

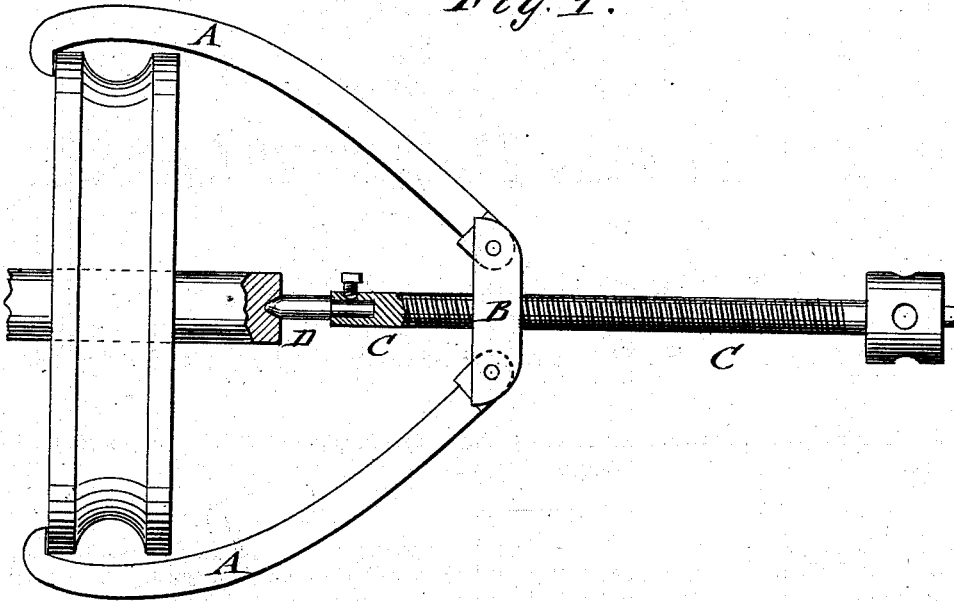
H. F. CASTERLINE.

DEVICE FOR DRAWING PULLEYS FROM SHAFTING.

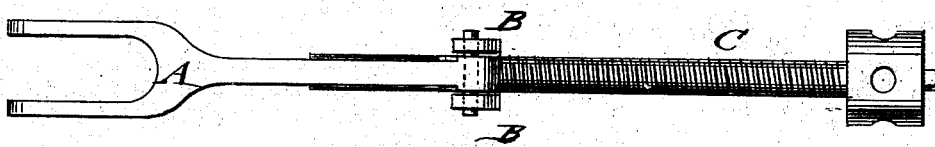
No. 186,229.

Patented Jan. 16, 1877.

*Fig. 1.*



*Fig. 2.*



WITNESSES:

*E. Wolff.*  
*John Cochals*

INVENTOR:

*H. F. Casterline*  
BY *Muntz*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

HENRY F. CASTERLINE, OF GRAND DETOUR, ILLINOIS.

## IMPROVEMENT IN DEVICES FOR DRAWING PULLEYS FROM SHAFTING.

Specification forming part of Letters Patent No. **186,229**, dated January 16, 1877; application filed September 16, 1876.

*To all whom it may concern:*

Be it known that I, HENRY F. CASTERLINE, of Grand Detour, county of Ogle, and State of Illinois, have invented a new and Improved Device for Drawing Pulleys, &c., from Shafting, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side view, and Fig. 2 an end view, of my improved device for drawing pulleys, &c., from shafting.

The invention relates to a simple and effective device for removing pulleys, pinions, and wheels from shafting in a quick manner without injury to the pulley or shaft; and the invention consists of swinging lever-hooks hinged to an adjustable head that works on a jack-screw applied to the end of shaft.

Similar letters of reference indicate corresponding parts.

In the drawing, A represents the swinging hook-levers, that are forked at the outer ends and curved inwardly at the ends, to spring over the pulley or pinion and take firmly hold of the same. The hook-levers A are pivoted

to a traveling screw-head, B, that serves to pull the pulley by a screw-shaft, C. A loose pin, D, is clamped into the socket end of the screw, and may be taken out and exchanged for others of different lengths, so as to bear on the shaft end and fit the lever-hooks to the pulley, admitting the device also to be used as a jack-screw by putting a plate at the center of the screw-head.

A pulley or pinion may, by this device, be removed from the shaft in a minute, so that it is of great advantage in repairing shafting of machinery, &c.

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

The combination of the hooked levers A and traveling head or nut B with the screw C and detachable set or center pin D, as and for the purpose set forth.

HENRY F. CASTERLINE.

Witnesses:

SAMUEL YOUNG,  
C. F. THROOP.