

Accession List, 2023-353, Papers of William Owen

1. Diazo blueprint drawing by William Owen for William Muir & Co, 1911.
2. Typescript article by William Owen on William Muir & Co headed paper, written in response to an article by Mr Jury relating to Hobbing Prime Number Gears, ca 1910.
3. Diazo whiteprint drawing by William Owen for William Muir & Co, 1911.
4. Diazo whiteprint drawing by William Owen for William Muir & Co, 1911.
5. Typescript lecture by William Owen, given while Head of Research & Development at Craven Bros, 4 December 1952, relating to Gear Hobbing Machines for Turbine Reduction Gearing.
6. Typescript paper by William Owen while working at Craven Bros, 28 June 1944, relating to Undulations in Creep-Cut Marine Turbine Reduction Gearing, with small diazo blueprints attached at the end.
7. Typescript paper by William Owen while working at William Muir & Co relating to Hobbing High Prime Number Spur Gears without Special Mechanism. The article was published in The Engineer in 1916.
8. Green manilla wallet containing:
 - Copy of an article by William Owen from Engineering 23 June 1916, Hobbing High Prime-Number Spur-Gears without Special Mechanism. Print version of item 7 above.
 - Three copies of an article by William Owen from American Machinist 24 August 1907, Calculations Respecting Epicyclic Wheel Trains.
 - Three copies of an article by William Owen from American Machinist, 9 November 1907, The Solution of Bezel-Geared Epicyclic Trains.
 - Tracing of drawing on linen paper of Double Helical Gear Hobbing Machine, signed by W R Owen.
 - File of copy documents issued by the Imperial Japanese Navy, relating to Gear Hobbing Machines. William Owen visited Japan for work, and these documents seem to relate to one such visit. Date 16 October 1924, Japanese regnal year Taisho 13.
9. Envelope of b/w photographic prints:
 - Gear hobbing machine, undated, at William Muir & Co.
 - Unknown machine part, neg ref H850, Craven Bros.
 - Measuring equipment for gear teeth, neg ref 8208, William Muir & Co.
 - Machine tool equipment, including a worm, neg ref 8111, William Muir & Co. (image 9.4)
 - Print mounted on paper backing, machine tool equipment similar to image 9.4 above, no neg ref, William Muir & Co.
 - Image showing measurement of gear teeth, possibly documenting a pattern maker's work, neg ref H698, Craven Bros.
 - Machine tool equipment as for 9.4 and 9.5, neg ref 8112, William Muir & Co.

- Close up image of gear hobbing machine, similar to 9.1 above. Information written on reverse.
- Publicity print "Gears for TSS City of Hull cut at Craven Bros on 12'-0" machine", neg ref H383.

10. Retirement certificate from Craven Bros presented to Willie Owen, signed by colleagues, 31 January 1955.

11. Three school certificates, 23 May 1890, 25 April 1896, 2 May 1896.