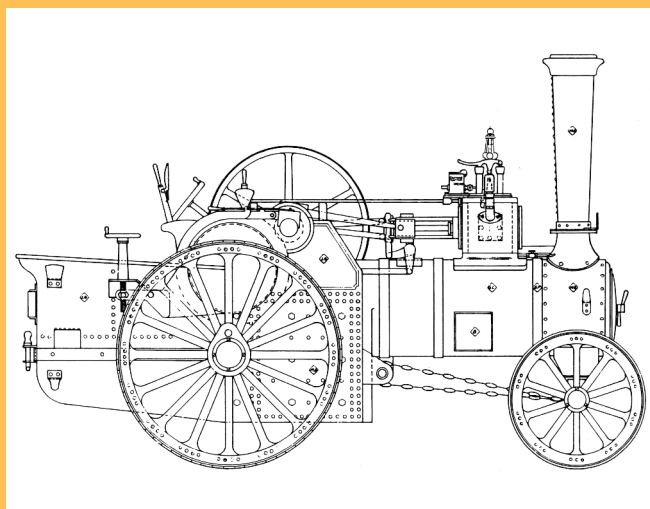


Burrell 7NHP

4½" Scale Agricultural Engine

Stock No.	Description	Unit	Material
DRGWH	Full set of drawings in Imperial	set	
WH502/1	Perch bracket	each	Cast iron
WH502/2	Front towing bracket	each	Cast iron
WH503/1	Front axle pivot fork	each	Cast iron
WH504	Front wheel hubs	pair	Cast iron
WH507	Front wheel hub caps	pair	Gunmetal
WH508	Front wheel rims & steel tyres	pair	Steel
WH509	Front wheel spokes	set/20	Steel
WH510	Front axle	each	S G iron
WH514/1	Fire grate	each	Cast iron
WH517	Smoke box tube	each	Steel
WH517/2	Spacer ring	each	Steel
WH518/1	Smoke box door ring	each	Cast iron
WH519/1	Smoke box door	each	Cast iron
WH519/2	Large name ring	each	Gunmetal
WH519/3	Small name ring	each	Gunmetal
WH520	Chimney base	each	Cast iron
WH521	Chimney base ring	each	Cast iron
WH522BR	Brass chimney cowl	each	Brass
WH522CU	Copper chimney cowl	each	Copper
WH523	Rolled chimney	each	Steel
WH525	Cylinder block	each	Cast iron
WH525/1	Cylinder liner	each	Cast iron
WH525/2	Steam chest cover plate	each	Cast iron
WH525/3	Cylinder top plate	each	Cast iron
WH525/4	Cylinder end plate (rear)	each	Cast iron
WH525/5	Cylinder end plate (front)	each	Cast iron
WH525/7	Cylinder name plate	each	Gunmetal
WH525/9	Whistle mounting block	each	Gunmetal
WH526	Governor base	each	Gunmetal
WH526/1	Governor bevel gears	pair	Steel
WH526/2	Governor balls	set/3	Brass
WH526/3	Governor spring steel	2 ft.	Steel
WH526/4	Governor worm	each	Steel
WH525/5	Governor worm wheel	each	Bronze
WH527/3	Piston rod gland	each	Gunmetal
WH528/1	Gland for steam valve	each	Gunmetal
WH528/2	Gland for regulator valve	pair	Gunmetal
WH529/1	Steam valve	each	Gunmetal
WH529/3	Steam valve spring	each	Steel
WH531	Safety valve chimneys	pair	Gunmetal
WH531/1	Safety valve spring	each	Steel
WH539	Piston blank	each	Cast iron
WH544/1	Wayshaft bracket	each	Cast iron
WH548	Eccentric straps	set/3	Cast iron
WH550/2	Big end bearings	set	Gunmetal
WH551	Crankshaft	each	S G iron
WH553	Flywheel	each	Cast iron
WH555	Hornplates	pair	Steel
WH556/1	L-hand crankshaft bearing housing	each	Cast iron
WH556/2	R-hand crankshaft bearing housing	each	Cast iron
WH557	Crankshaft bearings	pair	Gunmetal
WH559/1	Second shaft bearings	pair	Gunmetal
WH559/2	Rear axle bearings	pair	Gunmetal
09/025	1¾" x ¼" wall 2nd. shaft tube	per/ft.	Steel
09/026	2¼ x ¼" wall axle tube	per/ft.	Steel
WH563/3	Bottom steering shaft bearing	each	Gunmetal
WH565	Steering wheel	each	Cast iron
WH571	Fast gear	each	Cast iron
WH572	Slow gear	each	Cast iron
WH575/1	Final drive / differential housing	each	Cast iron
WH576	Differential bevel "A"	each	Cast iron
WH577	Differential bevel "B"	each	Cast iron
WH580	Rear wheel drive plate	each	Cast iron
WH581/1	Rear wheel hubs	pair	Cast iron
WH582	Inside rear hub cover plates	pair	Cast iron
WH583	Outside rear hub cover plates	pair	Cast iron
WH584	Rear wheel hub caps	pair	Gunmetal
WH585/1	Rear wheel rims	pair	Steel
WH586/1	Rear wheel spokes	set/32	Steel
WH589	Tender side plate	pair	Steel
WH589/3	Top footstep	each	Gunmetal
WH589/4	Bottom footstep	each	Gunmetal
WH591/1	Brake mounting bracket	each	Cast iron
WH592/2	Brake wheel	each	Cast iron
WH597/1	Check valves	pair	Gunmetal
WH598/1	Water pump	each	Gunmetal
WH598/4	Gland	each	Gunmetal
WH599	Whistle base	each	Gunmetal



The Burrell single cylinder engine is based on designs in common use during the early 1900's. It is easy to build and run. It has good facilities available for winching with a relatively large winch drum incorporated into the final drive. Although it has a single drive to the rear axle, it is still capable of pulling loads up to 7,000 kilos over level ground.

General Dimensions

Length	69 3/16"
Height	42 3/16"
Track front	22"
Track rear	24 7/8"
Wheel base	40 3/16"
Rear wheel	24" OD
Front wheel	14/12" OD
Flywheel	17" OD
Final drive gear	15.428"
Total weight	10 cwt approx.
Working pressure	100 PSI
Cylinder bore	2 3/4"
Stroke	3 3/4"

Available in Imperial and Metric dimensions