

No. 842,335.

PATENTED JAN. 29, 1907.

G. T. PRICE.
AXLE.

APPLICATION FILED SEPT. 11, 1906.

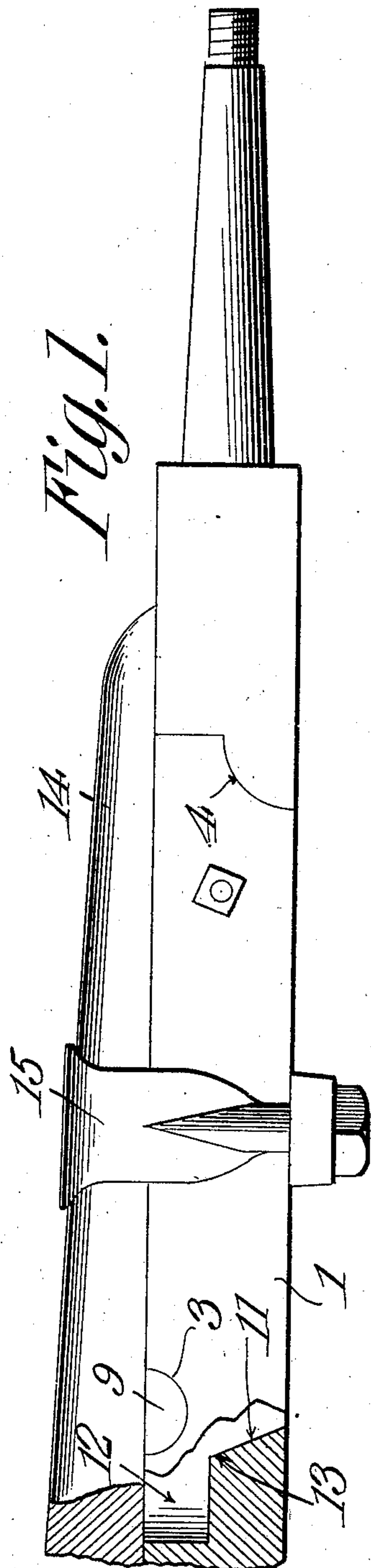


Fig. 1.

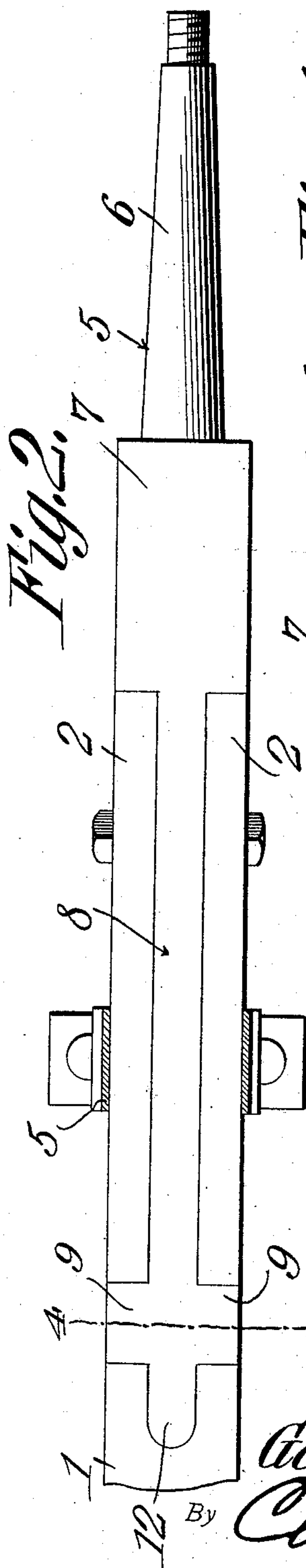


Fig. 2.

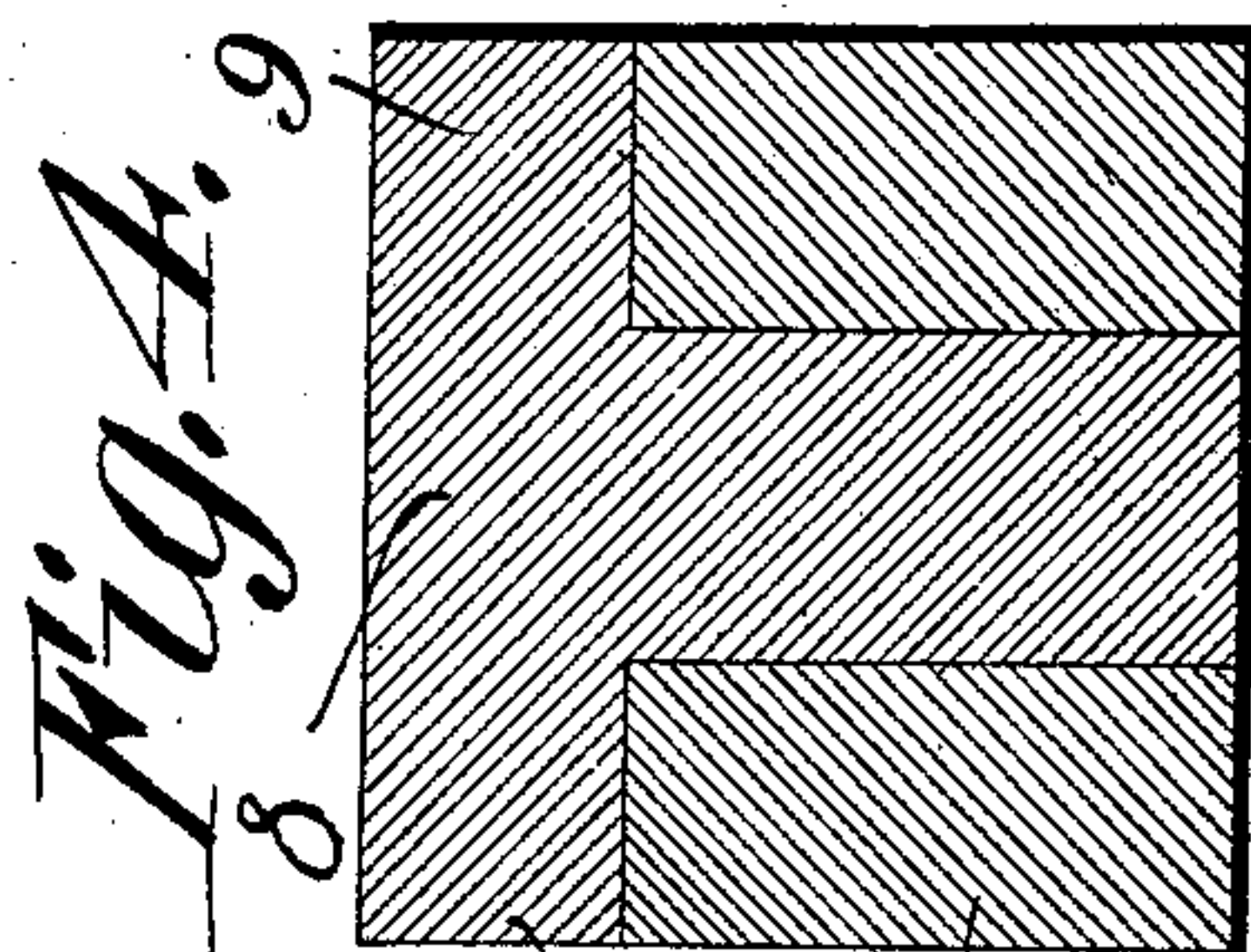


Fig. 4.

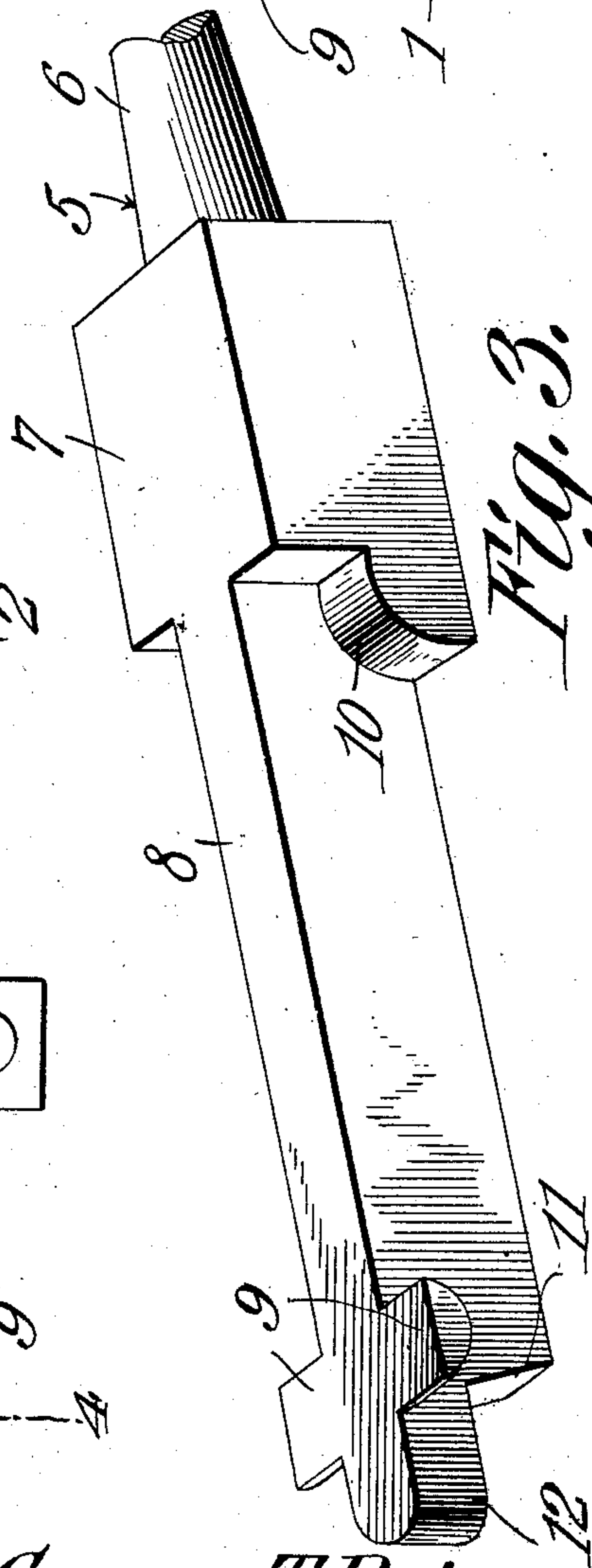


Fig. 3.

WITNESSES:

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AXLE.

No. 842,335.

Specification of Letters Patent.

Patented Jan. 29, 1907.

Application filed September 11, 1906. Serial No. 334,198.

To all whom it may concern:

Be it known that I, GEORGE T. PRICE, a citizen of the United States, residing at Conroe, in the county of Montgomery and State of Texas, have invented a new and useful Axle, of which the following is a specification.

This invention relates generally to vehicle-axles, and particularly to that class of axles which are provided with removable stubs or spindles.

The objects of the invention are to improve and simplify the construction of such devices; furthermore, to increase their efficiency in operation and to decrease the expense attending their manufacture.

With the foregoing and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of invention herein disclosed can be made within the scope of the following claims without departing from the spirit of the invention or sacrificing any of its advantages.

In the accompanying drawings, forming part of this specification, Figure 1 is a side elevation of the inner end of an axle constructed in accordance with the present invention. Fig. 2 is a plan view, the axle and clip being shown in section and the brace-bar removed. Fig. 3 is a perspective view of the inner end of the axle-stub, and Fig. 4 is a section on the line 4 4 of Fig. 2.

Like reference-numerals indicate corresponding parts in the different figures of the drawings.

The axle 1 is formed at each end with a pair of spaced parallel extensions 2, each of which is formed in the upper portion and near the inner end thereof with an approximately semicircular notch 3. Each of the spaced parallel extensions 2 is also formed in the lower portion and near the outer end thereof with an approximately semicircular notch 4, which preferably is produced by cutting away the lower outer corner of the extension 2 on a curve, as shown,

The axle-stub, which is indicated generally by the numeral 5, preferably consists of an ordinary spindle 6, an enlarged intermediate portion 7, and an inwardly-projecting tongue 8, which is of the proper size to fit into the

space between the parallel extensions 2 of the axle 1. The tongue 8, adjacent the inner upper end thereof is formed with a pair of approximately semicircular lateral projections 9, which are adapted to fit into the notches 3 of the parallel extensions 2. Adjacent the lower outer end thereof the tongue 8 is formed with a similar pair of lateral projections 10, which are adapted to fit into the notches 4 of the extensions 2. The inner lower corner of the tongue 8 is cut away, as indicated at 11, to produce an inward extension 12, which is adapted to fit into an angular seat 13, formed in the end of the axle 1 between the inner ends of the parallel extensions 2, as shown.

For the purpose of holding the stub 5 in engagement with the parallel extensions 2 of the axle 1 a brace-bar 14 is employed, this brace-bar being fitted along the upper edge of the extensions 2 and axle-stub 5 and being held securely in position thereon by means of an ordinary axle-clip 15.

It will be obvious that the lateral projections 9 and 10 serve to hold the stub 5 securely in engagement with the axle 1, and at the same time whenever the spindle 6 becomes worn the axle-stub can be readily removed by loosening the clip 15 and removing the brace-bar 14.

The improved device of the present invention is strong, simple, durable, and inexpensive in construction as well as thoroughly efficient in use.

What is claimed as new is—

1. An axle having spaced extensions formed in their upper and lower portions with notches, an axle-stub having a tongue adapted to fit between said extensions and having lateral projections to fit the upper and lower notches of said extensions, and means for holding said tongue in position between said extensions.

2. An axle having spaced extensions formed in their upper and lower portions with notches, an axle-stub having a tongue provided with lateral projections adapted to fit the notches of said spaced extensions, and a brace-bar extending along the upper edges of said extensions and tongue for holding the parts assembled.

3. An axle having an angular seat and spaced parallel end extensions formed in their upper inner edges with approximately

semicircular notches and in the lower outer corners with approximately semicircular notches, an axle-stub having a spindle, an enlarged intermediate portion, and an inner
5 tongue having its lower corner cut away to produce an extension adapted to fit into the angular seat of said axle, said tongue also having lateral projections adjacent its upper
10 inner end to fit the notches in the inner upper edges of said spaced extensions, and similar lateral projections adjacent the lower outer end thereof to fit the lower outer

notches of said spaced extensions, a brace-bar fitted against the upper ends of said axle and axle-stub, and an axle-clip extending 15 around said brace-bar and spaced extensions.

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

GEORGE T. PRICE.

Witnesses:

W. P. FARRELL,
M. C. KELLEY.