

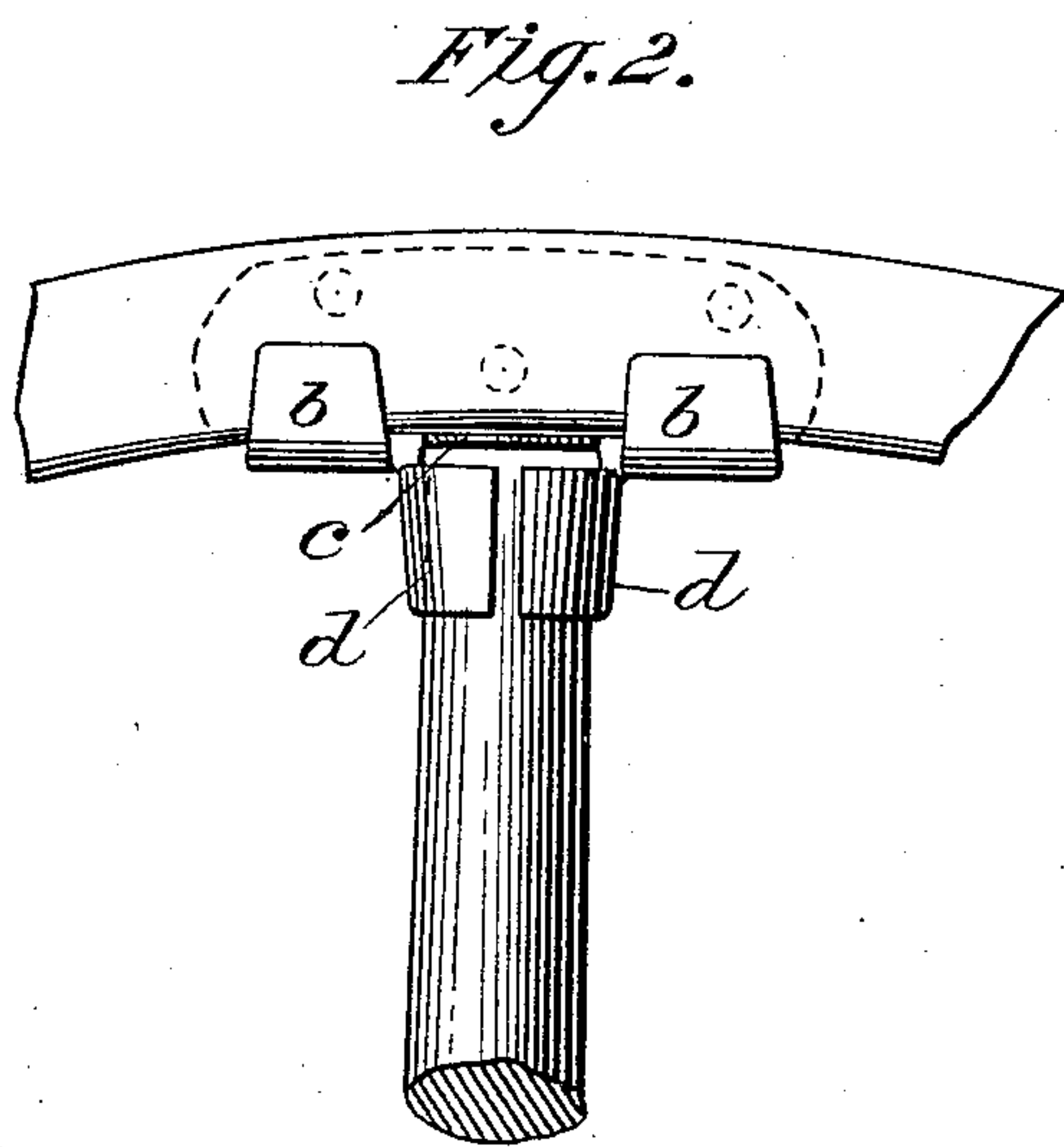
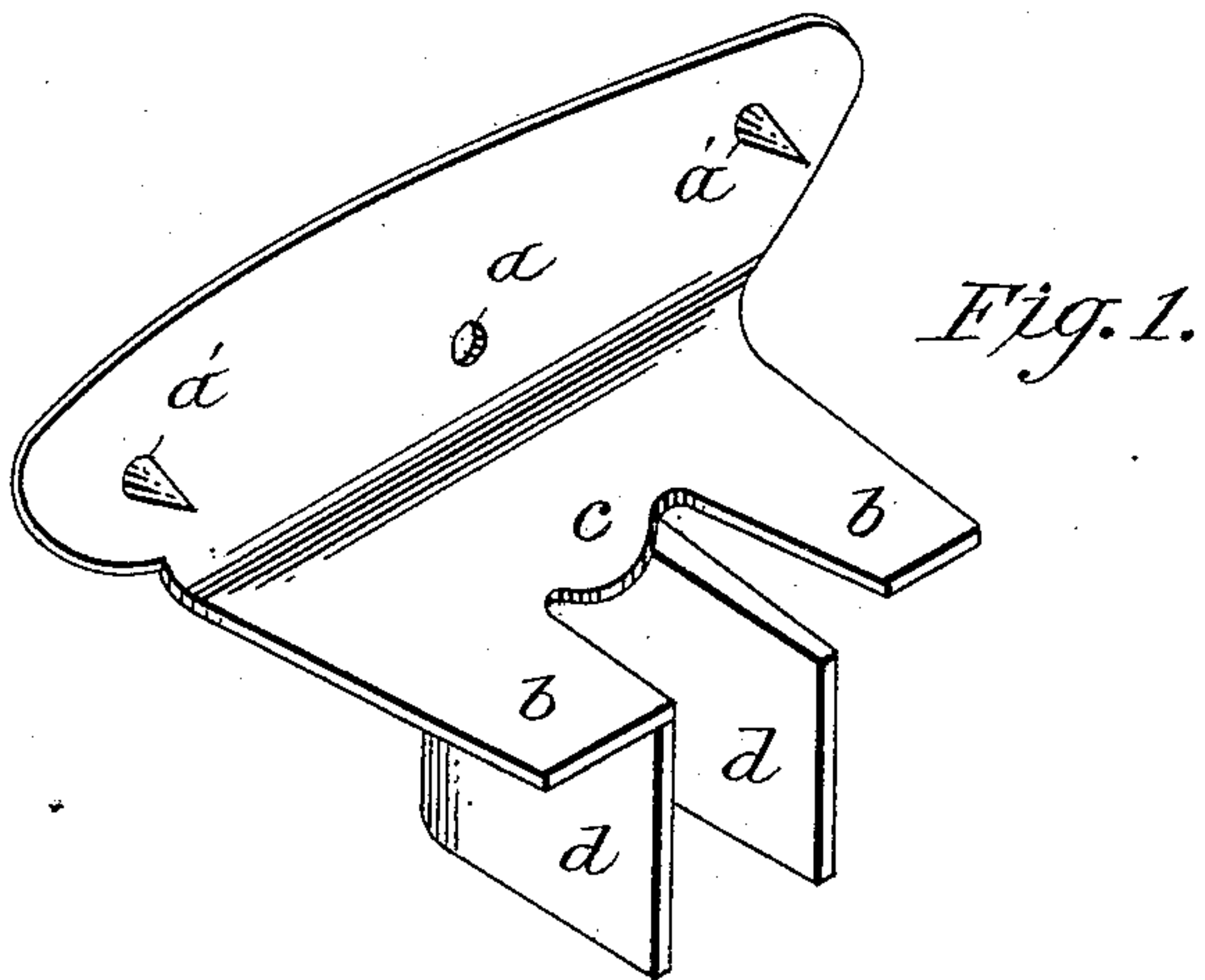
(No Model.)

G. W. STEELE.

SPOKE SOCKET.

No. 390,144.

Patented Sept. 25, 1888.



Witnesses:
A. Smith
John White

Inventor:
G. W. Steele
by J. J. Greenough
Atty

UNITED STATES PATENT OFFICE.

GEORGE W. STEELE, OF SYRACUSE, NEW YORK.

SPOKE-SOCKET.

SPECIFICATION forming part of Letters Patent No. 390,144, dated September 25, 1888.

Application filed March 26, 1888. Serial No. 268,559. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. STEELE, of Syracuse, Onondaga county, in the State of New York, have invented a certain new and useful improvement consisting of a clip for uniting the spokes and fellyes of vehicle-wheels, of which the following is a description.

In the ordinary wear of carriage-wheels the tenons of the spokes are constantly wearing loose, so as to require replacing at considerable cost and loss of time, often at great inconvenience to the owner.

My improvement is made to cheapen the repairing and obviate those inconveniences by saving the insertion of new spokes and the time required for their setting. The device is equally applicable to light or heavy wheels. I attain these objects by the device illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the clip formed ready for attachment. Fig. 2 shows the clip attached to the spoke and felly.

I form this clip of any suitable metal, preferably of malleable iron, the parts being so constructed as to be readily molded, as clearly seen in Fig. 1, in which *a* is a plate that fits the under side of the felly and its outer face. *b b* are two flat prongs that project from the

lower edge of the plate *a* on each side of the socket, which is a U-shaped piece, the ends *d d* of which stand out at right angles to the plane of prongs *b*, as clearly seen in Fig. 1. Between the prongs *b* there is a cap covering the socket, that when the clip is in place is slipped in over the end of the spoke cut away to receive it. Two or more points, *a'*, project from the inner face of plate *a*, by which, in combination with the prongs *b*, it is affixed to the felly; or, instead thereof, screws or rivets may be substituted. The clip thus formed is slipped onto the felly, the cap *c* coming over the end of the spoke, which is cut away sufficiently to receive it. The prongs *b* are then bent up against the felly on the side opposite plate *a*, and the projecting ends of the socket *d d* are bent around the spoke, as seen in Fig. 2, by which the felly and spoke are securely united.

Having thus fully described my invention and its purposes, I claim as new—

The combination of the prongs *b b* and socket ends *d d* with the plate *a*, substantially as and for the purposes specified.

GEORGE W. STEELE.

Witnesses:

J. J. GREENOUGH,
JOHN WHITE.