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A.S. LOGKREM

Modern Trip Hammer

PIERFONT, SO. DAK.

DIRECTIONS FOR SETTING UP.

First take a block 10x14, about 5 feet long set same into the ground very solid and perpendicular. If necessary, put on a brace on block under ground, set block so that the anvil will measure 31 inches from floor to face of anvil; then fasten bracket E with upper bolt only, run adjusting lever B through bracket E, set up the post A, put in bolts Fig. 8, set post perpendicular both ways when lever B is set in the third notch in bracket E fasten down floor plate solid, set the bracket E so that lever B works freely (not binding); then fasten the bracket onto block with all bolts. Spring Fig. 3 should press hard enough on lever B so that it does not jump cog when striking. (Spring Fig. 3 may be shaped cold if necessary). Fasten bracket, Fig. 4, 15 inches from floor, upper end of bracket Fig. 4 should be even with outside of treadle. Attach coil spring, Fig. 5, at Fig. 6 on handle C and treadle, and place same in the holes that are marked with centers. Tighten the burr Fig. 1 until the hammer has a good, active motion, and stands up away from the anvil well when not in use, being careful not to tighten same up too hard so that the machine works heavy. If at any time hammer head has any play on handle, put in paper packing before wedging.

Where the machine cannot be set on a floor, a block 2x6x2 feet long may be dug into the ground, leaving same level with the surface, and drive one bolt 3/4x2 feet long through each end into the ground. When treadle is held firmly on the floor there should be 3 inches (not less) between the face of anvil and face of hammer. If necessary, the lower coupling on spring Fig. 5 may be adjusted. Face of hammer may be ground off, if necessary, to suit the work.

DIRECTIONS FOR USING.

Always take the hammer down before striking. In this way the work can always be located at the proper place. Stand up close to the treadle. For heavy striking, let hammer up high, then step down quick; for light blows, step faster.

When hammer is not in use, lift on the hammer head with right hand, turning the back towards the treadle, and push same back with the foot until it passes the bracket; then push the hammer out of the way. When taking the hammer back, stand the same way. For setting the machine back on the anvil, lift lever with left hand and push on the hammer head with the right hand. For taking machine forward, lift the lever quickly.

Make all tools and swedges with a shank about 1x1 from anvil hole onto the center of the anvil, so as to place the die under the hammer.