

3 - 2 Ton Derrick Cranes - Type 1888
(Diagram 1)

18'0 Max above truck
24
Not suitable for power

Manual Operation

<u>Location</u>	<u>Capacity</u>	<u>Location</u>	<u>Capacity</u>
Berrinoollock	3 tons	Millimur	2 tons
Beulah	3 "	Macorna	2 "
Boort	3 "	Melton	2 "
Brim	3 "	Miran	2 "
Cape Cope	2 "	Mitiamo	2 "
Gobden	3 "	Mortlake	3 "
Dunkeld	2 "	Penshurst	2 "
Eaglehawk	3 "	Rainbow	3 "
Foster	2 "	Serviceton	2 "
Goroke	2 "	Sheephills	3 "
Kariva	2 "	Scmerville	2 "
Kooloonong	3 "	Underbool	3 "
Lake Boga	2 "	Westmere	3 "
Total - 26 cranes			

6 - 4 Ton Derrick Cranes - Type 1889
(Diagram 2)

Powered by tractor only
Suitable
Standard design

Manual Operation

15'9" above truck

<u>Location</u>	<u>Capacity</u>	<u>Location</u>	<u>Capacity</u>
Alexandra	6 tons	Azarat	6 tons
Arden Street	6 "	Balmoral	6 "
Bacchus Marsh	6 "	Bairnsdale ✓	6 "
Ballan	6 "	Bairnsald	6 "
Barwon	6 "	Birchip	6 "
Bright	6 "	Camperdown ✓	6 "
Carisbrook	6 "	Gasterton	6 "
Cobram	6 "	Cohuna	4 "
Coleraine	6 "	Cressy	6 "
Cressy	6 "	Creswick	6 "
Culgea	4 "	Collins Siding (Moe)	6 "
Daylesford	6 "	Dartmoor	6 "
Dimboola ✓	6 "	Dockie	6 "
Drouin	6 "	Elmore	6 "
Fern Hill	6 "	Flemington Show Grounds	6 "

add C'maine for recommended & town

6 - 4 Ton Derrick Cranes - Type 1889, Contd.

<u>Location</u>	<u>Capacity</u>	<u>Location</u>	<u>Capacity</u>
Glengarry	6 tons	Glenorchy	6 tons
Gunbower	6 "	Hamilton ✓	6 "
Harcourt	6 "	Heathcote	6 "
Haywood	6 "	Hopetoun	6 "
Horsham	6 " ✓	Jeparit	6 "
Kerang	6 "	Kilmore	6 "
Kingston	4 "	Kerong Vale	6 "
Korumburra	6 "	Kyabram	4 "
Kyneton	6 "	Leongatha	6 "
Lethbridge (Quarry Siding)	6 "	Lilydale	6 "
Lindanow	6 "	Londrigan	6 "
Maffra	6 "	Malden	4 "
Manangatang	6 "	Mathoura	6 "
Mildura River Siding	1 1/2 "	Mirboo North	4 "
Moe	6 "	Mooreopna	4 "
Morwell	6 " ✓	Murchison East	6 "
Murrayville	6 "	Myrtleford	6 "
Nagambie	4 "	Nathalia	5 "
Newport	6 "	Nhill	6 "
North Carlton	6 "	Numurkah	4 "
Ouyen	6 "	Picola	6 "
Port Fairy	6 "	Pyramid	4 "
Pakenham	6 "	Portland North	6 "
Quambatook	6 "	Redcliffs	6 "
Rosedale	6 "	Rupanyup	4 "
Rushworth	4 "	Sale	6 "
Sale Store Siding	6 "	Sea Lake	4 "
Seymour	6 "	Shepparton	6 "
St. Arnaud	6 "	Stratford	6 "
Swan Hill	6 "	Tallangatta	6 "
Tatura	4 "	Terang	6 "
Toomawai	4 "	Toolamba	4 "
Toora	6 "	Traralgon ✓	6 " X
Trentham	6 "	Tungamah	4 "

10-12-55 marked for correction

6 - 4 ton Derrick Cranes - Type 1889, Contd.

Manual Operation

<u>Location</u>	<u>Capacity</u>	<u>Location</u>	<u>Capacity</u>
Timboon	6 tons	Ultima	6 tons
Wahgunyah	6 "	Wangaratta	6 " ✓
Warburton	6 "	Warburton (La La siding)	6 "
Warracknabeal	4 " ✓	Warragul	6 " ✓
Warrnambool	6 " ✓	Watcham	6 "
Wedderburn	4 "	Werribee	6 "
Willaura	6 "	Woomelang	6 "
Wonthaggi	6 "	Yackandandah	6 "
Yarram	6 "	Yarrawonga	4 "
Yea	5 "	Yea	6 "

Total - 116 cranes (Manual)

Power Operation
Converted to Electric Drive

Ararat	6 tons ✓	Alexandra	6 tons
Benalla	6 "	Bendigo	6 "
Box Hill	6 "	Bruthen	6 "
Bell	6 "	Coburg	6 "
Dandenong	6 " X	Eurea	6 "
Healesville	6 "	Healesville	6 "
Mansfield	6 "	Mildura	6 " ✓
Noojee	6 "	Noojee	6 "
Noojee (Goodwood Siding)	6 "	Noojee (Goodwood Siding)	6 "
Oakleigh (Council Yard)	6 "	Ovens (private)	6 "
Toorak	6 "	West Footscray Goods	6 "
Windsor	6 "		

Converted to Engine Drive

Cudgewa	6 tons	Dean Marsh	6 tons
Forrest	6 "	Hayfield	6 "
Orbost	6 "	Orbost	6 "
Rokeby	6 "	Wesburn	6 "
Yarra Junction	6 "	Yarra Junction	6 "

33 cranes (power)

Total - 149 cranes

10/11/55

10 ton Derrick Cranes - Type 1888 - (Diagram 3) 16'-9" above truck top

Manual Operation

<u>Location</u>	<u>Capacity</u>	<i>Capacity suitable but 2 cranes very cumbersome</i>
Rutherglen	6 tons (Limit)	

Power Operation

Nowa Nowa	Engine 10 tons
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Total - 2 cranes

2 ton Platform Jib Cranes - Type 1874 - (Diagram 4) 6'-1" above truck top

Manual Operation

<u>Location</u>	<u>Capacity</u>	<u>Location</u>	<u>Capacity</u>
Annuello	2 tons	Beaufort	2 tons <i>Most urgent</i>
Goornong	2 "	Natimuk	2 "
Talbot	2 "		

Total - 5 cranes

2½ ton Platform Jib Cranes - VR Type 1924 - (Diagram 5) 8'-1" above truck top *No hope of powerising
or increasing capacity*

Manual Operation

<u>Location</u>	<u>Capacity</u>	<u>Location</u>	<u>Capacity</u>
Bairnsdale	2½ tons	Bealiba	2½ tons
Chillingollah	2½ "	Colbinabbin	2½ "
Cudgewa	2½ "	Dimboola	2½ "
Frankston	2½ "	Horsham	2½ "
Koo-Wee-Rup	2½ "	Leibert	2½ "
Marnoo	2½ "	Merbein	2½ "
Minyip	2½ "	Mernington	2½ "
Moulamein	2½ "	Murrabit	2½ "
Netherby	2½ "	Nyah West	2½ "
Patchewollock	2½ "	Stangil	2½ "
Robinvale	2½ "	Sale	2½ "
Stanhope	2½ "	Stony Point	2½ "
Sunshine	2½ "	Yaapeet	2½ "
Yanso	2½ "		

Total - 27 cranes

3 ton Jib Cranes - Type 1862 (Diagram 6) *7-11" x 6000 truck top*
No Hope - Cl. base

Manual Operation

<u>Location</u>	<u>Capacity</u>	<u>Location</u>	<u>Capacity</u>
Gisborne	3 tons	Macedon	3 tons
Meredith	3 "	Shelbourne	3 "
<u>Total - 4 cranes</u>			

5 - 3 ton Jib Cranes "Britannia" type 1881 - (Diagram 7) *Very suitable for*
11-6 with G block } above truck top power - hoist only
17-6 " Single rope

Manual Operation

<u>Location</u>	<u>Capacity</u>	<u>Location</u>	<u>Capacity</u>
Charlton	4 tons	Deniliquin	5 tons
Donald	4 "	Kerang	4 "
Murtoa	3 "	Portland	2 "
Queenscliff	3 "	Wycheproof	3 "

8 Cranes (manual)

Converted to Electric Drive

Bendigo	4 tons	Celac	3 tons
Hamilton	4 "	Horsham	3 "
Mildura	4 "	Shepparton	3 "
Warrnambool	4 "		

7 Cranes (Electric)

Total - 15 cranes
 X

5 - 3 ton Jib Cranes "Bridgewater" type 1875 - (Diagram 8) *5-9 G block*
7-3 - single *No Hope*

Manual Operation

<u>Location</u>	<u>Capacity</u>	<u>Location</u>	<u>Capacity</u>
Avoca	4 tons	Beechworth	3 tons
Benalla	4 "	Bridgewater	3 "
Broadford	4 "	Castlemaine	5 " ?
Clunes	5 "	Dunolly	5 "
Echuca	5 "	Golden Square	5 "
Inglewood	5 "	Malmsbury	3 "
Maryborough	5 "	Newstead	4 "
Rochester	5 "	Seymour	3 "
Tallaroek	2 "	Violet Town	4 "
Wedonga	5 "	* Stawell	4 "

* (Originally 10 tons)
 This type of crane not suitable for converting to electric power operation

Total - 20 cranes

5 - 5 ton Jib Crane - Type as per Diagram 9

5-0 Max

Manual Operation

<u>Location</u>	<u>Capacity</u>
Elphinstone	5 tons

No Hope

Total - 1 Crane

5 ton Jib Crane - Type 1902 - (Diagram 10)

Converted to Electric Drive

8-0 Max

<u>Location</u>	<u>Capacity</u>
Ballarat	5 tons
Ballarat	5 "

No Hope

Total - 2 cranes

10 - 7½ ton Jib Cranes, Type 1886 - (Diagram 11)

10-6 Max

Manual Operation

<u>Location</u>	<u>Capacity</u>	<u>Location</u>	<u>Capacity</u>
Ballarat East	8 tons	Bendigo	10 tons
Castlemaine	9 " ?	Harcourt	10 "
Woodend	7½ "		

Total - 5 cranes

5 ton Bridge Crane, Type 1927 - (Diagram 13)

12-3 Max

Manual Operation

<u>Location</u>	<u>Capacity</u>
Camberwell	5 tons
Colac	5 "
Upper Ferntree Gully	5½ "

Total - 3 cranes

In addition to the cranes previously listed the following (21) cranes are installed at the locations indicated.

Electrically Operated

Melbourne Yard	1 No. 30 ton gantry crane
" "	2 " 15 " " "
" "	2 " 4 " jib cranes (Diagram 7)
" "	7 " 3 " jib cranes " 7
Ballarat	1 No. 15 ton jib crane
Geelong	1 " 15 " " "
Graysan (Port Melbourne)	1 No. 15 ton gantry crane
Montague Shipping Shed	1 No. 5 " portal crane
" " "	1 " 5 " jib crane
Dynon	2 No. 8 ton transporters
Heyfield	1 No. 10 ton gantry crane
Mee	1 " 10 ton gantry crane.

TOTAL number of units listed - 280

VICTORIAN RAILWAYS

*File Mechanical
Handling*

Traffic Branch (65),
23rd April, 1953. 25

Memorandum:

Further to its submission of 30th ultimo the Committee considers that on current indications the order of installation of the 14 No. 8-ton derrick cranes should be:-

Bairnsdale	Shepparton
Traralgon	Horsham
Rutherglen	Warragul
Colac	Echuca
Swan Hill	Warrnambool
Morwell	Wangaratta
Hamilton	Castlemaine

The locations, in order of existing requirement, where the 10 No. 5-ton capacity post cranes are considered to be necessary are:-

Mildura
Maryborough
Deniliquin
Sale
Wodonga
Kerang
Seymour
Warracknabeal
Beaufort
Charlton

It will be observed that the Committee now recommends the provision of an 8-ton derrick crane at Colac and that a 5-ton post type be installed at Warracknabeal.

Gantry Cranes:

At present the only location at which a gantry crane could be justified is Orbest, but the absence of electric power supply precludes the installation of this type of crane.

The State Electricity Commission indicated there was no prospect of supply being effected for at least three years.

As no manufacturer of derrick or post type of crane is known in the Commonwealth it is considered likely it will be necessary to obtain supply from overseas sources, and, consequently it is not possible to forecast availability at this juncture.

Assuming that supply will be piecemeal installation could be effected within six weeks of arrival of each unit.

Asst. Chief Traffic Manager.

Engineer of Machinery & Water Supply.

Actg. Sup't. Loco Maintenance.

CHIEF MECHANICAL ENGINEER.