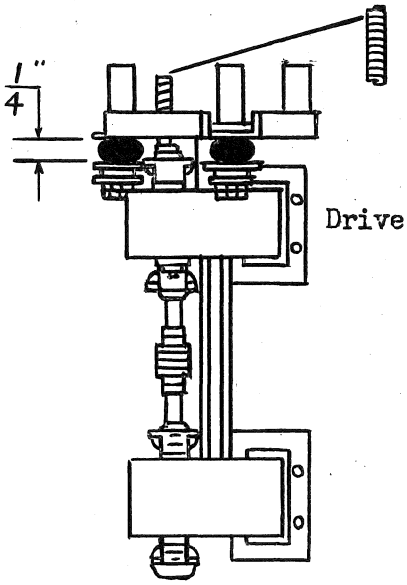
SERVICE SLANTS
YOUR QUESTIONS OR COMMENTS ON "SERVICE SLANTS" ARE WELCOME AT ANY TIME
ISSUED BY WURLITZER SERVICE DEPT. NORTH TONAWANDA, N. Y.

MODEL 1250 ~~TURNTABLE~~ SPEEDS
78 - 45 and 33-1/3 R.P.M.



In changing over from 78 R.P.M. to 45 or 33-1/3 R.P.M., the turntable speed should be checked with a stroboscope or an actual count determined. A variation of one and/or a fraction of an R.P.M. is due to a build up of tolerances in the assembly of motor, drive wheel and the turntable shaft assembly. Three drive pulleys are provided to compensate for this variation.

Part No. 54054 is .025" diameter wire, plain
" " 54143 is .027" " " , black
" " 54055 is .029" " " , red

The diameter of the motor shaft is .131" and the pulley in use may be easily identified by measuring the over-all diameter. The use of a micrometer will indicate shaft diameter plus .050", .054" or .058" denoting pulley in use.

78 R.P.M.

The turntable speed may be increased 2.0 R.P.M. in changing from the .025" to .027" pulley and 2.0 R.P.M. from the .027" to .029" pulley.

45 R.P.M.

An increase or decrease at this speed will be proportionately less. An increase of 1.0 R.P.M. in changing from .025" to .027" and 1.0 from the .027" to .029".

33-1/3 R.P.M.

The increase at this speed will be 0.8 R.P.M. in changing from .025" to .027" and 0.8 from .027" to .029". All increase or decrease figures given above are examples, from readings compiled on a given assembly, they will vary slightly from one assembly to another and therefore should be considered approximates.

As it is necessary to remove the motors assembly to change the pulley, particular attention should be given to the amount of squeeze that prevailed on the rubber mounting washers in order to relocate properly.

(OVER)

The motor assembly should float on the mountings, if too tight a rumble may be transferred from motor to pickup and in case of being too loose, it may permit the motors assembly to rock from its normal perpendicular playing position. The distance from under side of motor mounting plate to the top side of plain steel washer should be approximately 1/4".

Make a visual inspection of the spring that connects the two motors. This spring should <u>not</u> be stretched or compressed so tight as to exert any end pressure on either motor. In playing position, the weight of both rotors should bear only on the lower bearing of the bottom motor. Any end movement of either rotor should permit like movement of rotor in the other motor.

Upon completion of this change-over also check turntable lift arms assembly to make certain that there is no pressure exerted on turntable shaft by the bakelite guide plate when in playing position.