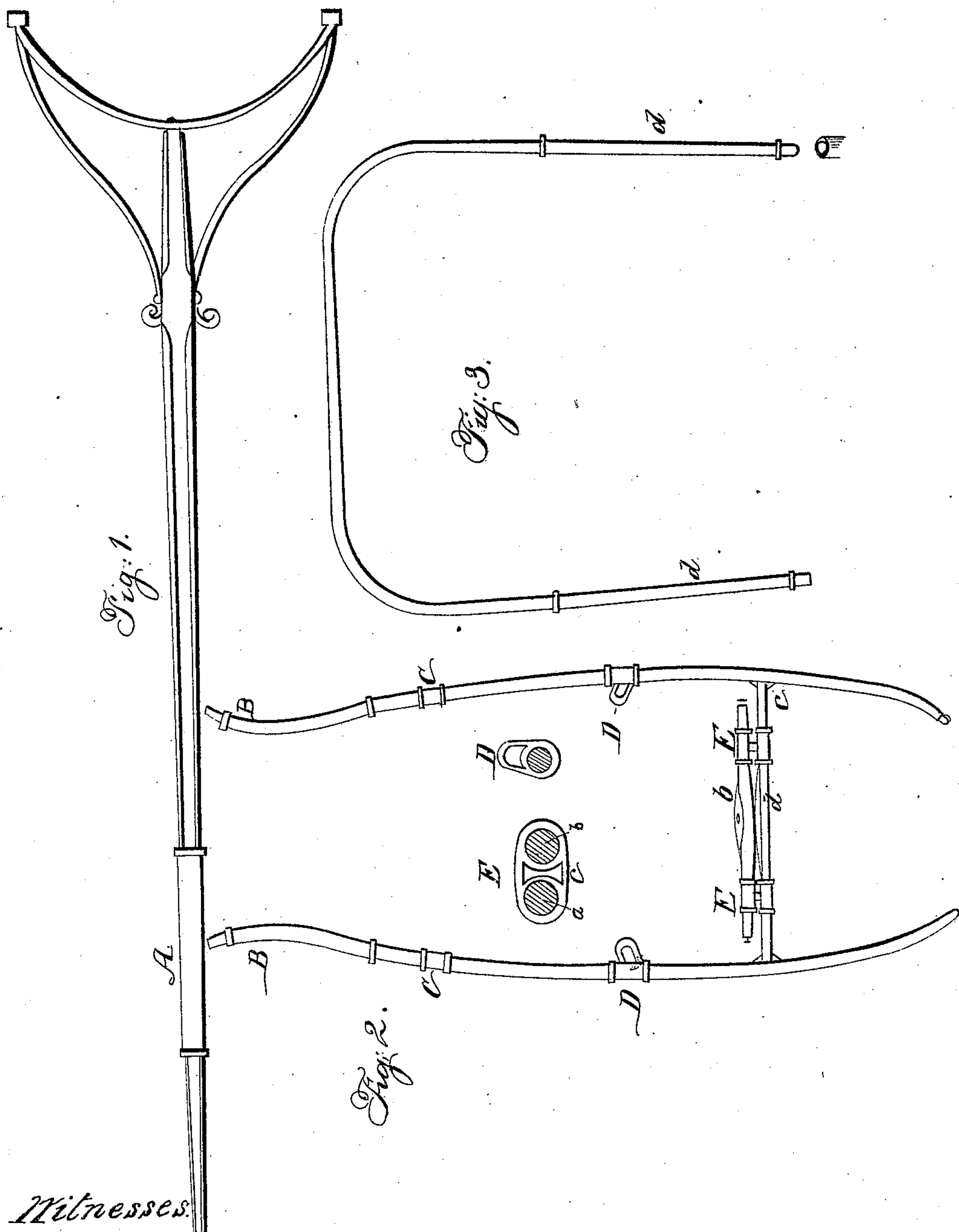


C. BRIED.
Pole and Shaft.

No. 64,942

Patented May 21, 1867.



Witnesses.

Wm M. Gooding
Sidney U. Edwards.

Inventor
Charles Bried

United States Patent Office.

CHARLES BRIED, OF NEWARK, NEW JERSEY.

Letters Patent No. 64,942, dated May 21, 1867.

IMPROVEMENT IN CARRIAGE-TRIMMINGS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, CHARLES BRIED, of the city of Newark, in the county of Essex, and State of New Jersey, have invented or produced some new Trimmings for Poles, Thills, Bows, and Whiffle-trees of Carriages; and I do hereby declare the following to be a full and exact description of the same, reference being had herein to the drawings which accompany this specification, and make part of the same.

The nature of my invention consists in manufacturing from the gum elastics known as India rubber and gutta percha, or their compounds, tubular sockets or sleeves to slip over and remain upon such parts of carriage-poles, thills, whiffle-trees, and bows, as it is desired to cover.

Figure 1 represents the pole of a carriage with a tubular piece of rubber, A, upon the part usually covered with leather; the rubber being prepared and shaped by the methods commonly known to the trade. The elasticity of the material allows of its being sufficiently tight to keep itself in place, and also of its fitting various sizes of the wood.

Figure 2 shows the thills with sockets or sleeves of gum-elastic near their ends, B; a ring C; and a ring with a loop, D, which loop is made part and parcel of the ring, its use being to support the trace and keep from the horse's side. E shows a double sleeve, connected by a band formed upon and of the material of the sleeves or rings, one ring being put upon the cross-bar *a* of the thills, and the other upon the whiffle-tree, *b*. The cross-bands *c* being elastic, allow the necessary motion of the whiffle-tree, and prevents the whiffle-tree from turning when not used. End views on a larger scale are shown of the trace-loop D and the double sleeve or ring E, with the connections.

Figure 3 shows a carriage top bow with a sleeve of gum-elastic, *d*, upon each side.

I claim as a new article of manufacture, rubber or gutta-percha tubes, sleeves, or rings, or compounds of gum-elastics, when made and used in the forms and for the purposes herein above designated.

CHARLES BRIED.

Witnesses:

WM. M. GOODING,
SIDNEY U. EDWARDS.