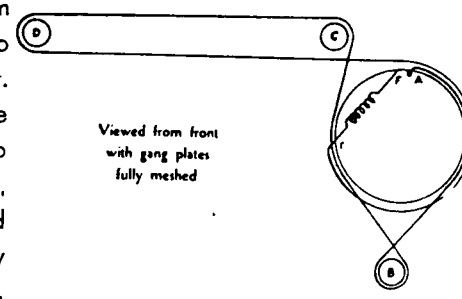
DIAL DRIVE MECHANISMS

DIAL FOR MODELS 402A, 403B, 502C, 502E, L502E, 552A, 552B, 552E AND OTHERS.

To Replace Dial Cord:

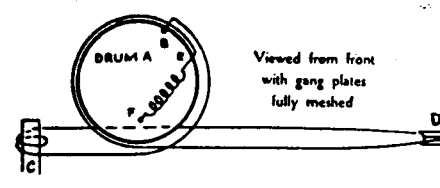


With gang fully meshed ensure that hole A is immediately above gang shaft. Drum boss should be temporarily tightened so that it is approx. $\frac{1}{8}$" from end of shaft. Knot end of cord and pass through hole A, take around drum clockwise for two thirds of a turn, to top of drive pulley B, around one turn anti-clockwise, around drum one third turn clockwise, over pulley C, around pulley D, back to top of drum, around drum three-quarters turn. Pass through hole E and tie to spring. Spring is attached at point F. After attaching the pointer to cord, loosen drum boss screws, and shift drum so that boss is approx. 5/16" from end of gang shaft.

To fit cord to pointer, stretch it over the first hook, under the bottom of the second and over the top of the third. To adjust the pointer to correct position, merely turn the tuning knob to its extreme in one direction and then to the other extreme. Small stops corresponding to the in/out positions of the gang cause the pointer to slip until it reaches its correct position.

DIAL FOR MODEL 404B PERSONAL RECEIVER

To Replace Dial Cord:



With gang plates fully meshed, set drum A so that it is spaced from gang bosses by approx. $\frac{1}{8}$" and with set screw pointing over right hand top corner of gang. Remove screw nearest gang holding "A" battery cradle and swing cradle outwards temporarily. Knot end of cord and pass through hole B, round drum clockwise $\frac{1}{2}$ turn, round drive shaft C, clockwise $1\frac{1}{2}$ times with first turn nearest chassis. Pass cord behind cradle spacer, around pulley D $\frac{1}{2}$ turn clockwise, thence to bottom of drum B, and round drum B clockwise 2/3 turn. Pass through hole E. Attach short spring to hole F and fasten cord to spring so that cord is not loose but also that spring has not commenced to stretch. Now turn knob till gang is half in. Slip the last $\frac{1}{2}$ turn of cord off the drum (end attached to spring). With pointer approximately $\frac{1}{2}$ way along travel, loop the cord over and under and over the projection. Now gently ease the cord on the drum again, using a small lever for the last inch or so of cord. The spring should now have stretched sufficiently to hold cord firmly. Replace "A" battery cradle in position. Adjust pointer position by loosening drum set screw and rotating drum till pointer is set correctly. At the same time see that cord runs in centre of drum by viewing from side. Ensure that cord loop is as far as possible to the rear of the pointer projection.