Babcock Wire
Double Deck Accumulating Rod Block Machine

This machine is designed for use in conjunction with a heavy duty wire drawing machine. Its purpose is to permit the production of finer finishing sizes than would normally and conveniently be possible with the conventional wire drawing line. Also it provides a limited degree of wire storage so that in the event of a feed rod tangle it may be stopped for a brief period, to allow the tangle to be safely removed, without stopping the production of wire. This feature is particularly important where continuous annealers are in use.

The machine is a two die unit with the double block having a vertical axis. The upper or accumulator block is slightly conical and has a friction driven take-off pulley mounted on it. The wire collected on the upper block passes over this pulley and then upwards to a pulley separately mounted above the axis of the block. The wire then passes to the wire drawing machine.

A 40 HP D.C. variable speed drive permits the accumulator block to be manually synchronised with the wire drawing machine, any slight speed discrepancies being accommodated by allowing the accumulation to increase or decrease.

If desired, optional equipment can be provided to automatically control the accumulation. This uses electronic counters mounted in the column supporting the overhead pulley. These maintain the upper and lower levels of accumulation by stopping and re-starting the drive.

The die holders are designed for grease type lubrication but, if desired, a tank and pump can be supplied to allow emulsion to be used.

Maximum wire entry:	8.0 mm Copper
	9.5 mm Aluminium
Upper Block Diameter:	762 mm
Lower Block Diameter:	616 mm