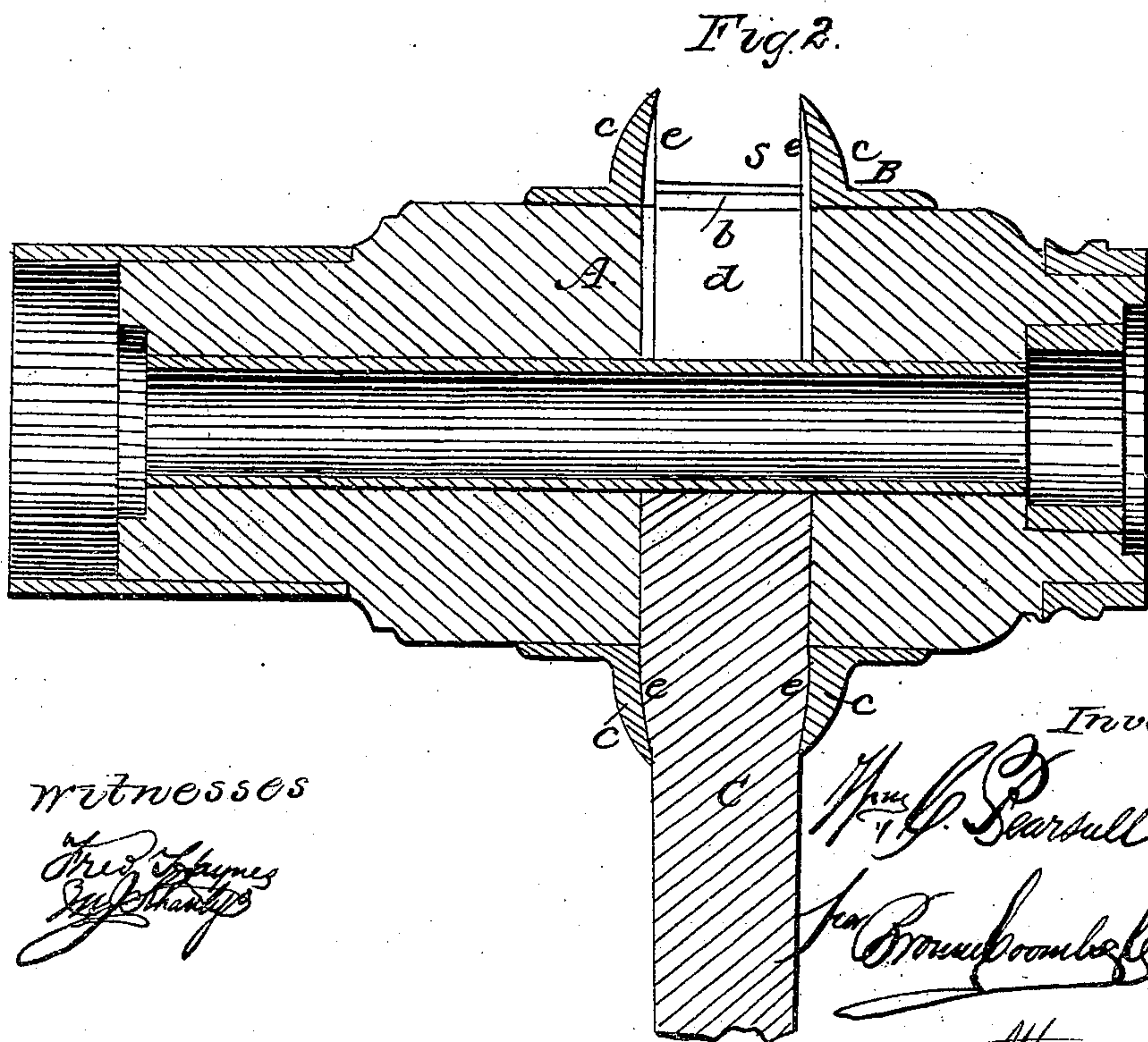
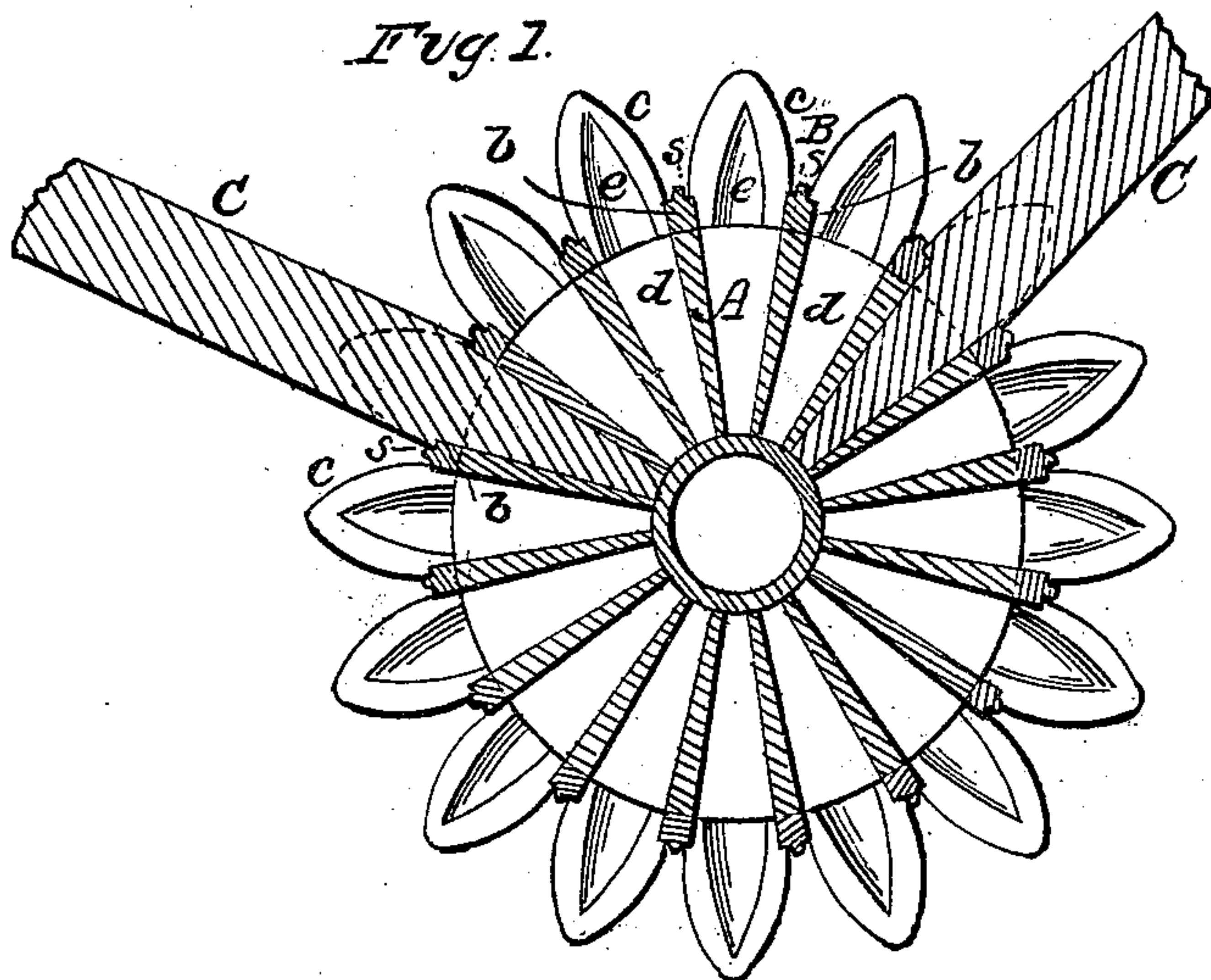


W. C. PEARSALL.

Wheel Hub.

No. 99,942.

Patented Feb. 15, 1870.



witnesses
The J. J. J. J. J.

Inventor

Wm. G. Searsull

For Brunswick

Attorney

UNITED STATES PATENT OFFICE.

WILLIAM C. PEARSALL, OF McMINNVILLE, TENNESSEE.

IMPROVEMENT IN HUBS FOR CARRIAGE-WHEELS.

Specification forming part of Letters Patent No. 99,942, dated February 15, 1870.

To all whom it may concern:

Be it known that I, WILLIAM C. PEARSALL, of McMinnville, in the county of Warren and State of Tennessee, have invented a new and useful Improvement in Hubs for Carriage and other Wheels, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification, and in which—

Figure 1 represents a transverse section through a carriage-wheel hub constructed in accordance with my improvement, and Fig. 2 a longitudinal section of the same.

Similar letters of reference indicate corresponding parts in both figures.

My invention consists in a novel construction of hubs for the wheels of carriages and other vehicles, in which the wooden portion of the hub has a metal band of peculiar form or construction surrounding it, to give increased strength to the hub and the spokes entered therein.

Referring to the accompanying drawing, A represents the main or body portion of the hub, made of wood and bound at its ends with metal; also fitted as usual with a central metallic sleeve or bush. B is the metal spoke-band, made to closely fit or hug the hub. This band may be described as consisting of a front and back ring united by spoke-dividing bars *b* and projecting points or braces *c* to the front and back or inner and outersides of the spokes, the whole being formed in one casting, and re-

ceiving the spokes C in through it. Said spokes are entered at their tenon ends in between the bars *b* and spaces *d* formed in the hub and the tenon of the spokes, preferably made tapering, to give increased strength to the hub.

The points or braces *c*, which support or strengthen the front and backs of the spokes, have each a cavity, *e*, formed in them for the spokes to swell or settle in when driven home hard to their places in the hub, while the bars *b*, which are arranged between the tenons and under the shoulders of the spokes, and support the latter at their edges, also brace the front and back rings of the band, have each a small rib, *s*, centrally along their outside surfaces, which ribs serve to stiffen the bars *b* and strengthen or support the spokes.

A like construction of hub or hub-band B, that keeps the hub from breaking, may be made for irregular spokes as well as for those in range around the hub.

What is here claimed, and desired to be secured by Letters Patent, is—

The projections *c*, constructed with cavities *e* in their inner faces, and arranged on the band B to give lateral support to the spokes C, as shown and described.

WILLIAM C. PEARSALL.

Witnesses:

SAM. HENDERSON,
J. W. MITCHELL.