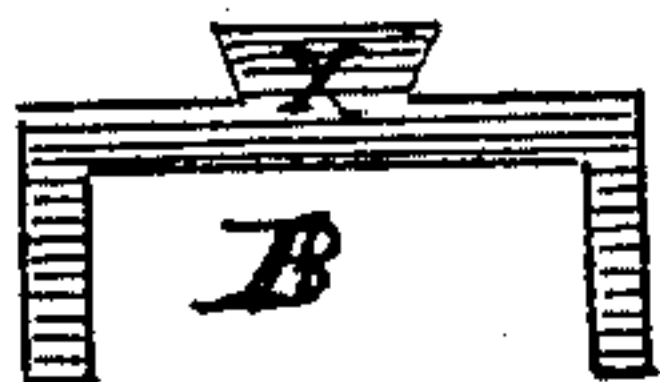
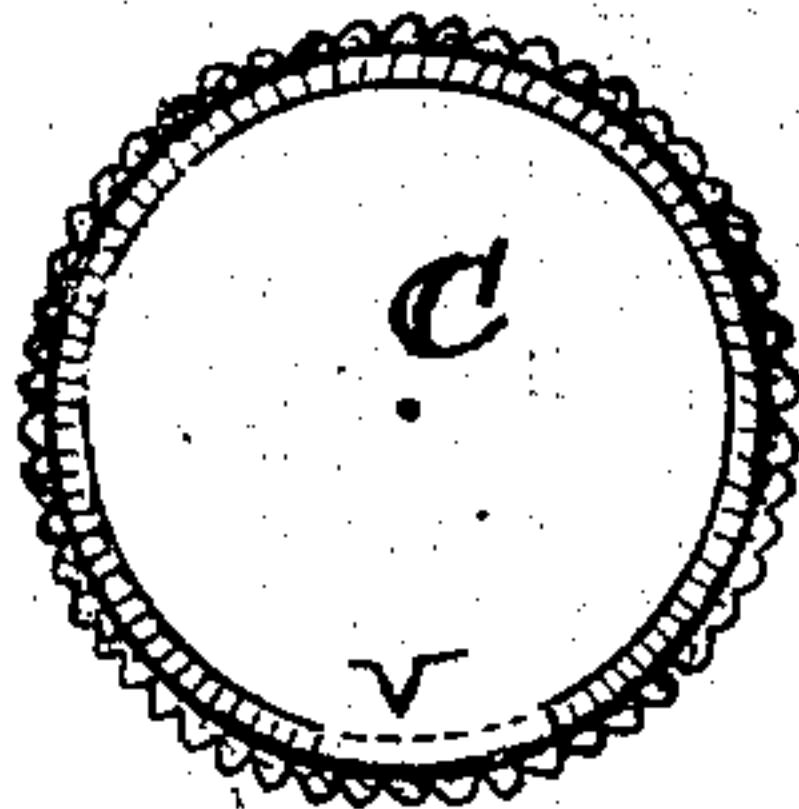
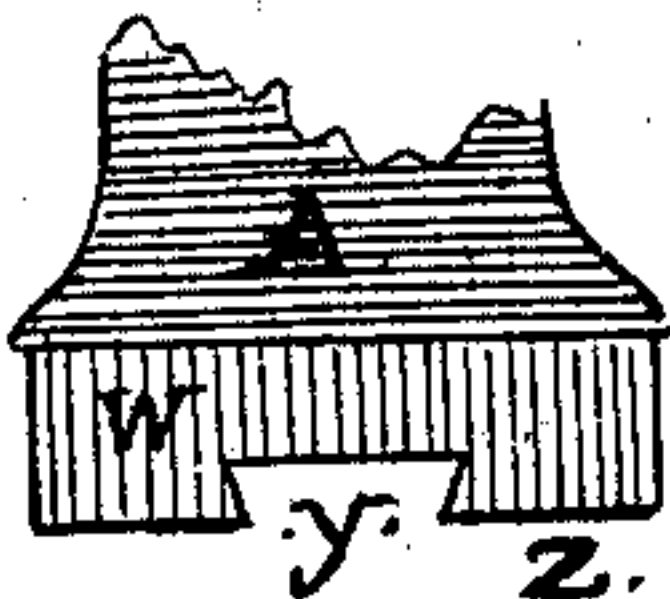
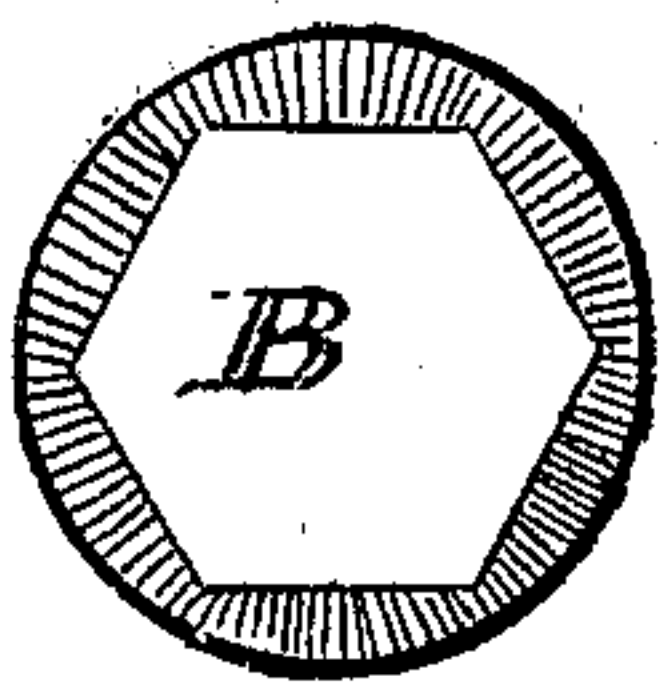
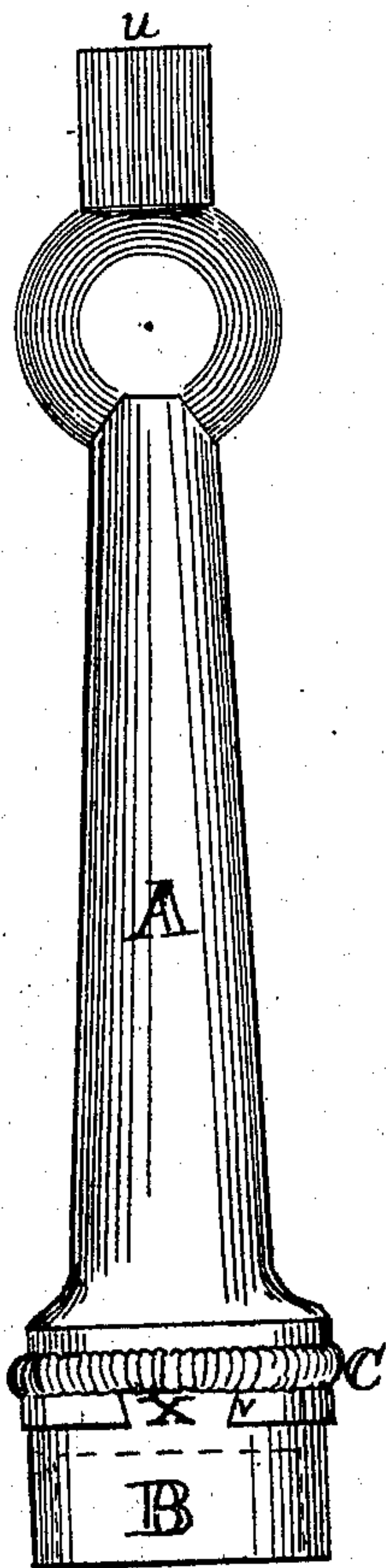


74156

James M. Seymour's.  
Improved Socket Wrench.

PATENTED

FEB 4 1868



Wm Gooding. }  
Sidney H. Edwards } Witness

James M. Seymour

# United States Patent Office.

JAMES M. SEYMOUR, OF NEWARK, NEW JERSEY.

*Letters Patent No. 74,156, dated February 4, 1868.*

## IMPROVEMENT IN SOCKET-WRENCH.

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

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, JAMES M. SEYMOUR, of the city of Newark, in the county of Essex, and State of New Jersey, have invented an Improvement in Socket-Wrenches; and I do hereby proclaim the following to be a full and exact description of the same, reference being herein had to the drawings accompanying this specification as part of the same.

The nature of my improvement consists in the adaptation of a variety of sockets to one holder, bringing broad surfaces together to receive the pressure and steady the sockets.

A handle, A, straight or bent, to suit circumstances, has its lower end, z, made broad, either flat, concave, convex, or fluted, flat being preferred. A groove, y, is made across it to receive a corresponding rib, x, upon the upper surface of the loose socket B, which surface is made to correspond with the surface of A at z. A ring, C, fits and turns easily upon the part w, on the handle A. When the groove y and the rib x are a dove-tail, a corresponding part, v, of the ring C is left open, to allow the rib x to pass into the groove y. By turning the ring, the socket is securely retained on the face of the handle. If a square-edged rib is preferred, the ring can, by slots and pins, be itself held, and at the same time hold the socket to the handle. By a square, u, on the top of a straight handle, another socket-wrench can be used to lengthen it to meet any extraordinary need to reach the bolt-head or nut.

Sockets of varied sizes and forms fitted to the handle can be carried by the workman in his pocket, while otherwise many wrenches are required.

What I claim, and desire to secure, is—

The handle A, with its broad bottom, made substantially as shown.

Also the shifting-socket wrench, as a new article of manufacture.

JAMES M. SEYMOUR.

Witnesses:

W. M. GOODING,

SIDNEY U. EDWARDS.