

M. H. CRANE.
Hub-Bands for Vehicles.

No. 151,569.

Patented June 2, 1874.

Fig. 1

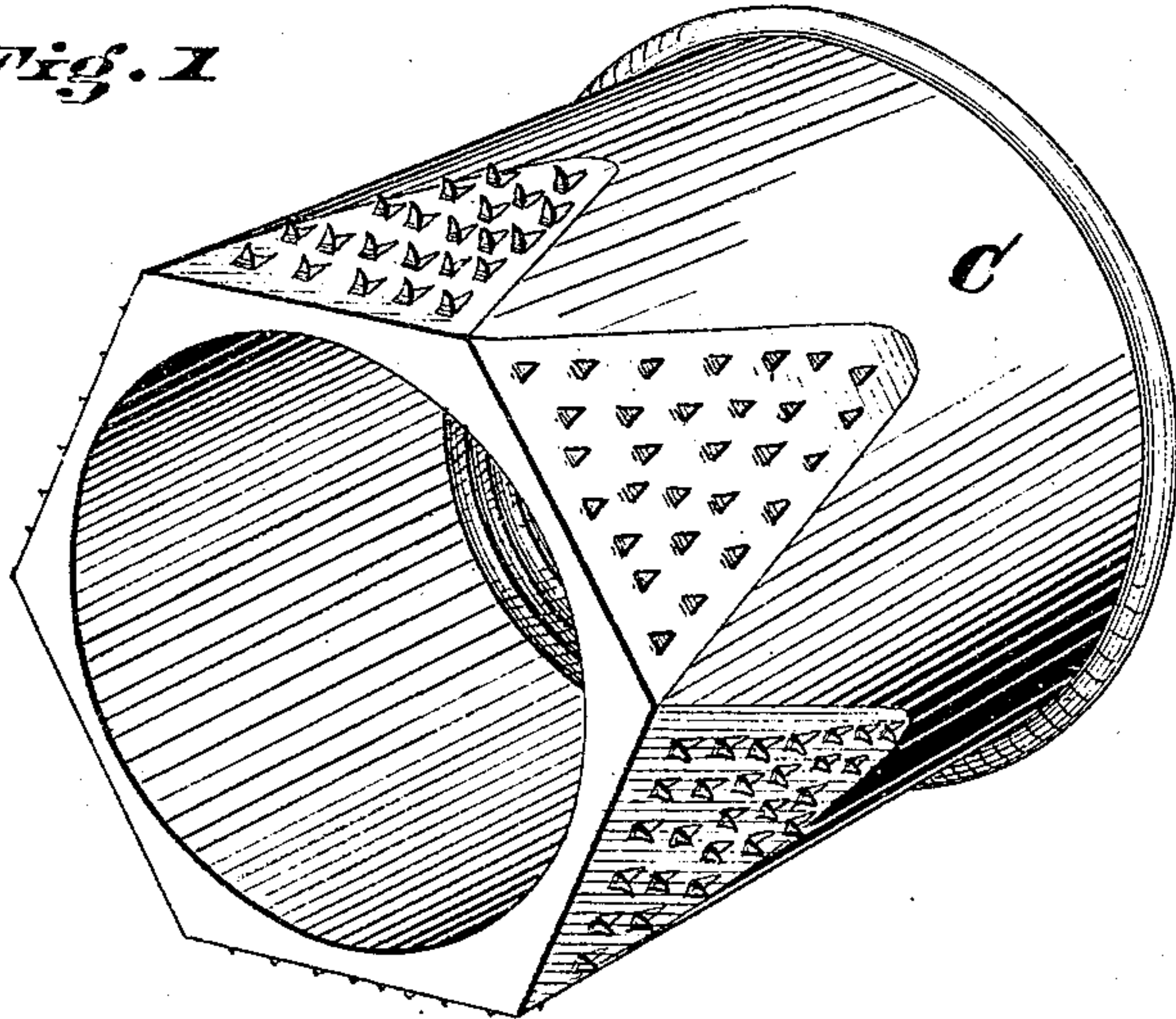
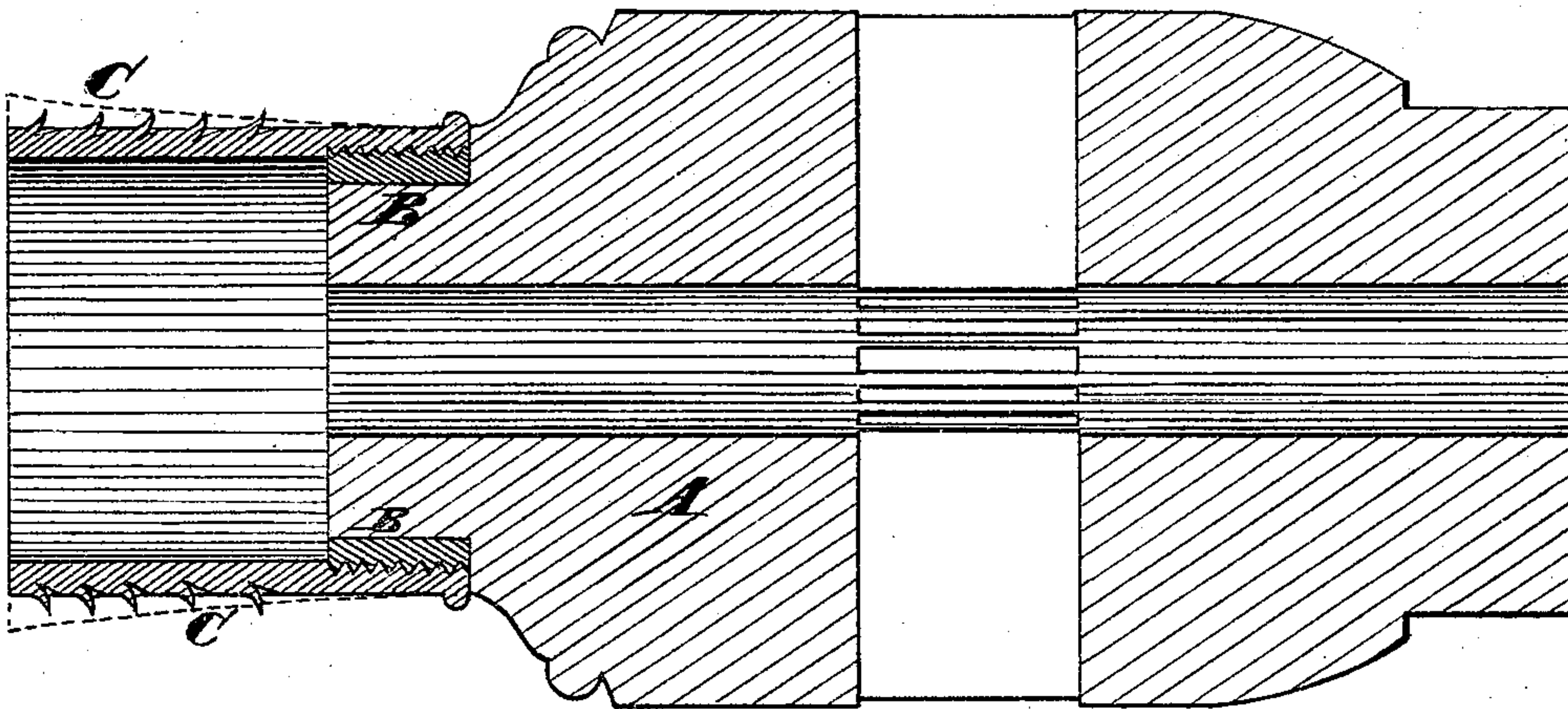


Fig. 2



Attest

M. H. Crane
Chas Crapsey

Inventor

Martin H. Crane
By J. Millward
Attorney

UNITED STATES PATENT OFFICE.

MARTIN H. CRANE, OF CINCINNATI, OHIO, ASSIGNOR TO CRANE,
BREED & CO.

IMPROVEMENT IN HUB-BANDS FOR VEHICLES.

Specification forming part of Letters Patent No. **151,569**, dated June 2, 1874; application filed
March 4, 1874.

To all whom it may concern:

Be it known that I, MARTIN H. CRANE, of Cincinnati, Hamilton county, State of Ohio, have invented a certain new and useful Improvement in Hub-Bands for Carriage-Wheels, of which the following is a specification:

My invention is designed for carriage-wheels on which hub-bands of elaborate ornamentation or high polish are used; and my invention consists of a two-part band, one part of which is of rough unfinished construction, and used to permanently protect the hub, and the other part detachable by a screw-thread connection, and having upon its exposed exterior the ornamentation plating or high finish, the object being to enable the finished part, which is easily damaged or defaced, to be taken off, cleaned, and put away safely until the carriage is required for use, leaving, however, the unfinished or less expensive band to fully and permanently protect the hub of the wheel from splitting.

Figure 1 is a perspective view of the exterior part, or detachable part, of my improved hub-band. Fig. 2 is an axial section of a hub with the two parts of the band united and in place on the hub.

A is the hub of ordinary construction. B is a band of metal surrounding the outer end of the hub, and secured to it tightly by shrinking, application of screws, or otherwise. It is screw-threaded on its exterior periphery, and

is a permanent band for the protection constantly of the hub from the danger of splitting. It is not necessarily ornamented or highly finished, being designed to admit of rough usage when the outer band is removed. C is the exterior or outer band. It is screw-threaded interiorly at its inner end to fit over the screw-threaded exterior of the band B, as shown in Fig. 2. This exterior band is, preferably, of circular form at its inner end, and of hexagonal form at its outer end, the sides of the hexagon being roughened to form steps for convenience of persons passing onto, into, or from, the carriage, and this band is so prolonged as to cover up the usually unsightly end of the axle-box and the nut of the axle. This band C, being detachable, is adapted for the highest ornamentation, plate or finish.

I do not claim, broadly, the use of a detachable metallic band or cap, used in connection with a hub, but limit myself to its application to wooden hubs in the particular manner shown.

I claim—

The combination of permanent band B, detachable band C, and a wooden hub, substantially as and for the purpose specified.

In testimony of which invention I hereunto set my hand.

MARTIN H. CRANE.

Witnesses:

R. M. HUNTER,
GEO. W. CORMANY.