

YA1996.2435 Photographic prints showing manufacture of monoblock cylinder for LNER V2 engine

Most images are stamped London & North Eastern Railway, Doncaster, with space for the Drawing Office Photograph No to be written in. Where a photograph number is recorded, it is included in the description below.

Search Engine at the National Railway Museum holds The Doncaster Works Collection of official photographs, c 1897-1867. The **handwritten registers** are ordered chronologically, listing images in numbered sequences. Large numbers of reference prints are available for consultation in the Search Engine Reading Room.

1. Photographic print of a diagrammatic drawing showing centre of piston valves, centre of steam port and centre of cylinder.
2. Photographic print of a diagrammatic drawing showing right hand cylinder, centre of piston valves, centre of outside cylinders and left hand cylinder.
3. Photographic print of a diagrammatic drawing showing centre of piston valves, centre of inside cylinder, inside cylinder, centre of outside cylinder and outside cylinder.
4. Photographic print showing the bottom half of the mould, 2 copies, the second copy marked No.15.
5. Photographic print showing pouring of molten metal into mould about to commence.
6. Photographic print showing commencement of pouring of molten metal into mould.
7. Photographic print showing pouring of molten metal into mould, 2 copies, the first copy with the photograph number 53/11.
8. Photographic print showing pouring of molten metal into mould, with the photograph number 53/12.
9. Photographic print showing pouring of molten metal into mould in progress.
10. Photographic print showing pouring of molten metal into mould in progress.
11. Photographic print showing the mould after pouring complete.
12. Photographic print showing a back view of the rough casting.
13. Photographic print showing drilling for cover studs, 3 copies.
14. Photographic print showing drilling blast pipe studs, 3 copies.
15. Photographic print showing boring outside cylinder.
16. Photographic print showing milling flanges.
17. Photographic print, unlabelled, similar to item 16 but with cast rotated 180 degrees.

18. Photographic print showing milling flanges, different to item 16.
19. Photographic print showing milling back piston valve cover face.
20. Photographic print, unlabelled, showing milling process.
21. Photographic print showing complete cylinder block, front view, 10 copies.
22. Photographic print showing complete cylinder block, back view.
23. Photographic print showing boring out middle cylinder, 2 copies.
24. Photographic print, unlabelled, showing milling process, 2 copies.
25. Photographic print, unlabelled, showing boring out process.
26. Photographic print, unlabelled, showing cylinder block, possibly on a drilling machine, 2 copies.
27. Photographic print, unlabelled, showing cylinder block.
28. Photographic print, unlabelled, possibly showing castings in the mould, 3 copies.
29. Photographic print, photograph number 31/47, complete cylinder block front view with some component parts to be installed.
30. Photographic print, photograph number 31/48, complete cylinder block front view with some component parts to be installed, 2 copies.
31. Photographic print, photograph number 33/61, partially assembled block in workshop, 2 copies.
32. Photographic print, photograph number 33/62, partially assembled block in workshop.
33. Photographic print, photograph number 34/27, incomplete block, possibly front view, 3 copies.
34. Photographic print, photograph number 34/28, incomplete block, possibly back view, 4 copies.
35. Photographic print, 2 copies, first copy labelled "3401 Eng Bantam Cock V4 class", photograph number 55/7.
36. Photographic print, photograph number 55/8, showing cleaned casting front view.
37. Photographic print, photograph number 55/9, showing cleaned casting front view inverted.
38. Photographic print, photograph number 55/10, showing fettling of cleaned casting front view.
39. Photographic print, unlabelled, showing a group of castings.

40. Photographic print, unlabelled, showing an assembled casting.