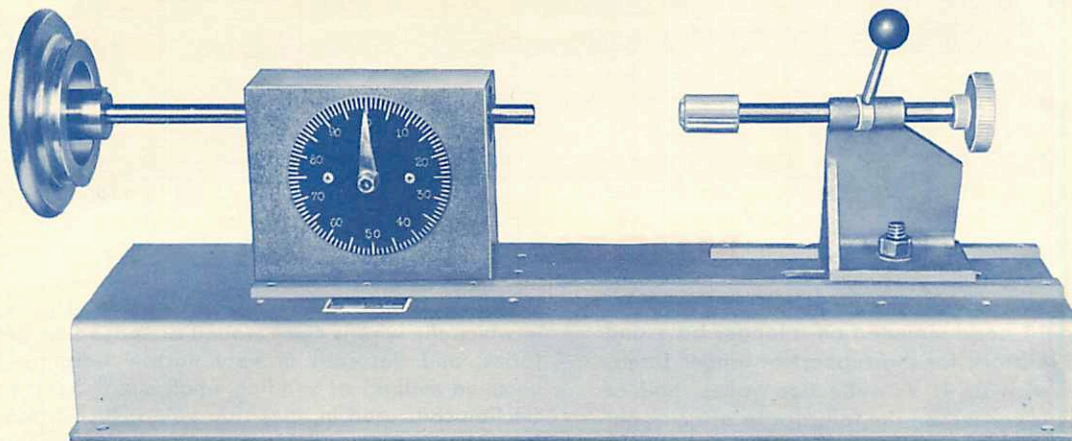
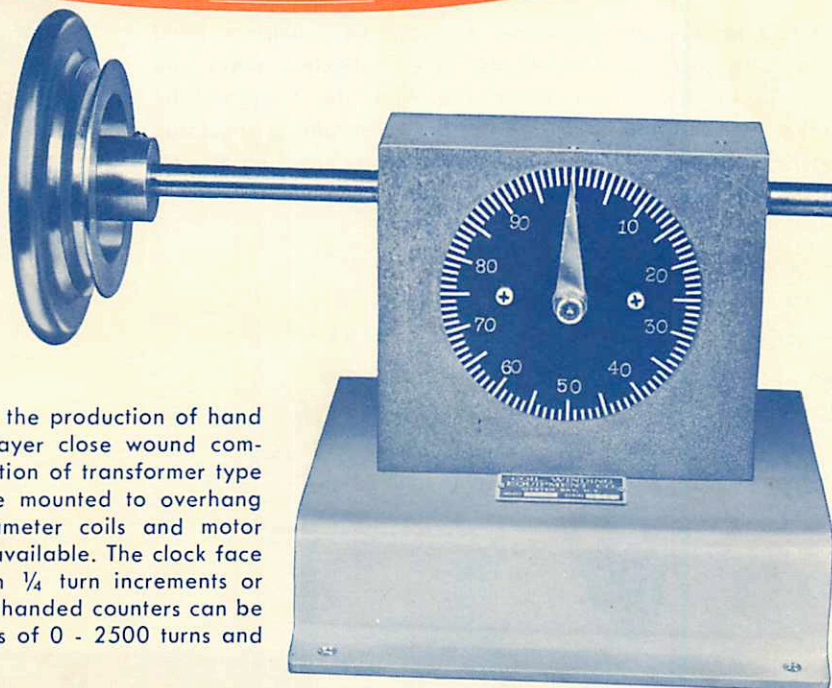


# Hand Winders

## MODEL A

This model is an economical machine for the production of hand wound coils including bobbins and single layer close wound components. It is also suitable for limited production of transformer type windings. When specified, the head will be mounted to overhang the base to accommodate extra large diameter coils and motor armatures.\* Either a pulley or hand crank is available. The clock face counter can be furnished to read 0 - 25 in  $\frac{1}{4}$  turn increments or 0 - 100 in 1 turn increments. In addition, two handed counters can be furnished with these machines with capacities of 0 - 2500 turns and 0 - 10,000 turns.



## MODEL AA

This is the model A head supplied with longer bed and tailstock, permitting the winding of long or flexible coils and the use of more rapid loading devices.

### SPECIFICATIONS

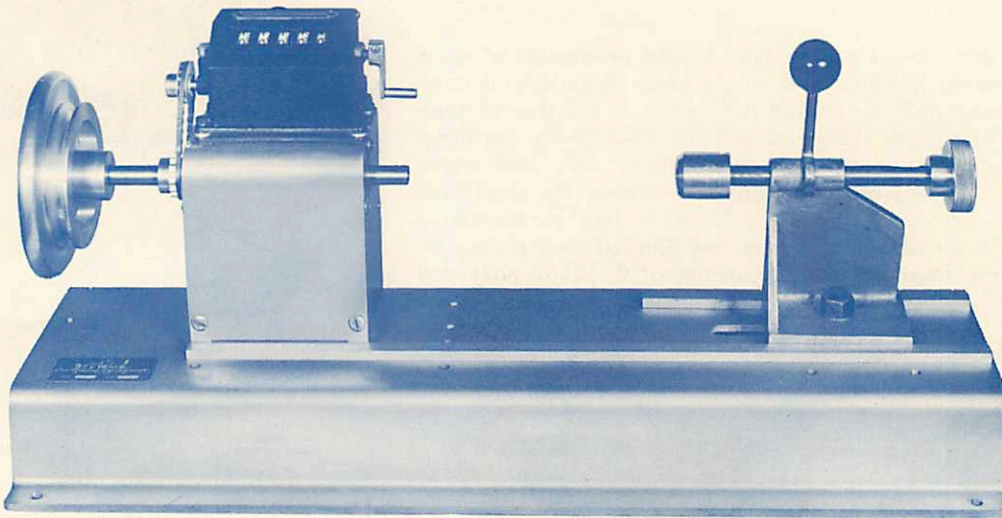
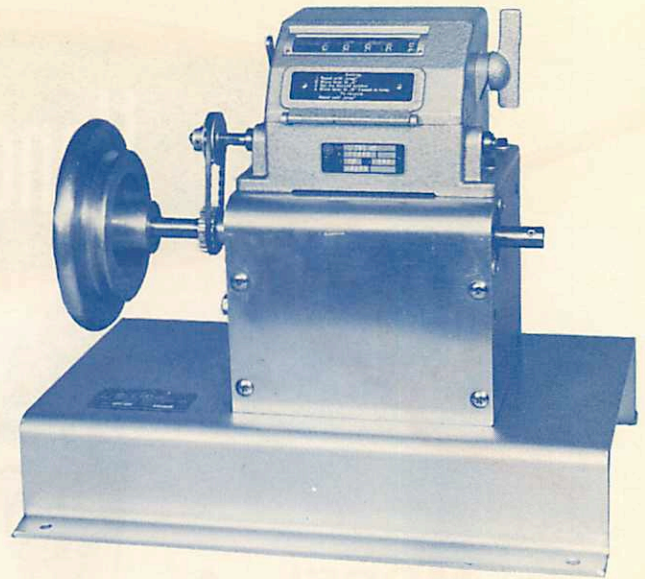
	MODEL A	MODEL AA
Bench Space	8 x 14"	8 x 24"
Height	10"	10"
Maximum coil diameter	8" *	8"





## MODEL L

This is an economical winder for random wound or hand spaced coils, such as motor fields, T. V. deflection yokes and other coils of this nature. When specified, the head will be mounted to overhang the base to accommodate extra large diameter coils and motor armatures.\* A predetermining counter stops the machine when the coil is complete.



## MODEL LL

This is a Model L head mounted on a longer base and equipped with a tailstock for the support of longer forms. For shaped coils such as T. V. deflection yokes, half of the forming block is carried on the tailstock to effect rapid unloading.

This machine is designed for the production of coils of such a nature that the wire may be fed by hand or a stationary guide. Such coils include single layer windings

in which the wire is close wound or spaced by pregrooved forms, and flat coils or very narrow bobbins. This is a common method of winding small motor fields or the deflection coils used in television yokes; such coils can often be wound on shaped forms or shaped after winding. The accurate layer winding of bobbin type coils is also best done with hand spacing, since the operator can compensate for deflection of the bobbin flanges and variations in wire size.

### SPECIFICATIONS

	MODEL L	MODEL LL
Bench Space	8 x 14"	8 x 24"
Height	11"	11"
Maximum coil diameter	8" *	8"