

No. 662,394.

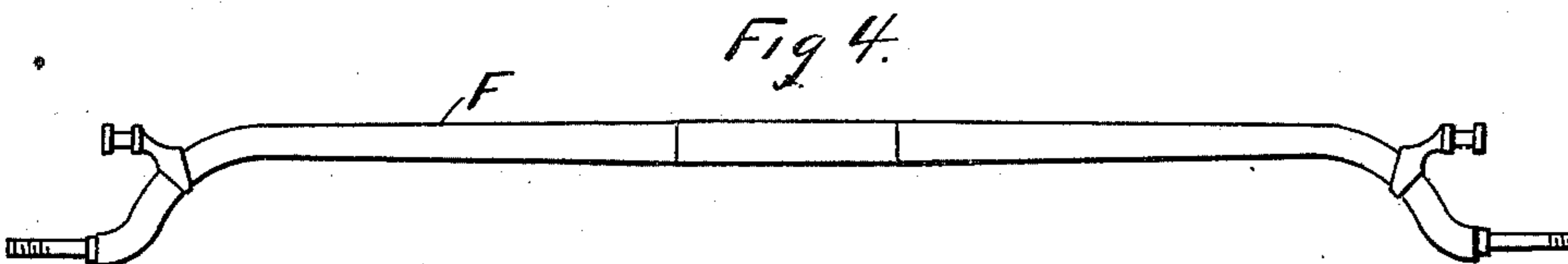
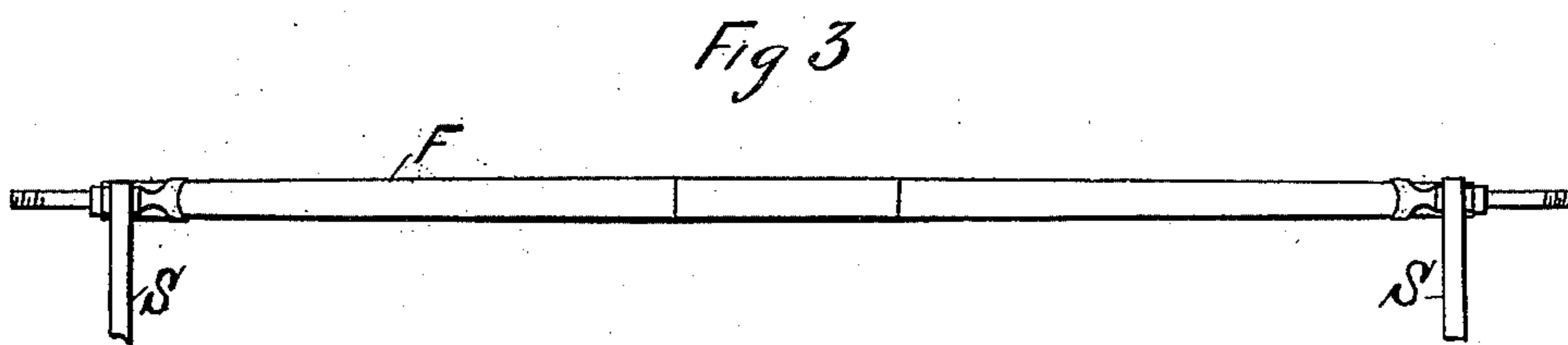
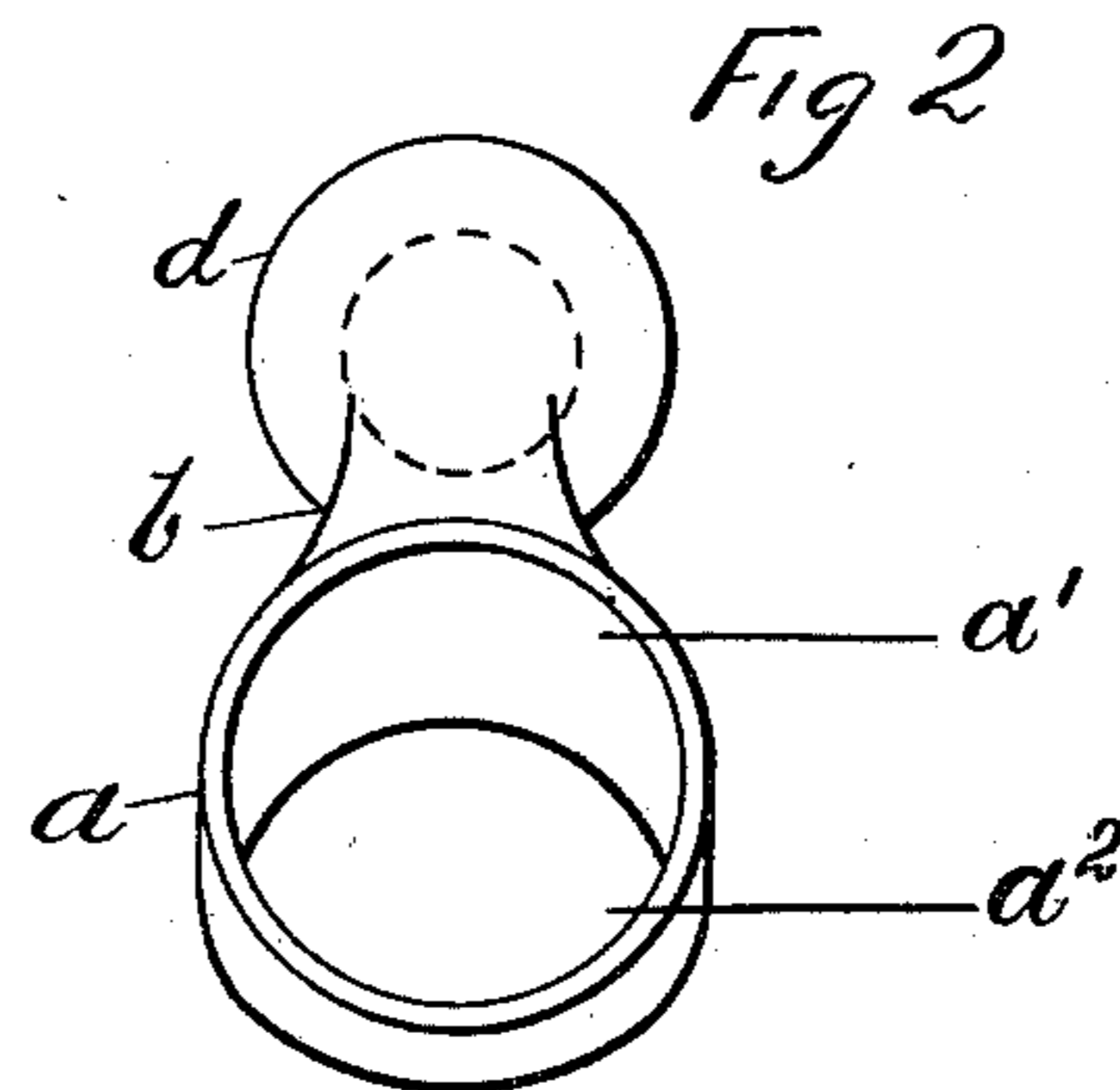
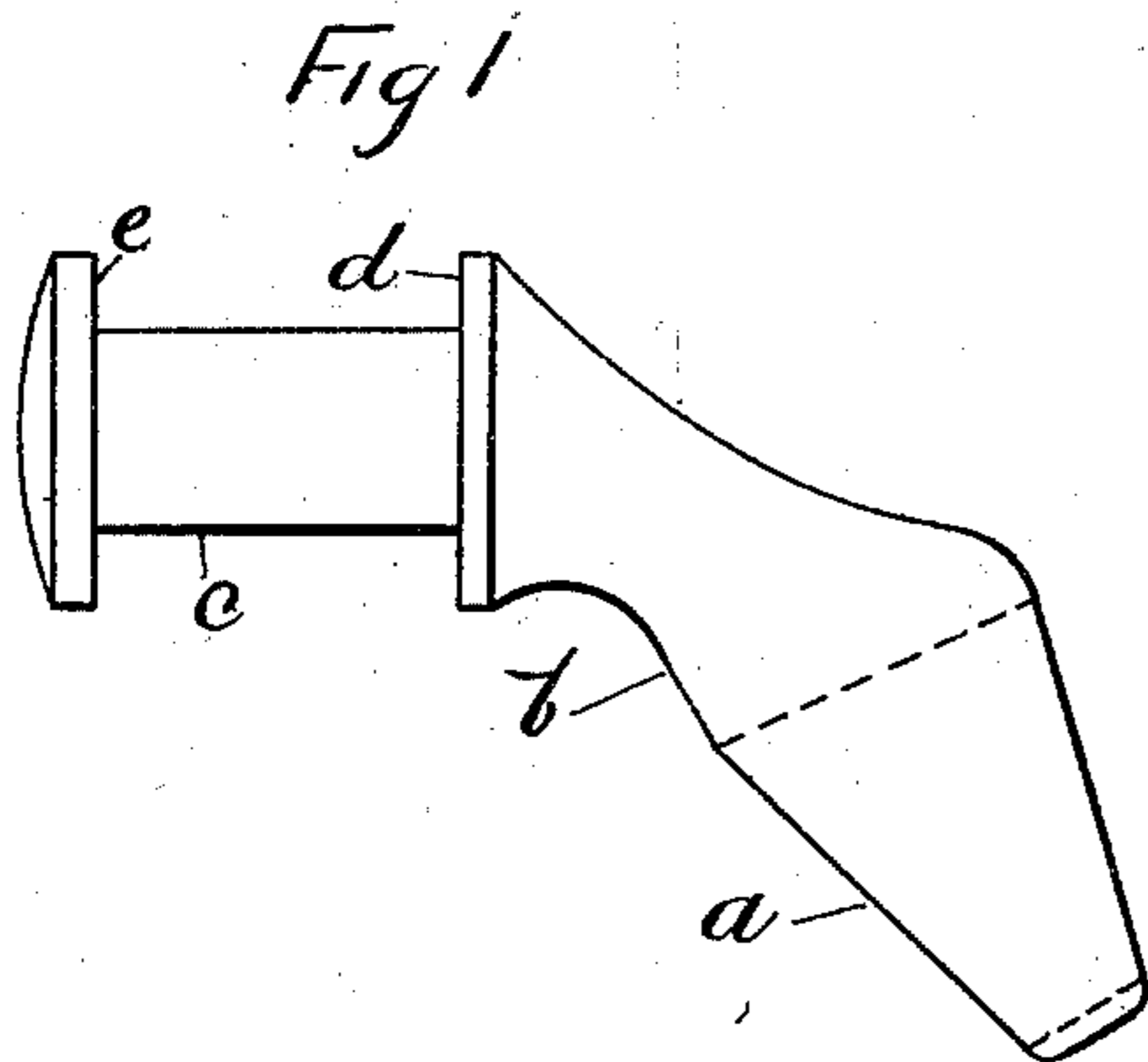
Patented Nov. 27, 1900.

G. DAMON & E. S. PEETS.

AXLE SLEEVE.

(Application filed Oct. 12, 1900.)

(No Model.)



Witnesses:  
*William P. French*  
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# UNITED STATES PATENT OFFICE.

GEORGE DAMON, OF CRANFORD, NEW JERSEY, AND ELIAS SPENCER PEETS,  
OF NEW YORK, N. Y.

## AXLE-SLEEVE.

SPECIFICATION forming part of Letters Patent No. 662,394, dated November 27, 1900.

Application filed October 12, 1900. Serial No. 32,810. (No model.)

*To all whom it may concern:*

Be it known that we, GEORGE DAMON, a resident of Cranford, in the county of Union and State of New Jersey, and ELIAS SPENCER PEETS, a resident of New York, borough of Manhattan, in the county of New York and State of New York, citizens of the United States, have invented certain new and useful Improvements in Axle-Sleeves, of which the following is a specification.

The object of this invention is the production of axle-sleeves which will avoid accidents. The said sleeves are constructed to encircle the axles to which they are applied and insure rigidity and neatness, with absolute safety.

Figure 1 represents an elevation of our axle-sleeve. Fig. 2 is an end view. Figs. 3 and 4 show a top view and elevation of our invention applied to a wagon-axle.

The sleeve consists of the envelop *a*, the body *b*, the journal *c*, and the shoulders *d* and *e*.

At F is shown a wagon-axle with our axle-sleeve attached, securing the shafts or thills S. The axle-sleeves are generally both pinned and brazed to the wagon-axles.

The crucial point of our invention is the enveloping of the wagon-axle by our sleeves for more than half of the outer circumference of the said wagon-axle, thereby clenching the same and obtaining bearing-surfaces opposite to the direction of the force applied to the sleeves through the wagon-shafts.

It is evident that the envelop of our sleeve could be cut off on the line *a*<sup>2</sup>, Fig. 2, and that the internal opening of the envelop could be elliptical or of such shape as to conform to the wagon-axle to which it is to be applied and still retain the spirit of our invention.

Heretofore sleeves of this kind have been made with envelops encircling less than half of the circumference, as if the same were cut off on the line *a'*, Fig. 2.

If for any reason our sleeves become loose on the wagon-axle, they will still remain on the same and prevent the shafts or thills falling, and thus avoid accidents.

Having described our invention, we desire to secure by United States Letters Patent and claim—

1. An axle-sleeve comprising an envelop the surface of which constitutes more than half of a circumference, a body extending from said envelop, a journal carried by said body substantially as described.

2. An axle-sleeve comprising an envelop to completely encircle an axle, a body extending from said envelop, a journal carried by said body, substantially as described.

Signed at New York, in the county of New York and State of New York, this 9th day of October, A. D. 1900.

GEORGE DAMON.  
ELIAS SPENCER PEETS.

Witnesses:

D. E. DAMON,  
J. A. F. NEWTON.