

HURREN, LANGMAN & JAMES COLLECTION

Rural Buildings

S252

The engineering partnership of Hurren, Langman and James consisted of Frank Hurren ASASM (1899-1992), William Wilson Langman and Wesley Hughes James ME (Adel), FSASM, MIE Aust, (b1898). "During 1928 Hurren established the first sustained consulting structural engineering practice in Adelaide to meet the small but growing need for more specialised reinforced concrete structural expertise. His practice survived the hard years of the Depression due to [Hurren's] drive and self-motivation. For over twenty years, the practice of Hurren, Langman and James was the pre-eminent consulting structural engineering firm in Adelaide, highly respected for its innovation and the quality of its work" (Stacy 2005 p87). On 10 August 1956, on the retirement of Frank Hurren, the partnership of Hurren, Langman and James was dissolved. James and Langman continued as Langman and James from 1 July 1956.

Frank Hurren studied at the S.A. School of Mines and Industries then worked in Sydney. On his return to Adelaide he worked with both E. Stone and M.S. Stanley, and later, in partnership with Langman and James he designed the structures of many Adelaide buildings, such as Shell House, Elizabeth House, the Bank of N.S.W. and the Savings Bank Building. William (Bill) Langman was Mayor of Burnside 1967-68 and was very active in the Adelaide Rotary Club. Wesley Hughes James studied at the University of Adelaide and became a Junior Assistant Engineer in the Engineer-in-Chief's Department in 1922. He then went to England and America, returning to Adelaide in 1927 where he gained the Degree of Master of Engineering in 1931. James worked with W. Francis before joining with Hurren and Langman, where he designed such structures as the Pt. Augusta and Osborne Power Stations. He was Chairman of the Institution of Engineers (S.A. Division) in 1944 (Cumming and Moxam 1986).

Key references

Cumming, D.A. and Moxham, G. (1986) *They Built South Australia*. Self published, South Australia.

Stacy, Bill. "A mad scramble': Frank Emery Hurren, consulting structural engineer". *Journal of the Historical Society of South Australia*, no.33, 2005: 87-101.

Bill Stacy, 'Hurren, Frank Emery (1899 - 1982)', *Australian Dictionary of Biography*, Volume 17, Melbourne University Press: 563-564.

Collection description

Hurren, Langman and James were a structural engineering firm who worked with many architectural firms in South Australia and interstate. This collection of records came from the Mortlock Library of South Australiana, at the State Library of South Australia as a specialist group of business records. It consists of plans and drawings, calculations for jobs, correspondence, specifications and books. As these records, when accessed by the archivists, had no discernible order, they have been organised into groups related to the functions of the buildings described, then the owner's name. They are a valuable addition to the Architecture Museum because they contain work by architects not previously represented in the collections. Plans are stored in plan file drawers unless designated as 'Box' when they are stored in the archive boxes.

HURREN, LANGMAN & JAMES COLLECTION

This series includes Farms, Farm Outbuildings, Reservoirs, Tanks, Bins, and Mines.

Items in Series Order

<u>Owner</u>	<u>Location</u>	<u>Date/Series</u>
Just, Mr, tank	Myponga	1940 S252/1/1
Booth, Mr Russell, tank	Stirling West	1939 S252/2/1
Unknown, retaining wall	Loxton	1947 S252/3/1
Unknown, bins	Stenhouse Bay	n.d. S252/4/1
Mount Bold Reservoir, valve chamber	Mount Bold	n.d. S252/5/1
Baker, Mr, tank	Mount lofty	n.d. S252/6/1
Claridge, P R, tank	Unknown	n.d. S252/7/1
Martin, C H, pantry	Glencoola	n.d. S252/8/1
Encounter Bay, Tank	Encounter Bay	n.d. S252/9/1
Murrayville, tank	Murrayville	n.d. S252/10/1
Darlington, tank	Darlington	n.d. S252/11/1
Kimba, tank	Kimba	1937 S252/12/1
Cobdogla Irrigation Area	McIntosh Division	n.d. S252/13/1-
Bird in Hand Mine		n.d. S252/14/1

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SERIES NO	DESCRIPTION	DATE	PERSONNEL
S252/1/1	10,000 <u>tank</u> at Myponga for Mr Just. Design & calculations for stand of tank. Marked 21 (40) Box	1940	Hurren, Langman & James
S252/2/1	Concrete <u>tank</u> at Stirling West, Mount Lofty for Mr Russell Booth. Calculations for roof and steel reinforcement. Marked 85 (39) Box	Sept/Oct 1939	McMichael & ?, architects. Hurren Langman & James
S252/3/1	<u>Retaining wall</u> near garage at Loxton. Calculations. Marked 76(47). Box	1947	Claridge, Hassell & McConnell, architects. Hurren Langman & James
S252/4/1	<u>Bins</u> for storing Gypsum at Stenhouse Bay. Calculations, and sketches. Marked 7(2). Box	n.d.	Hurren Langman & James.
S252/5/1	Calculations for <u>Mount Bold Reservoir</u> valve chamber. Marked 17(2). Box	n.d.	Hurren Langman & James
S252/6/1-4	Calculations for Mr J.C. Baker's <u>overhead water tank</u> at <u>Mount Lofty</u> . Plans, sections, Marked 22(1)	1934-1938	Hurren Langman & James. L Hodgson, tank builder.
S252/7/1	Calculations for underground <u>tank</u> of about 10,000 gallons of water. Marked 14(2). Box.	n.d.	Hurren Langman & James
S252/8/1	Calculations for addition of pantry for <u>C H Martin</u> at <u>Glencoola</u> . Not marked. Box.	n.d.	Hurren Langman & James
S252/9/1	Calculations for concrete <u>tank</u> at <u>Encounter Bay</u> . Not marked. Box.	n.d.	Hurren Langman & James
S252/10/1	Calculations for concrete <u>tank</u> at <u>Murrayville</u> . Not marked. Box.	n.d.	Hurren Langman & James
S252/11/1	Calculations for tank at <u>Darlington</u> . Not marked. Box	n.d.	Hurren Langman & James
S252/12/1	Calculations and quantities for 1 million gallon tank at <u>Kimba</u> (water supply). Has list of tenderers. Marked 94 (37) Box	1937	Engineering & Water Supply Dept, architects. Hurren Langman & James

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S252/13/1	<u>Cobdogla Irrigation area, Division McIntosh</u> . Overland Corner. Plan showing landholders in area. Marked Pensioner Advancement League. Ozalid. Draw	n.d.	Engineering & Water Supply Dept, architects. Hurren Langman & James
S252/13/2	<u>Cobdogla Irrigation area, Division McIntosh</u> . Overland Corner. Plan showing proposed foreshore reserve and recently surveyed areas. Marked Pensioner Advancement League. Ozalid. Draw	n.d.	Engineering & Water Supply Dept, architects. Hurren Langman & James
S252/13/3	<u>Cobdogla Irrigation area, Division McIntosh</u> . Overland Corner. Lake Bonney foreshore with improvements and location of proposed reserve. Marked Pensioner Advancement League. Ozalid. Draw	1971	Engineering & Water Supply Dept, architects. Hurren Langman & James
S252/14/1	<u>Bird In Hand Mine</u> Calculations for Head frame. Not marked Box	n.d.	Hurren Langman & James
S252/14/2	<u>Bird in Hand Mine</u> Pencil on trace. Not titled. Reinforced concrete for top of mine shaft? Draw.	n.d.	Hurren Langman & James
S252/14/3	<u>Bird in Hand Mine</u> Pencil on cartridge paper. Not titled. Sketch plan with calculations of mine head. Draw.	n.d.	Hurren Langman & James
S252/14/4	<u>Bird in Hand Mine</u> Pencil on cartridge paper. Not titled. Sketch plan with heights of mine head. Draw.	n.d.	Hurren Langman & James
S252/14/5	<u>Bird in Hand Mine</u> Pencil on cartridge paper. Not titled. Sketch plan with calculations of reinforcement to mine head. Draw.	n.d.	Hurren Langman & James