

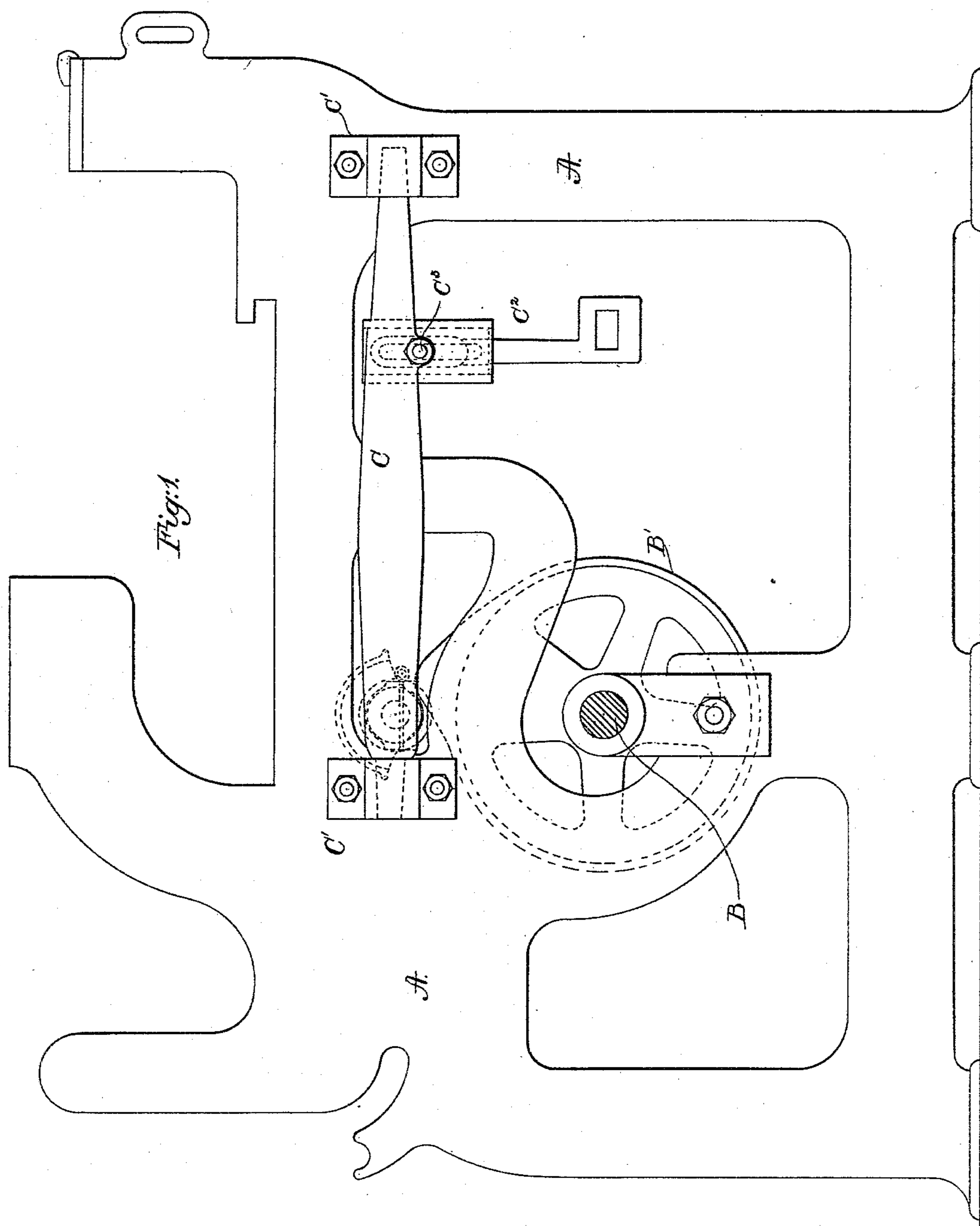
(No Model.)

2 Sheets—Sheet 1.

J. T. MEATS.
PICKING MECHANISM FOR LOOMS.

No. 414,652.

Patented Nov. 5, 1889.



Witnesses:
Edgar A. Godkin
Frank L. Emery

Inventor.
J. T. Meats.
by Leroy & Gregory attys.

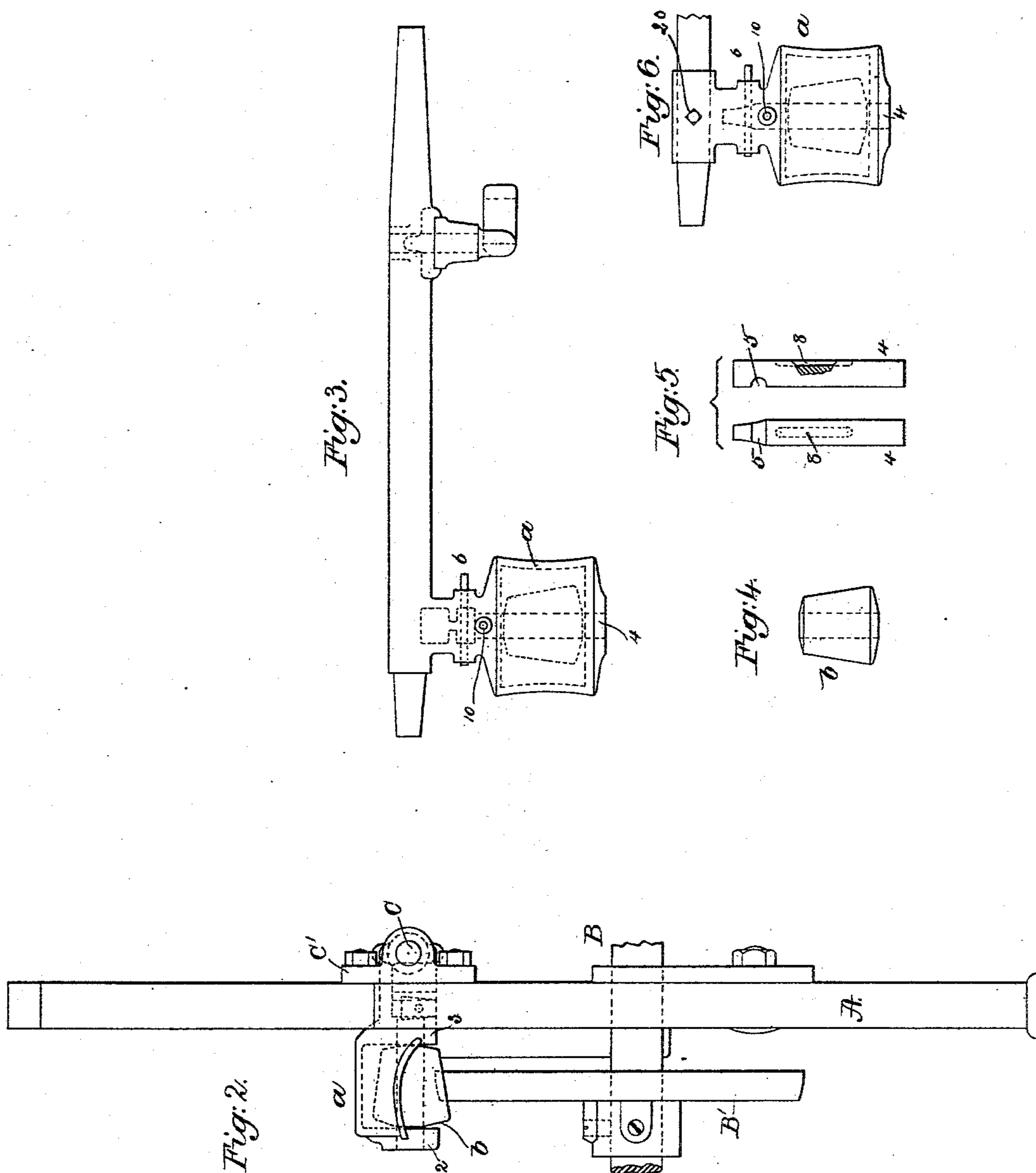
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UNITED STATES PATENT OFFICE.

JOHN T. MEATS, OF TAUNTON, MASSACHUSETTS, ASSIGNOR TO THE MASON MACHINE WORKS, OF SAME PLACE.

PICKING MECHANISM FOR LOOMS.

SPECIFICATION forming part of Letters Patent No. 414,652, dated November 5, 1889.

Application filed August 3, 1889. Serial No. 319,637. (No model.)

To all whom it may concern:

Be it known that I, JOHN T. MEATS, of Taunton, county of Bristol, State of Massachusetts, have invented an Improvement in Picking Mechanism for Looms, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

In this my invention, which has for its object to improve the picking mechanism of looms, I have provided novel means for holding the picking roll or "bowl," as it is called, the shell inclosing the said roll or bowl being in one piece and firmly or rigidly carried by the picker rock-shaft. I have also provided means whereby the stud on which the roll or bowl rotates may be lubricated.

Figure 1, in side elevation, represents part of a loom with my invention added; Fig. 2, a partial elevation from the left of Fig. 1; Fig. 3, an enlarged detail of the picker rock-shaft. Fig. 4 shows the roll detached. Fig. 5 shows the stud detached, and Fig. 6 shows a modification to be described.

The loom side A and the cam-shaft B, having the picking-cam B' thereon, are and may be all of usual construction. The picker rock-shaft C, mounted in bearings C' C', has an attached arm C², made adjustable thereon by a bolt C³ in a slot of the said arm. The arm C² will be connected in usual manner by a strap to any usual picker-stick. The shell a, extended from the picker rock-shaft, is made in one piece, and preferably the said shell is made integral with the said rock-shaft; but

the said shell and its hub made in one piece may be attached firmly and rigidly by a set-screw 20 to the said shaft, as in Fig. 6. The shell has two rigidly-connected bearings 2 3, through which is extended the stud 4, on which is mounted and rotates the roll or bowl b, which, as shown, is extended between the bearings 2 and 3 when one end of the said pin (shown as the inner end provided with a notch 5) receives a locking device 6. (Shown as a pin.) The stud 4 is shown as provided with an oil-chamber, as at 8, (see Fig. 5,) and the oil may be entered therein through the hole 10 to lubricate the stud on which rotates the said roll b.

Making the shell, including the bearings 2 and 3 and the shank of the shell, in one casting adds greatly to the strength, stiffness, and durability of the parts.

I claim—

1. The picker rock-shaft and the one-piece shell and roll, combined with the stud having an oil-chamber, substantially as described.

2. The picker rock-shaft and its attached shell and the roll, combined with the stud 4, having a notch, and with the locking device to hold the stud, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN T. MEATS.

Witnesses:

C. L. HANDFORD,
E. F. WALKER.