



WILLIAM COOK



Heritage Rail

Components and systems

The William Cook group designs, manufactures and overhauls components and systems for applications where safety and reliability are critical. Whether public or private sectors, UK or worldwide, William Cook customers all have one thing in common: they cannot afford any risk.

For nearly two centuries, William Cook's core competence has been casting various materials. Today, most of William Cook's components and systems for defence, rail and other industries call for high-specification alloys and super alloys, the casting of which remains a William Cook speciality.

Metal castings always formed a major element of steam locomotive construction, and, in the present day world, where steam locomotive restoration and new build is becoming of growing importance, the skills of the founder are once again being called into play to help create these magnificent machines.





Driving wheels, horn blocks, frame stays, cylinders, blast pipes and superheater headers are just a few of the castings required by a steam locomotive. Using modern CNC pattern making techniques and 3D printing technologies, the William Cook group's modern manufacturing facilities can produce these as single items without exceptional difficulties.

To service this niche market, William Cook has created a special marketing arm which understands the nature of the components involved, their application and function.

William Cook began its association with the heritage rail industry through its heavy involvement in the construction of the A1 Pacific 'Tornado' the first new build in the UK since 'Evening Star' in 1961. Subsequently, William Cook has manufactured a large variety of castings for a large number of steam locomotive projects.

William Cook also provides an extensive bogie and coupler repair and overhaul service, of particular use to the heritage rail operator.

REFERENCES INCLUDE

B17 Steam Locomotive Trust

- Leading wheels
- Axle box
- Cannon box
- Motion lever brackets
- Carriers
- Horn blocks
- Hanger brackets
- Frame Stays

Princess Royal Class Locomotive

- Driving wheels

Class G5 Locomotive

- Driving wheels

P2 Steam Locomotive Trust

- Driving wheels
- Piston crosshead
- Horn blocks
- Safety brackets
- Spring hook brackets
- Cartazzi wheels

London & North Western Railway Heritage Co. Ltd

- Overhaul of 4 BT43 commonwealth bogies
- Drop-head buckeye coupler overhaul
- Re-manufacture of swing hangers and cross beams for commonwealth bogies

Venice Simplon Orient Express

- Axle box overhaul and re-manufacture
- Drop-head buckeye coupler overhaul
- Overhaul of buffers, tailpins and spring hangers

North Yorkshire Moors Railway

- Drop-head buckeye coupler overhaul
- Overhaul of tailpins and spring hangers

Island Trains

- Overhaul of wedgelock couplers for 1938 Tube stock

Railway Preservation Society of Ireland

- Drop-head buckeye coupler overhaul

Great Western Railway Society

- Driving wheels
- Bogie wheels
- Suspension girders

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