INSTALLATION/TIMING OF THE THROW ARM CRANK

IMPORTANT: NEVER STAND IN FRONT OF A TRAP MACHINE. THE TRAP MACHINE MUST BE TURNED OFF AND THE SPRING RELEASED <u>BEFORE</u> ENTERING THE TRAP HOUSE. NEVER ATTEMPT TO MAKE ANY ADJUSTMNENT WHEN THE THROW ARM IS COCKED.

After allowing the pump to warm up, stand behind the machine and turn it on. When the throw arm comes to a stop on the brake, <u>turn the machine off</u> without releasing the throw arm. Put a rope, or pullcord, around the end of the throw arm and let the throw arm slowly come around to the front of the machine: to the 6 7/8" position shown in diagram 61. (In the case of the old style throw arm, measure 7 3/8", because the rubber is mounted in the middle tube: ½" back of the new style).

Disconnect the uni-band (main spring) from the bearing with a 5/32" allen wrench. If your machine has a coil main spring, then loosen the elastic nut inside of the stand-off collar to unhook the spring.

With the throw arm at the measured position, clamp a vise grip onto the throw plate in front of the throw arm so that the arm cannot move forward from its measured position.

Make a mark at 5 3/8" on the edge of the angle iron (see diagram C15).

Slide the crank onto the bottom of the throw arm shaft. Make the bottom of the crank body flush with the bottom of the shaft. Tighten the crank bolt just enough so that you can rotate the crank without having it fall off. Use a 9/16" wrench (closed ended).
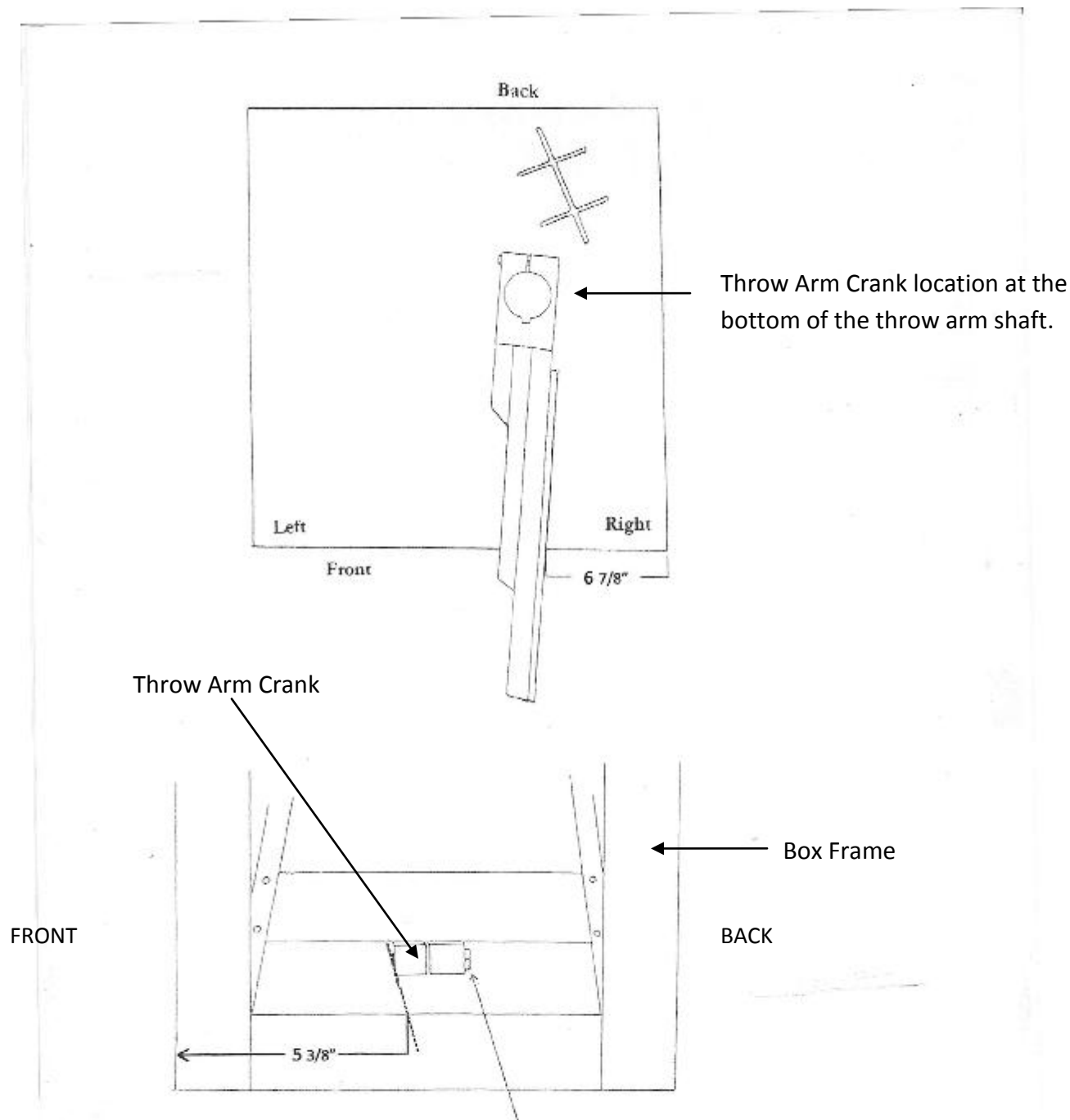
Use a straight - edge to project a line from the crank out across the angle iron. Rotate the crank until the straight - edge bisects your mark at 5 3/8".

Carefully tighten the bolt on the crank while maintaining the 5 3/8" measurement and keeping the throw arm at its measured position.

Make the bolt tight (at 45lbs torque).

Reconnect the main spring

Begin normal operation.

Back

Left   Right

Front   6 7/8"

Throw Arm Crank location at the bottom of the throw arm shaft.

Throw Arm Crank

FRONT   BACK

Box Frame

5 3/8"

DO NOT LOOSEN or REMOVE unless repairing or replacing. Contact Pat-Trap, Inc. for instructions.

Throw Arm Shaft, Bearing and Cog Belt Pulley Wheel not shown.