

R. W. WHEELER

Cylinders for Lining Wooden Pumps.

No. 140,802.

Patented July 15, 1873.

Fig. 1.

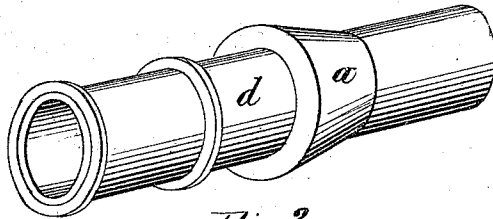
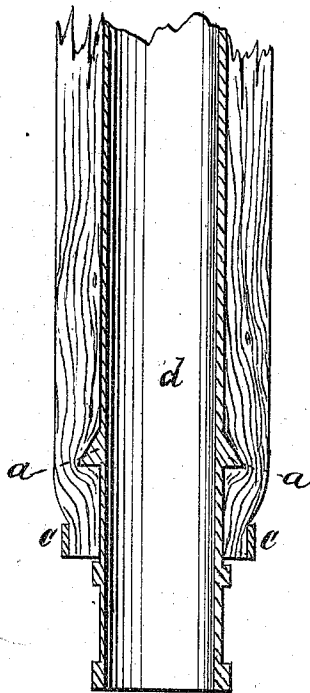


Fig. 2.



Witnesses.

Thos J Price
G. Henry

Inventor

Richmond W. Wheeler

UNITED STATES PATENT OFFICE.

RICHMOND W. WHEELER, OF BUSHNELL, ILLINOIS.

IMPROVEMENT IN CYLINDERS FOR LINING WOODEN PUMPS.

Specification forming part of Letters Patent No. **140,802**, dated July 15, 1873; application filed April 26, 1873.

To all whom it may concern:

Be it known that I, RICHMOND W. WHEELER, of Bushnell, in the county of McDonough and State of Illinois, have invented a new and useful Improvement in Cylinders for Lining Wooden Pumps; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification, in which—

Figure 1 is a perspective view of the cylinder. Fig. 2 is a longitudinal section, showing the cylinder inserted in the wooden pump.

My invention relates to that class of cylinders for lining wooden pumps—that is, made of cast-iron and lined on the inside with porcelain. My invention consists in a more substantial means of securing the cylinder rigidly to the pump-stock.

This I do by having cast on the cylinder a wedge-shaped ring, shown at *a*, Figs. 1 and 2, the cylinder being driven into the pump-stock until the ring *a* is some two or three inches beyond the end of the pump-stock, as shown in Fig. 2, at *a*; then an iron band, shown at *c*, is driven over the end of the wooden stock, which shrinks the wood down over the edge of the ring *a*, shown in Fig. 2, and keeps it firm and secure to its place.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The cylinder *d*, as shown, with a wedge-shaped ring, *a*, as and for the purpose set forth.

RICHMOND W. WHEELER.

Witnesses:

THOS. J. PRICE,
G. STRONG.