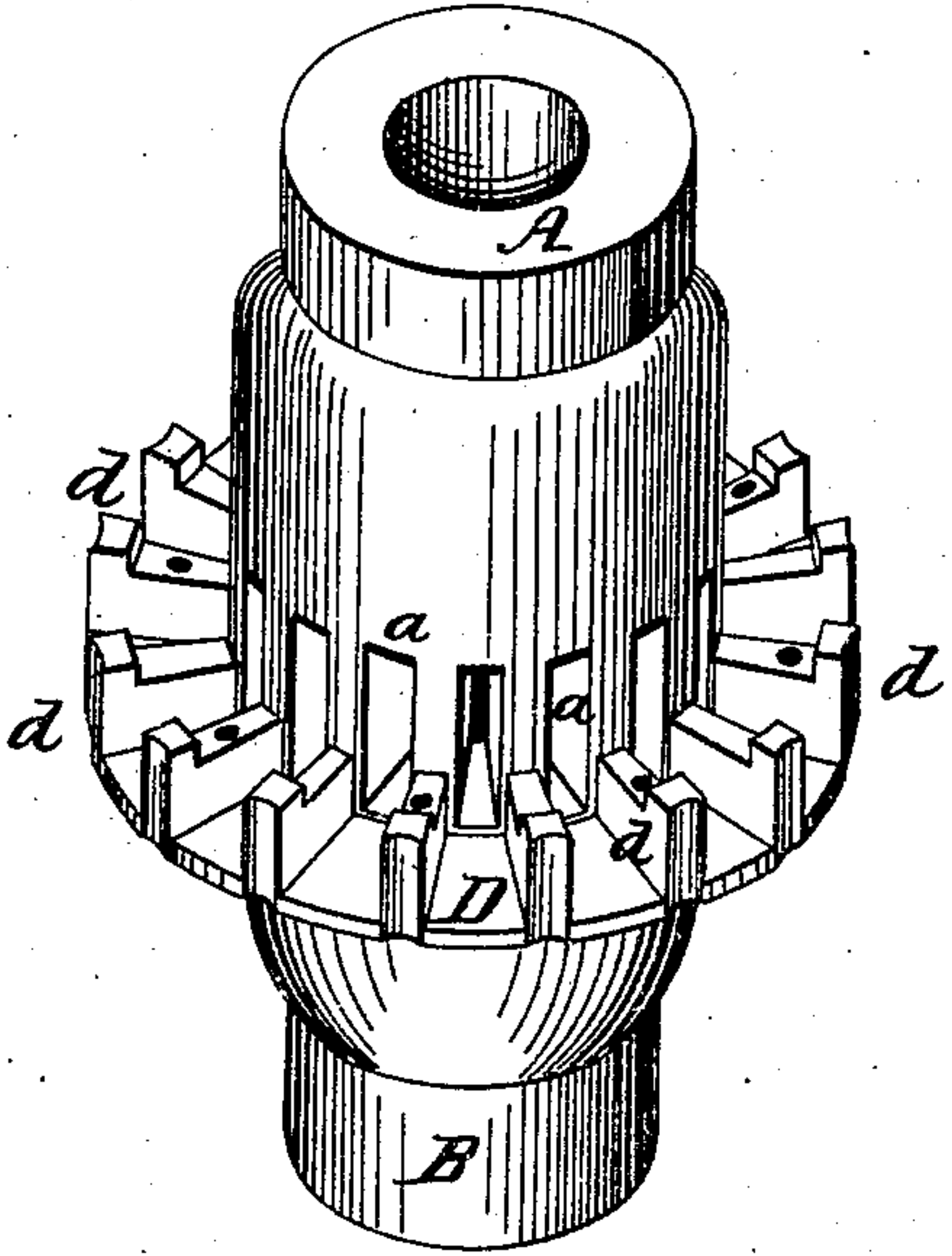
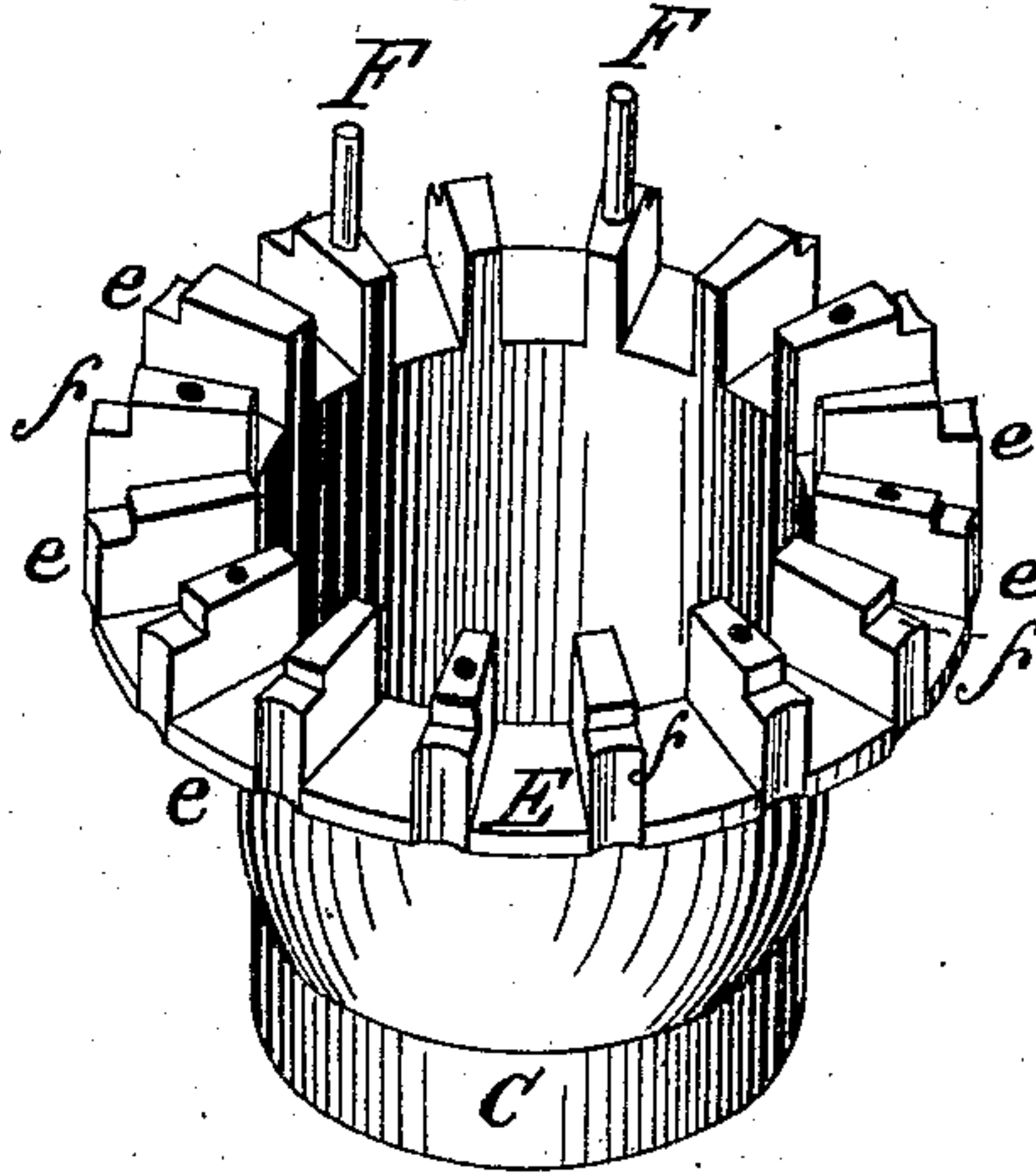


W. H. Rodeheaver  
Hub.  
No 76,818. Patented Apr. 14, 1868.

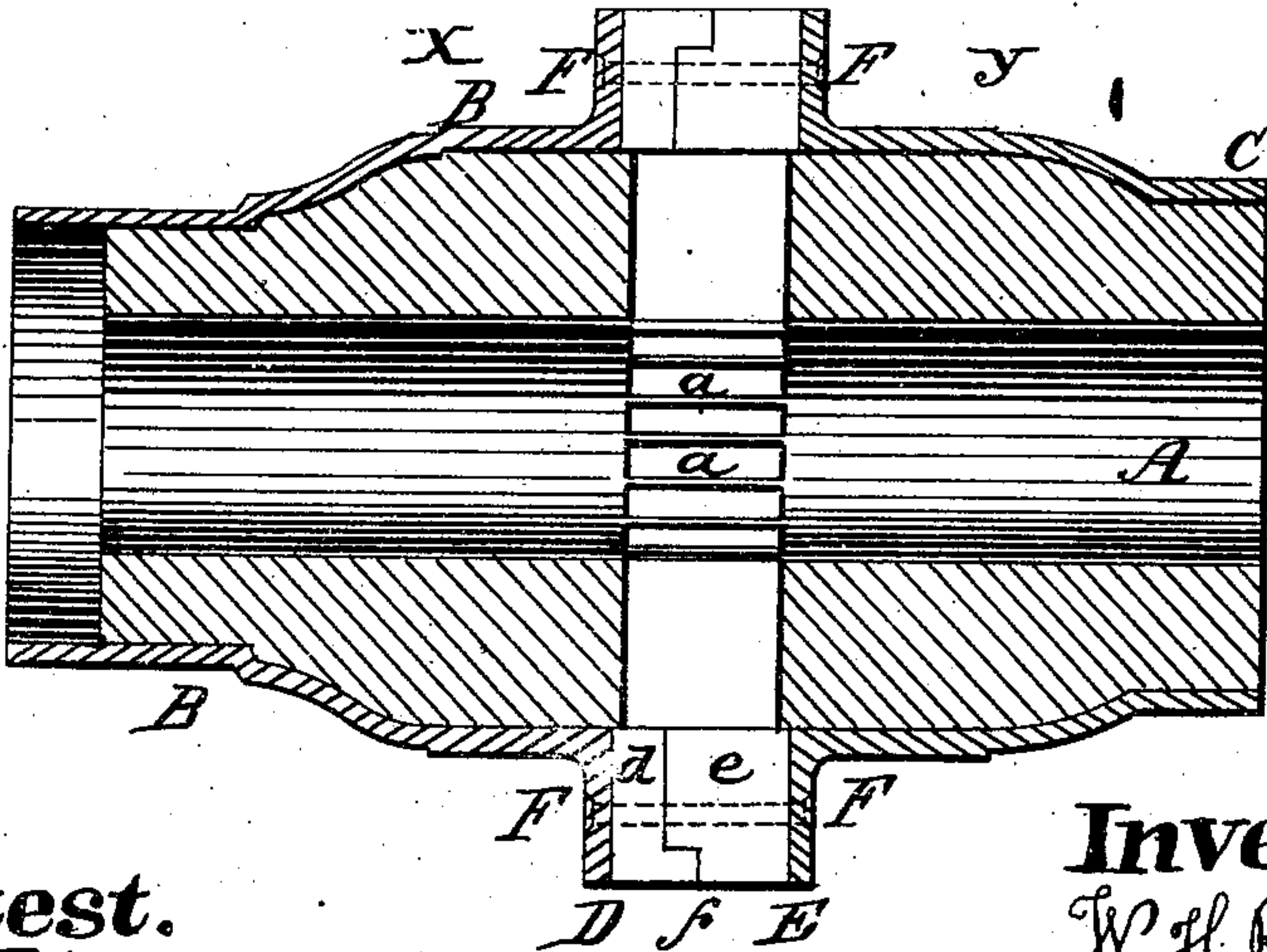
**Fig. 1.**



**Fig. 2.**



**Fig. 3.**



**Attest.**

G. H. Pablos.  
 J. E. M. Bowen  
 11

***Inventor.***

W. H. Rodeheaven  
Ray Knight Bros  
Attys

# United States Patent Office.

WILLIAM H. RODEHEAVER, OF MIAMISBURG, OHIO.

*Letters Patent No. 76,818, dated April 14, 1868.*

## IMPROVED HUB FOR WAGON-WHEEL.

The Schedule referred to in these Letters Patent and making part of the same.

### TO WHOM IT MAY CONCERN:

Be it known that I, WILLIAM H. RODEHEAVER, of Miamisburg, Montgomery county, and State of Ohio, have invented a certain new and useful Hub for Wagon-Wheels; and do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

My invention relates to a form of hub for the wheels of wagons and carriages, which combines great strength and durability with elegance and compactness.

Figure 1 is a perspective view of the hub proper, and one of the bands, in position.

Figure 2 is a perspective view of the other band, detached.

Figure 3 is an axial section of my improved hub ready to receive the spokes.

The bands B and C, having been shrunk or driven home, are secured by a suitable number of rivets or bolts, F. The two bands, B and C, in the most complete form of my invention, form a complete covering or casing to the hub proper, and dispense with the necessity of separate bands for the point and butt, respectively, usually put on after the wheel is made. The flanges and lugs, meeting at the middle of the hub, form a series of complete sockets and mortises, which, receiving the full size of the spoke, hold it very firmly, and afford to the spokes an effective support, such as would require a hub of one-half greater area.

A is the hub proper, of wood, having a series of customary mortises, *a*.

B C are two bands, which may be of brass or malleable iron, driven upon the hub proper, or of wrought iron, shrunk upon said hub.

Each band has a flange, marked D and E, from which project lugs *d* and *e*, which are jagged or scarfed at *f*, so as to closely interlock at the middle of the hub, and to form partitions *d e*, which, in conjunction with the flanges D and E, constitute a series of mortises, G, which brace and stiffen part of the spoke nearest to but outside of the hub proper.

The bands B and C may terminate at the points *x* and *y*, the points and butt of the hub being provided with distinct hoops or bands, but I prefer the form here represented.

I claim herein as new, and of my invention—

The arrangement of the pair of bands B C, enclosing a wooden hub, and being provided with flanges D E, and interlocked lugs *d e*, the whole being secured by rivets, in the manner and for the purpose set forth.

In testimony of which invention, I hereunto set my hand.

WILLIAM H. RODEHEAVER.

Witnesses:

GEO. H. KNIGHT,  
JAMES H. LAYMAN.