

# Tests of Motor and Worm-Gearing.

# PLATE XXXVI.

RATIO OF SPEED  MOTOR  GEAR.	Amp's Req'd. by Motor Running Light.		Dynamometrical Pull.	MOTOR						GEAR						Temp'e. of Oil in Box.		Duration of Run.	Combined Efficiency.
	Amp's. Req'd. by Motor & Gear Running Light.	lbs.		Amps.	Volts.	B.H.P.	% Efficiency of Motor	Rev's. of Motor.	Diar of Motor Pulley	Dynamometrical Pull	Rev's. of Gear.	B.H.P.	% Efficiency of Gear.	Calculated Effy. Unwin's Formula.	Dia of Pulley.	Initial.	Final.		
Double Thread 40 to I	4½	6½	73	20	220	3·98	67	625	11''	lbs 400	15·6	2·38	59·8	79	48''	77°	121°	2 Hrs.	40·3
Double-Thread 30 to I	4½	6½	175	40	220	9·5	80	625	11''	480	20·5	6·0	64	77	78''	62°	76°	2 "	51·6
Triple-Thread 20 to I	4½	6½	220	50	220	12	81	625	11''	550	31·2	10·62	88·5	83'	78''	65°	80°	2 "	71·0
Triple-Thread 20 to I	4½	6½	242	57	220	12	77	625	10''	773	31·25	10·7	89·9	87	56''	60°	104°	HR. MIN.	64