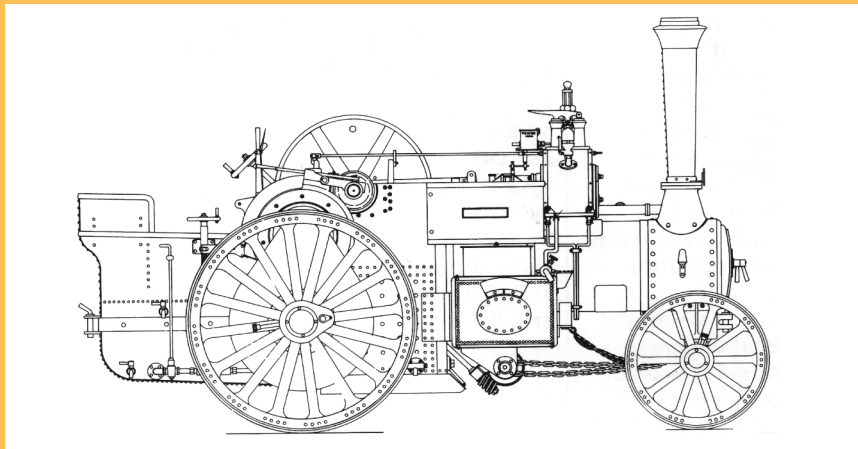


4" Burrell Scale Single Crank Compound



This engine is similar to the single cylinder with two speed gearing and double gear drive. It is fitted with a solid disc flywheel with half spokes cast in the rear and a polished brass ring. A belly tank is added to minimise water stops. Developing about one third more power, it is powerful and economical engine. Rubber tyres can be fitted if desired, which makes it a most attractive miniature. This engine can also be built as an agricultural engine.

General Dimensions

Length	70"
Height	42 1/2"
Track front	20 7/8"
Track rear	27 1/2"
Wheel base	41"
Rear wheel	22" OD x 5 3/4"
Front wheel	15" OD x 3"
Flywheel	18" OD x 2"
Final drive gear	1/2 7/8"
Gearing ratios	1st: 7.6 overall 2nd: 6.3 overall
Total weight	10 cwt approx.
Working pressure	100 PSI
Cylinder bore	3"
Stroke	3 3/4"

Available in Imperial and Metric

Stock No.	Description	Unit	Material
4B5	Fire bars (4 pairs)	set/4	Cast iron
4B6-IMP	Hornplates - Imperial	pair	Steel
4B6-MET	Hornplates - Metric	pair	Steel
4B7	Rolled chimney	each	Steel
4B8BR	Spun brass chimney cap	each	Brass
4B8CU	Spun copper chimney cap	each	Copper
4B9	Chimney base ring	each	Cast iron
4B10	Chimney base	each	Cast iron
4B11	Smoke box tube	each	Steel
4B12	Smoke box door ring	each	Cast iron
4B13	Smoke box door	each	Cast iron
4B14	Small name ring	each	Gunmetal
4B16	Water pick-up	each	Gunmetal
4B17	Top footstep	each	Gunmetal
4B18	Bottom footstep	each	Gunmetal
4B19	Perch bracket	each	Cast iron
4B20	Front fork	each	S G iron
4B21	Front axle	each	S G iron
4B22	Front wheel rims	pair	Steel
4B23	Spacer ring	each	Steel
4B24	Front wheel hubs	pair	Cast iron
4B25	Hub cover plate (outer)	pair	Cast iron
4B26	Hub cover plate (inner)	pair	Cast iron
4B28	Front hub caps	pair	Gunmetal
4B29	Rear wheel rims	pair	Steel
4B30	Rear wheel hubs	pair	Cast iron
4B31	Rear wheel hub name-plate	pair	Cast iron
4B32	Rear hub back-plate	pair	Cast iron
4B34	Rear hub caps	pair	Gunmetal
4B35	Right-hand crank bearing bracket	each	Cast iron
4B36	Left-hand crank bearing bracket	each	Cast iron
4B37	Right-hand crank bearing	each	Gunmetal
4B38	Left-hand crank bearing	each	Gunmetal
4B39	Gear shift bracket	each	Cast iron
4B40	Steering wheel	each	Cast iron
4B41	Top steering bracket	each	Gunmetal
4B46	Brake wheel	each	Cast iron
4B47	Brake bracket	each	Cast iron
4B48	2nd. shaft tube	each	Cast iron
4B49	2nd. shaft tube bearings - 05/345	3"	Bronze
4B50	Axle tube	each	Cast iron
4B51	Axle tube bearing - 05/347	4"	Bronze
4B52	Inner bevel gear	each	Cast iron
4B53	Outer bevel gear/final drive	each	Cast iron
4B54	Compensating centre	each	Cast iron
4B55	1st. gear ring	each	Cast iron
4B56	2nd. gear ring/brake ring	each	Cast iron

Stock No.	Description	Unit	Material
4B57	Left-hand final drive pinion	each	Cast iron
4B58	Left-hand final drive gear	each	Cast iron
4B59	Winding drum	each	Cast iron
4B60	Right-hand final drive gear	each	Cast iron
4B61	Crankshaft	each	S G iron
4B62	Eccentrics	set/3	Cast iron
4B63	Safety valve chimney	pair	Gunmetal
4B65	Big end bearing	each	Gunmetal
4B66	Water pump/gland/top cover	set	Gunmetal
4B71	Blowdown valve	each	Gunmetal
4B73	Steam head	each	Gunmetal
4B81	Gland bushes	set	Gunmetal
4B82	Cylinder name-plate	each	Gunmetal
4B86	Front wheel spokes	set/20	Steel
4B87	Rear wheel spokes	set/32	Steel
4B95	Pickering governor base	each	Gunmetal
4B96	Governor bevel gears	pair	Steel
4B97	Governor balls	set/3	Brass
4B98	Governor spring steel	per 2ft.	Steel
4B99	Governor worm wheel	each	Steel
4B100	Governor worm	each	Bronze
DRG4BCC-IMP	Full set of drawings in Imperial	Set	
DRG4BCC-MET	Full set of drawings in Metric	Set	
4BC15	Large name ring (F.E.)	each	Gunmetal
4BC42	Chain shaft bearing	each	Gunmetal
4BC63	Safety valve spring	each	Steel
4BC68	Regulator bracket - horizontal	each	Gunmetal
4BC69	Disc flywheel	each	Cast iron
4BC70	Flywheel ring	each	Gunmetal
4BC72	Check valve for boiler	each	Gunmetal
4BC73	Check valve for firebox	each	Gunmetal
4BC75	Cylinder block	each	Cast iron
4BC76	H.P. cylinder liner	each	Cast iron
4BC77	L.P. cylinder liner	each	Cast iron
4BC78	Cylinder front cover plate	each	Cast iron
4BC79	Cylinder rear cover plate	each	Cast iron
4BC80	H.P. piston	each	Cast iron
4BC81	L.P. piston	each	Cast iron
4BC82	Crosshead	each	Cast iron
4BC83	H.P. slide valve	each	Gunmetal
4BC84	L.P. slide valve	each	Gunmetal
4BC87	"Compound" name plate	each	Gunmetal
4BC88	Wayshaft bracket	each	Cast iron
4BC89	Rear slide bar bracket	each	Cast iron
4BC93	Bottom steering bracket	each	Cast iron
4BC94	Motion side plate rings	pair	Gunmetal