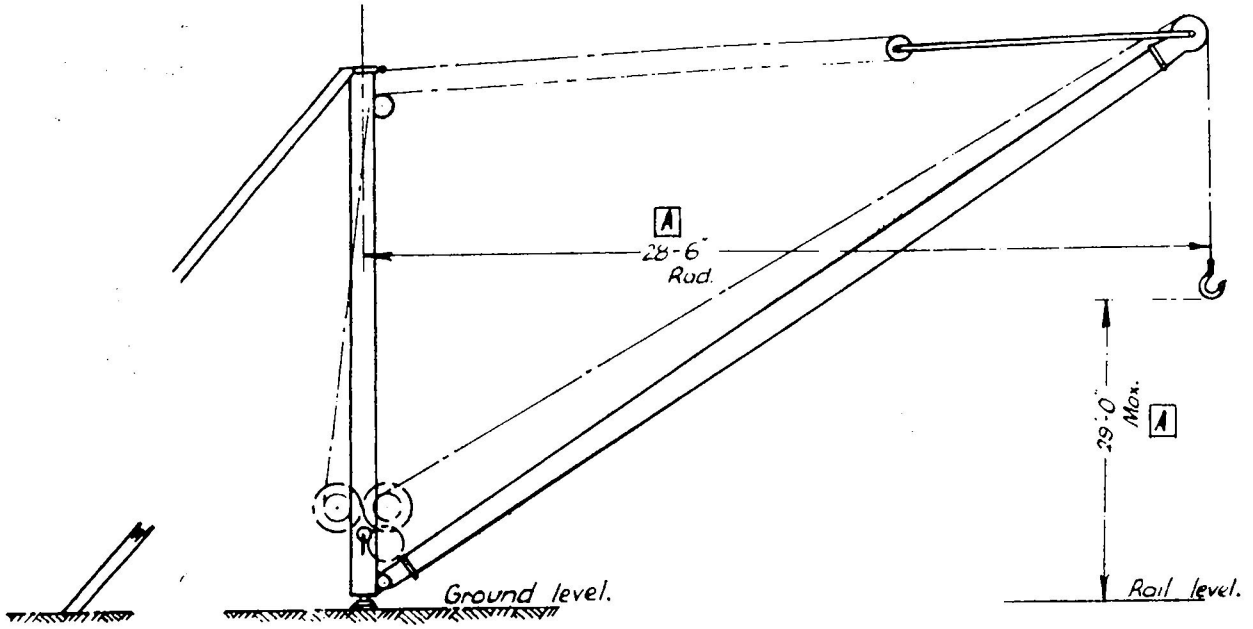
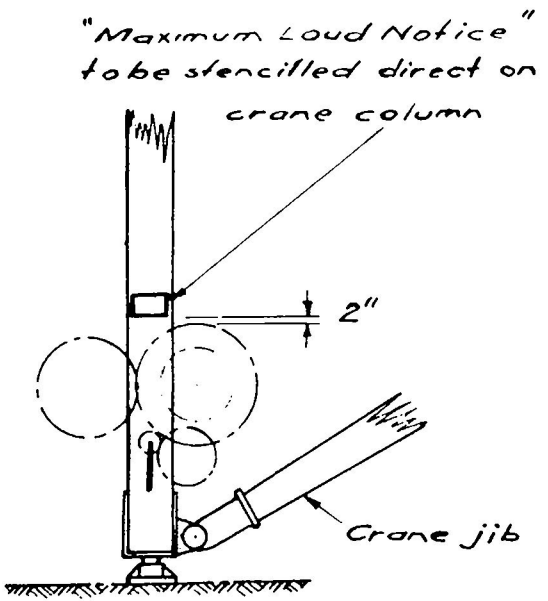
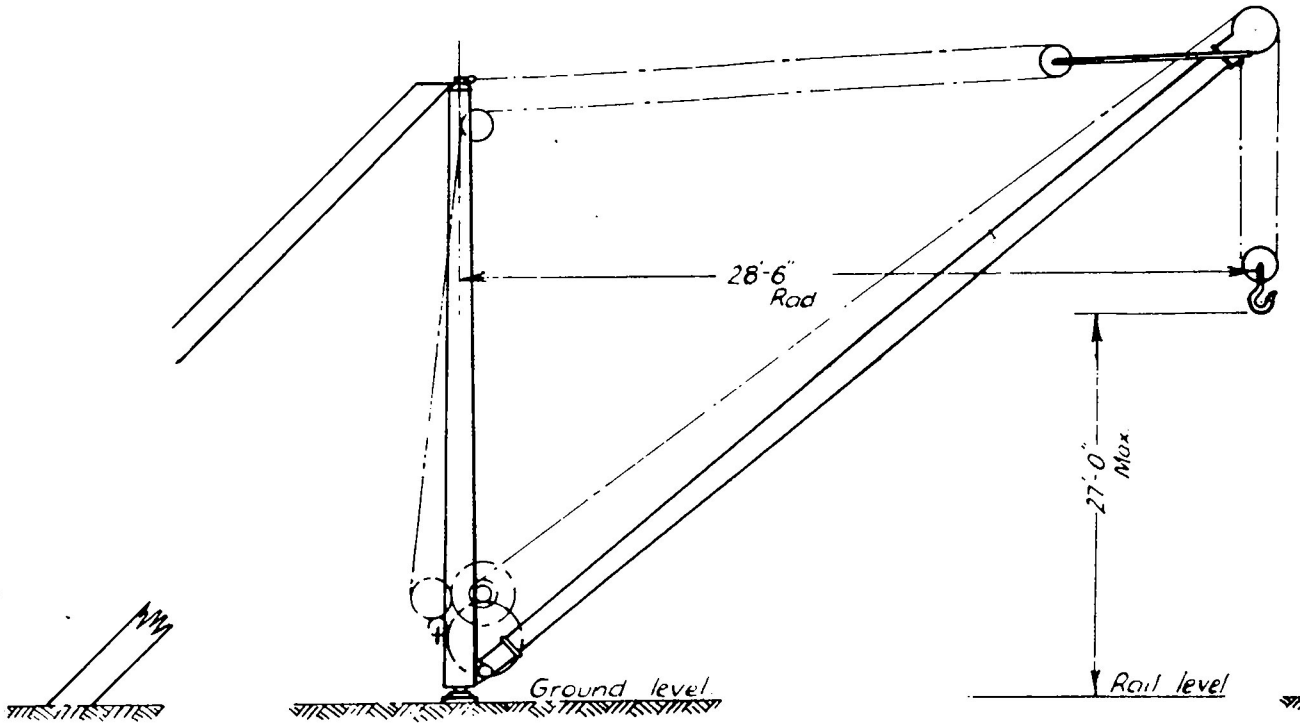
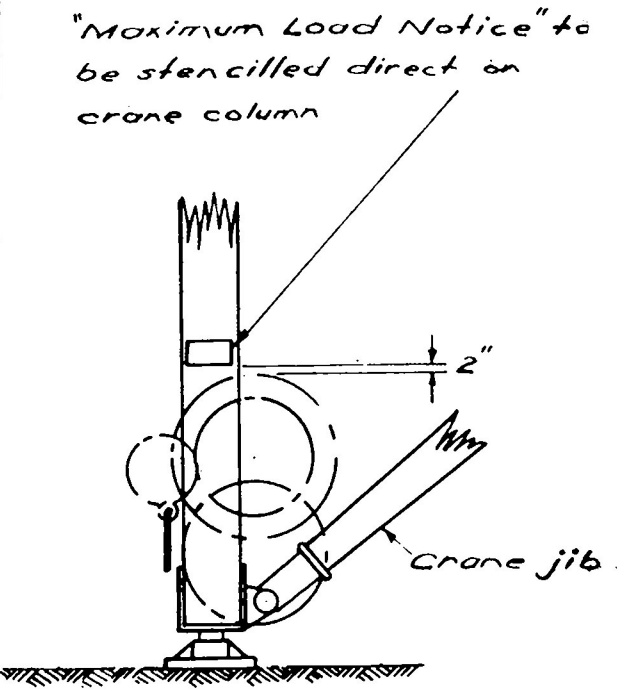




2 to 3 TON TYPE DERRICK CRANE

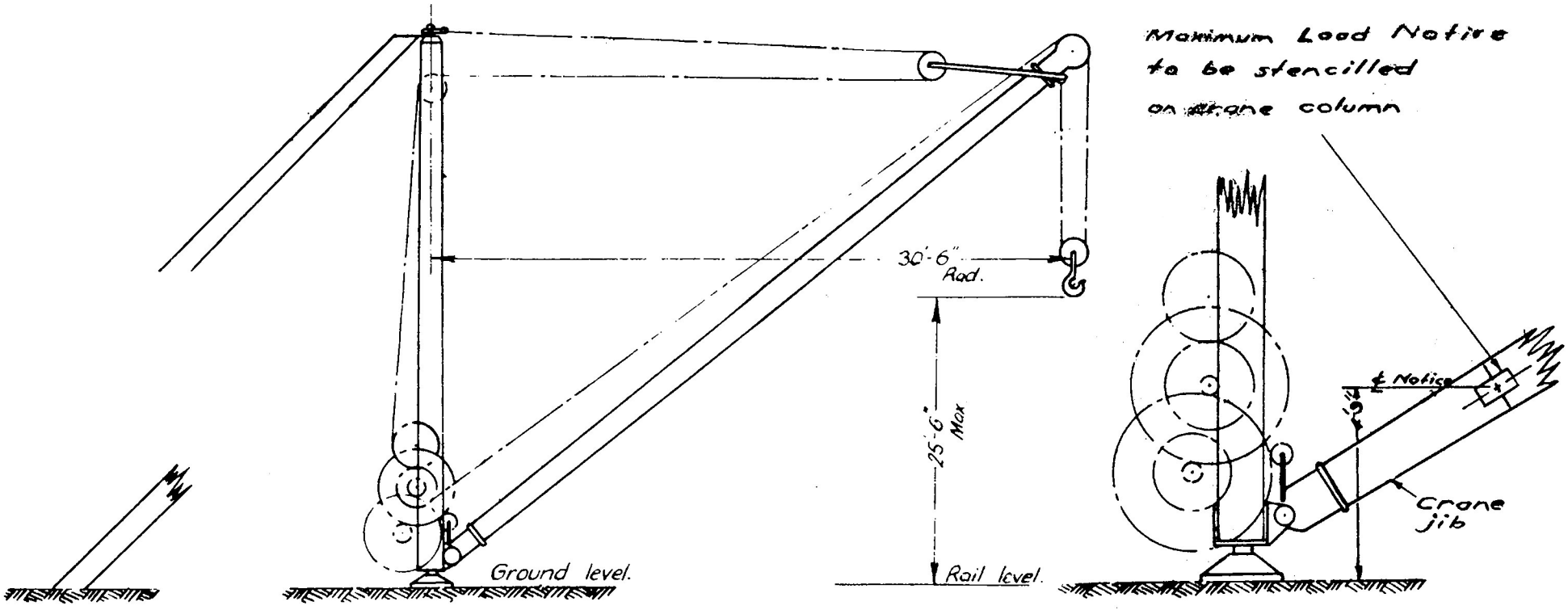
Plan N° 441.44 (1)





4 to 6 TON TYPE DERRICK CRANE

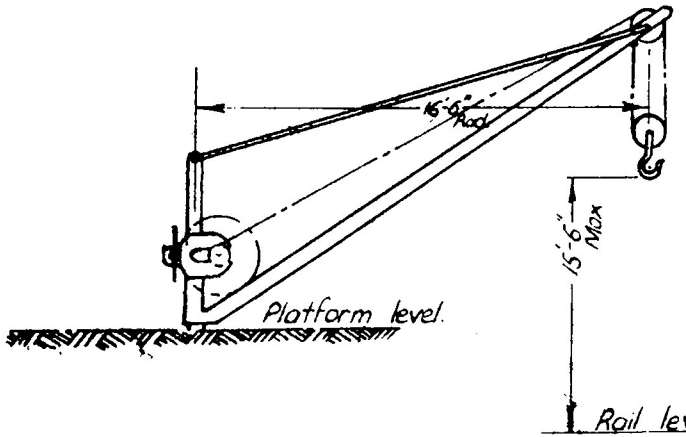
Plan N°73-41 (2)

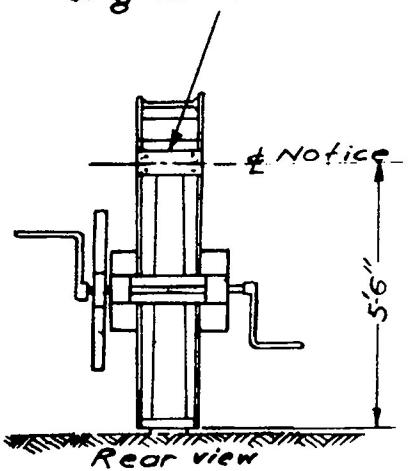


10 TON TYPE DERRICK CRANE

Plan No. C-16 B-25

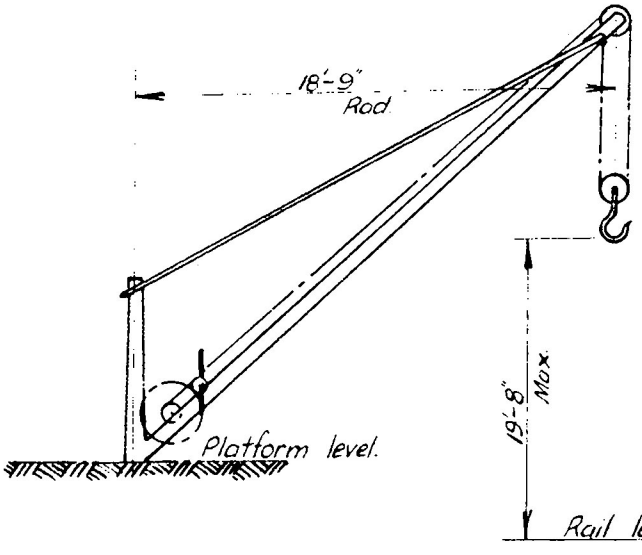
"Max. Load Notice" to be stencilled on 1'-4" x 6" x $\frac{1}{8}$" M.S. plate bolted to column sides with 4No. $\frac{3}{8}$" d. hook bolts 6$\frac{1}{2}$" long



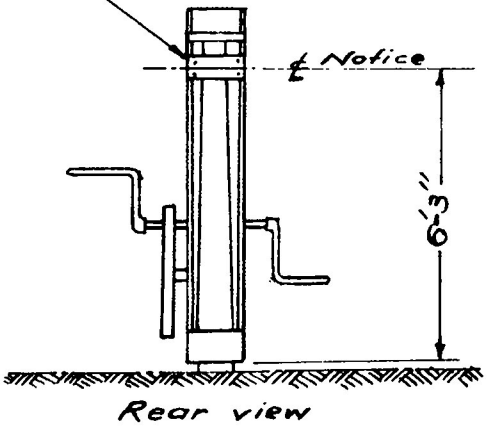


1$\frac{1}{2}$ to 2 TON TYPE JIB CRANE

Litho. No. C-55 A-15



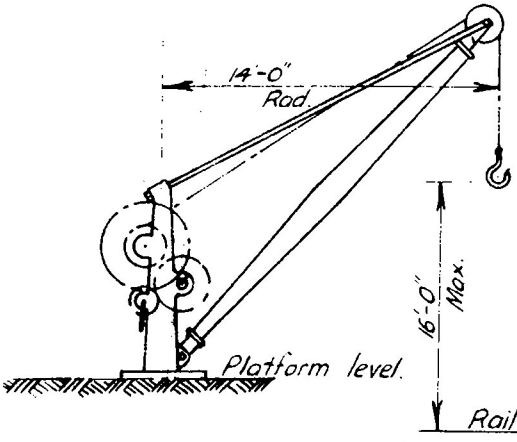
"Max. Load Notice" to be stencilled on $1'-3\frac{1}{2}" \times 6" \times \frac{1}{8}"$ M.S. plate bolted to column sides with 4 No. $\frac{5}{8}"$ d. hook bolts. $6\frac{1}{2}"$ long.

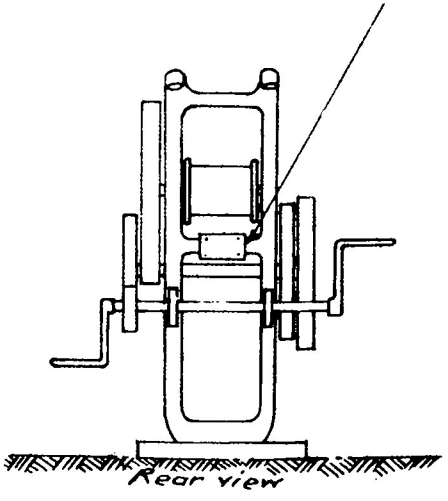


$2\frac{1}{2}$ TON TYPE JIB CRANE

Plan No. 8-30

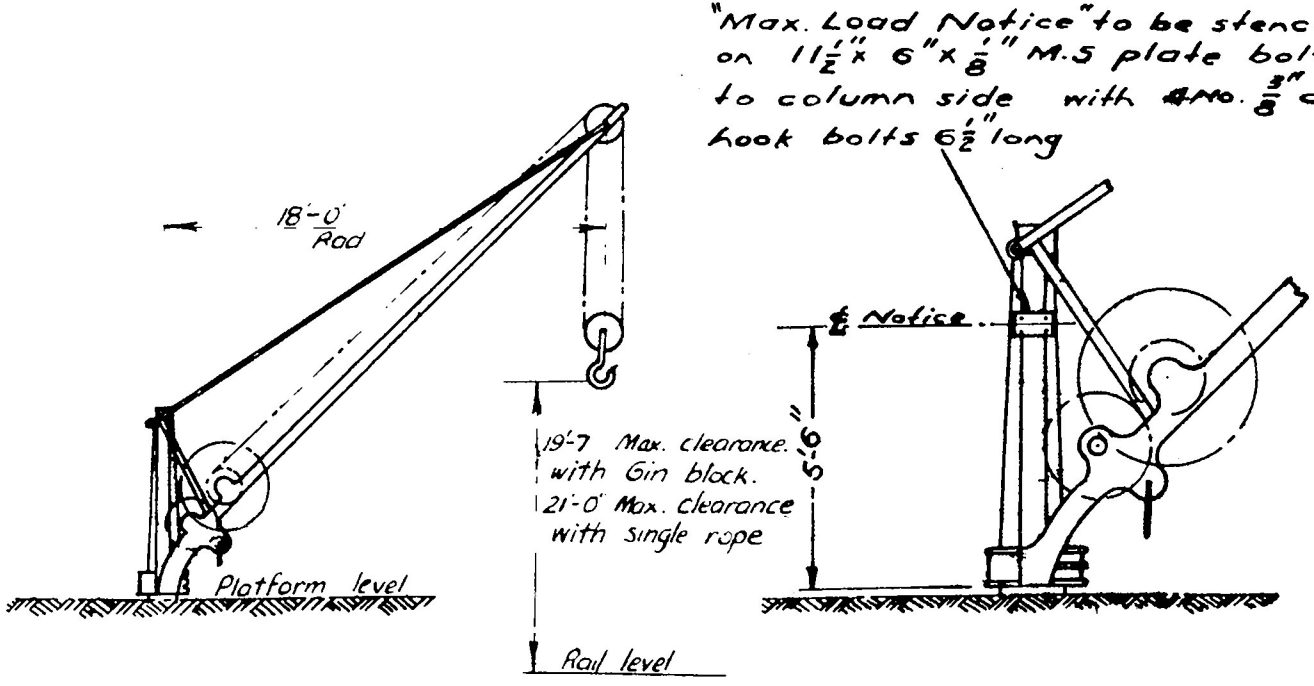
"Max. Load Notice" to be stencilled on $1\frac{1}{2}$" × 6" × $\frac{1}{8}$" M.S. plate bolted to frame with 4 No. $\frac{3}{8}$" d. bolts and straps to suit





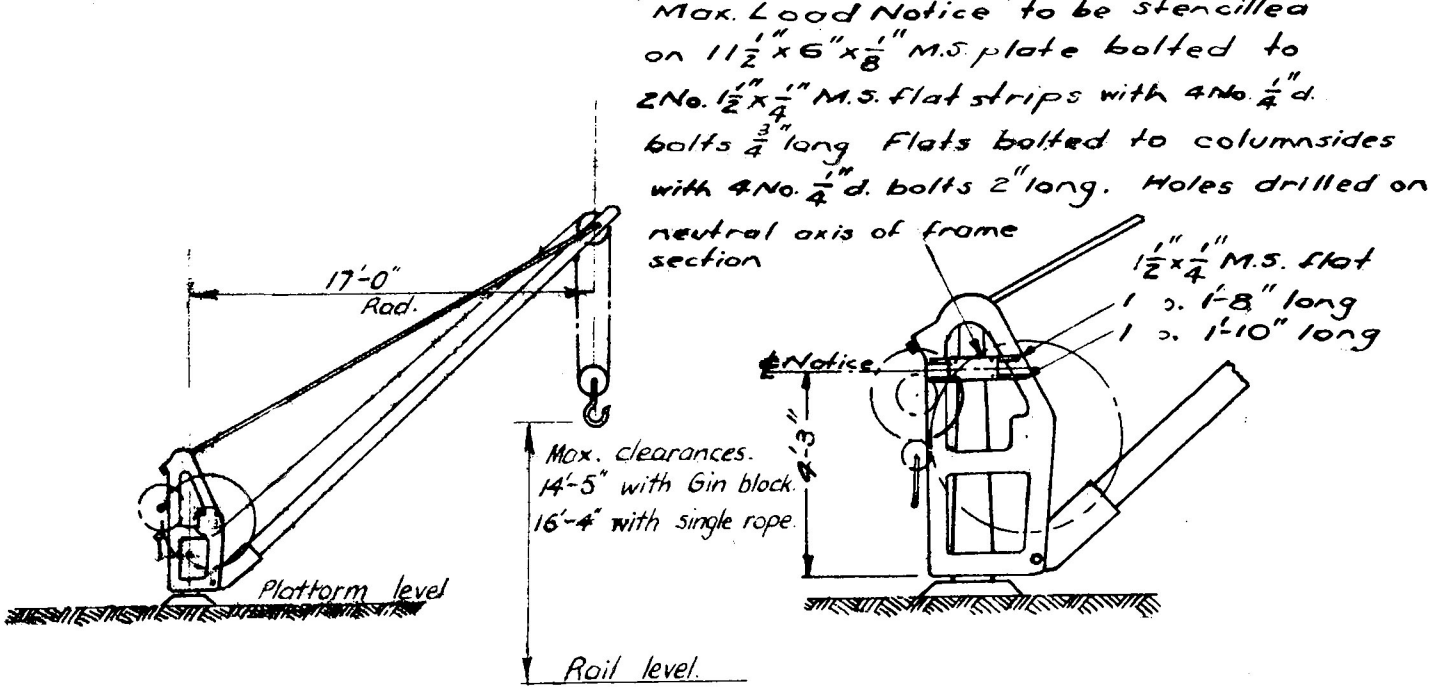
3 TON TYPE JIB CRANE

Litho. No. C-66 B-25



3 to 5 TON "BRITANNIA" TYPE JIB CRANE

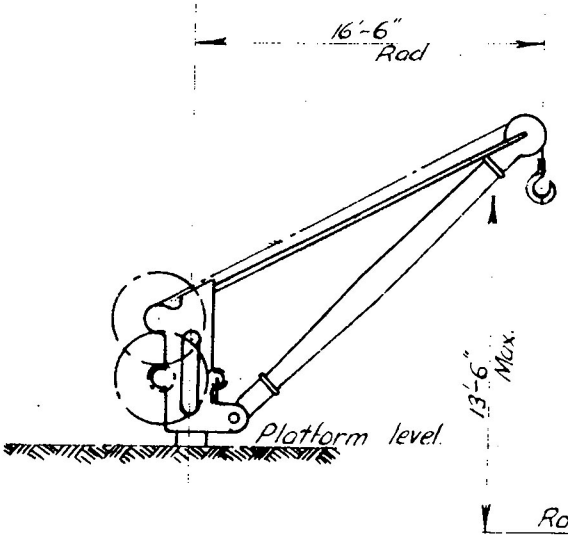
Litho. No. C-96 A-15

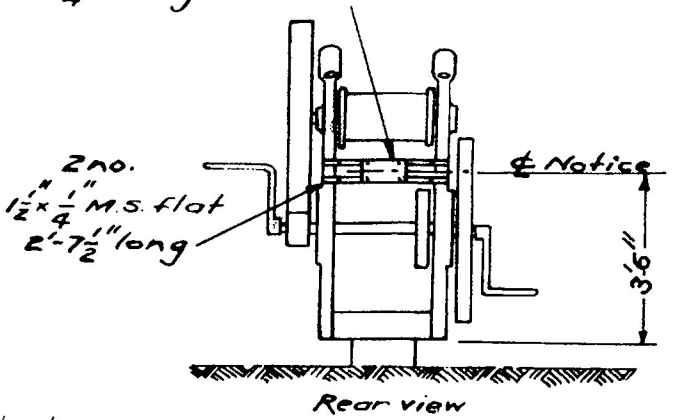


3 to 5 TON "BRIDGEWATER" TYPE JIB CRANE

Litho. No. C-268 A-15

"Max. Load Notice" to be stencilled on $11\frac{1}{2}'' \times 6'' \times \frac{1}{8}''$ M.S. plate bolted to 2 No. $1\frac{1}{2}'' \times \frac{1}{4}''$ M.S. flat strips with 4 No. $\frac{1}{4}''$ d. bolts. $\frac{1}{4}''$ long. Flats bolted to column sides with 4 No. $\frac{3}{8}''$ d. hook bolts $8\frac{1}{4}''$ long

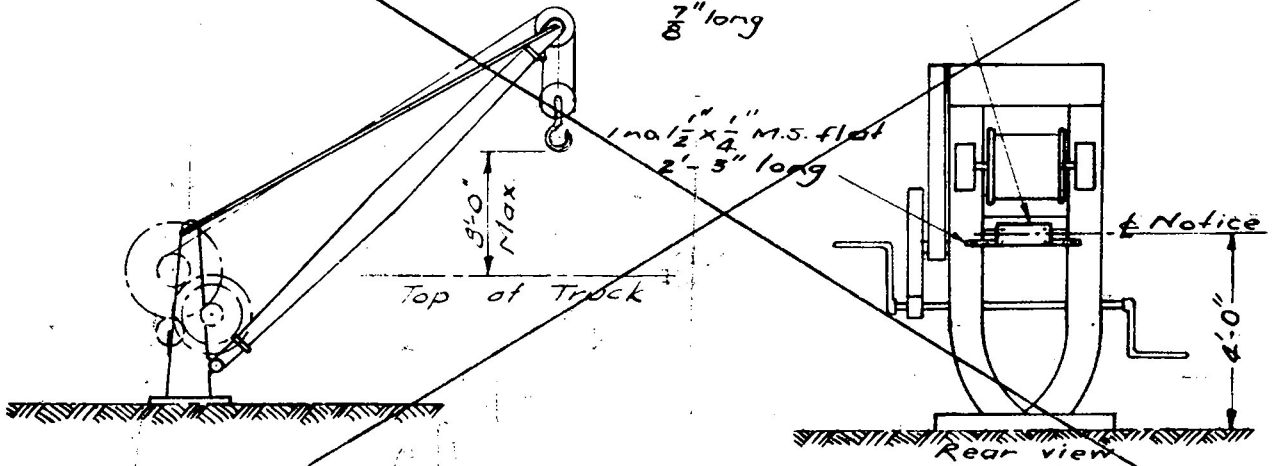




3 to 5 TON TYPE JIB CRANE

Litho. No. C-67 A-15

"Max. Load Notice" to be stencilled on $1\frac{1}{2}$" x 6" x $\frac{1}{8}$" M.S. plate bolted to existing 3" x 3" x $\frac{1}{2}$" angle and a $1\frac{1}{2}$" x $\frac{1}{4}$" M.S. flat strip with 4 No. $\frac{1}{4}$" d. bolts $\frac{7}{8}$" long. Flat bolted to column sides with 2 No. $\frac{1}{4}$" d. bolts $\frac{7}{8}$" long

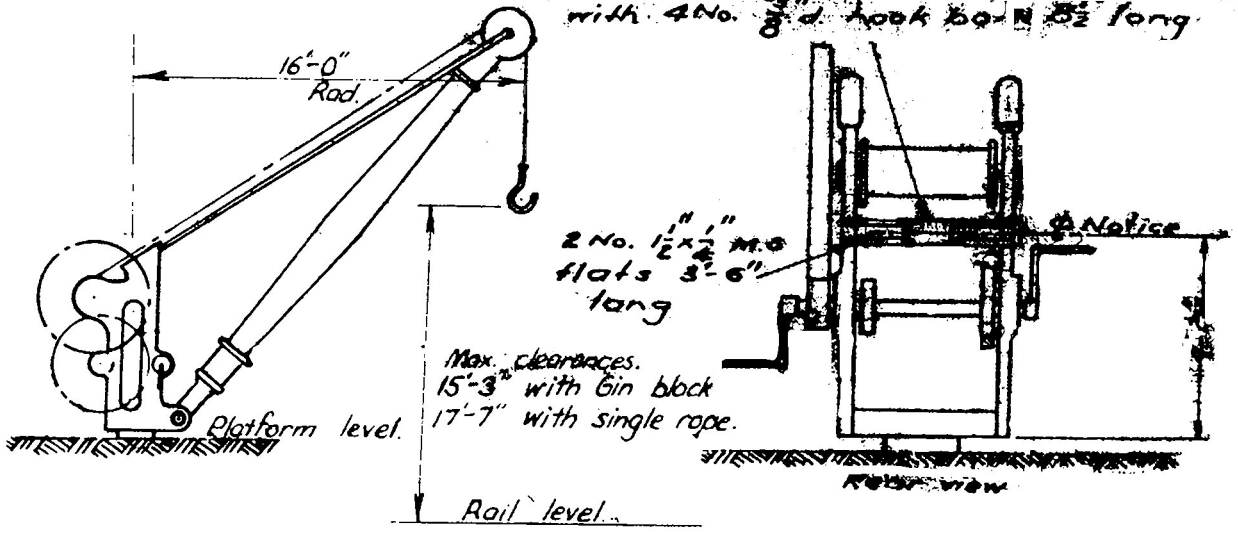


5 TON TYPE JIB CRANE

Ballarat crane removed & scrapped 5/12/61. [A]

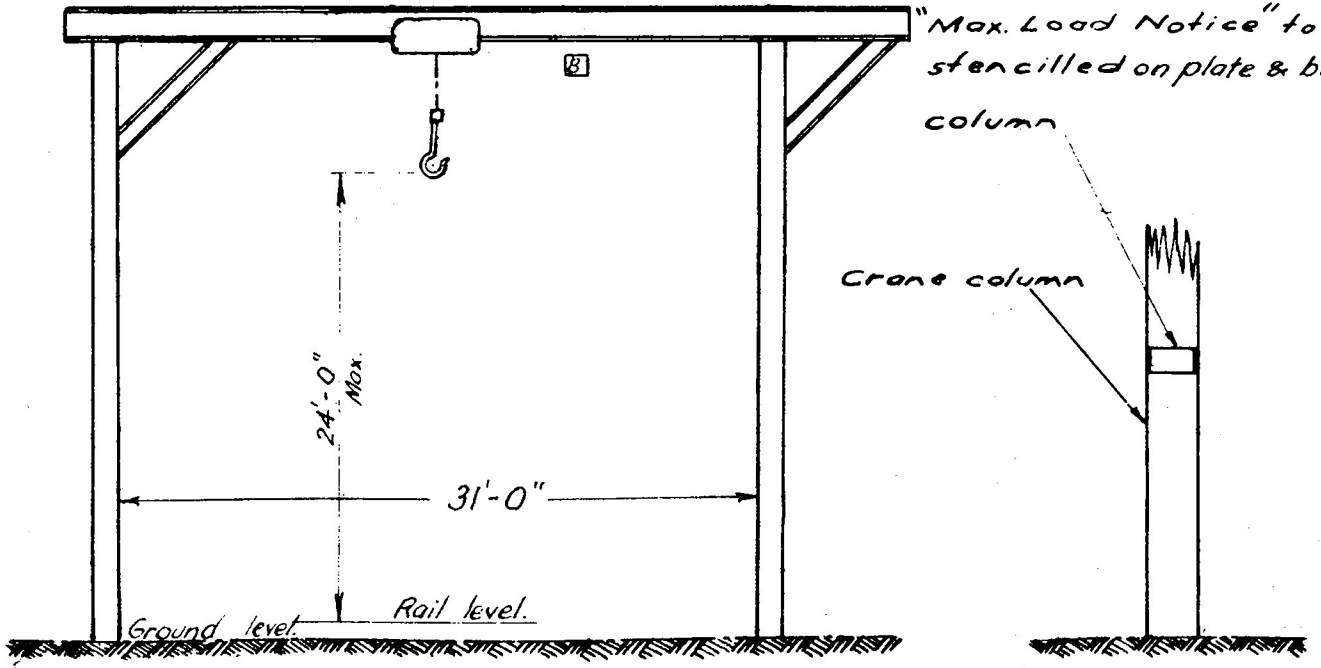
Litho. No. C-57 A-15

"Max. Load Notice" to be Stencilled on $11\frac{1}{2}$" x 6" x $\frac{1}{8}$" M.S. plate bolted to $1\frac{1}{2}$" x $\frac{1}{4}$" M.S. flat stripe with bolts $\frac{3}{4}$" long Flats bolted thereon with 4No. $\frac{3}{8}$" d. hook bolts $5\frac{1}{2}$" long



7½ to 10 TON TYPE JIB CRANE

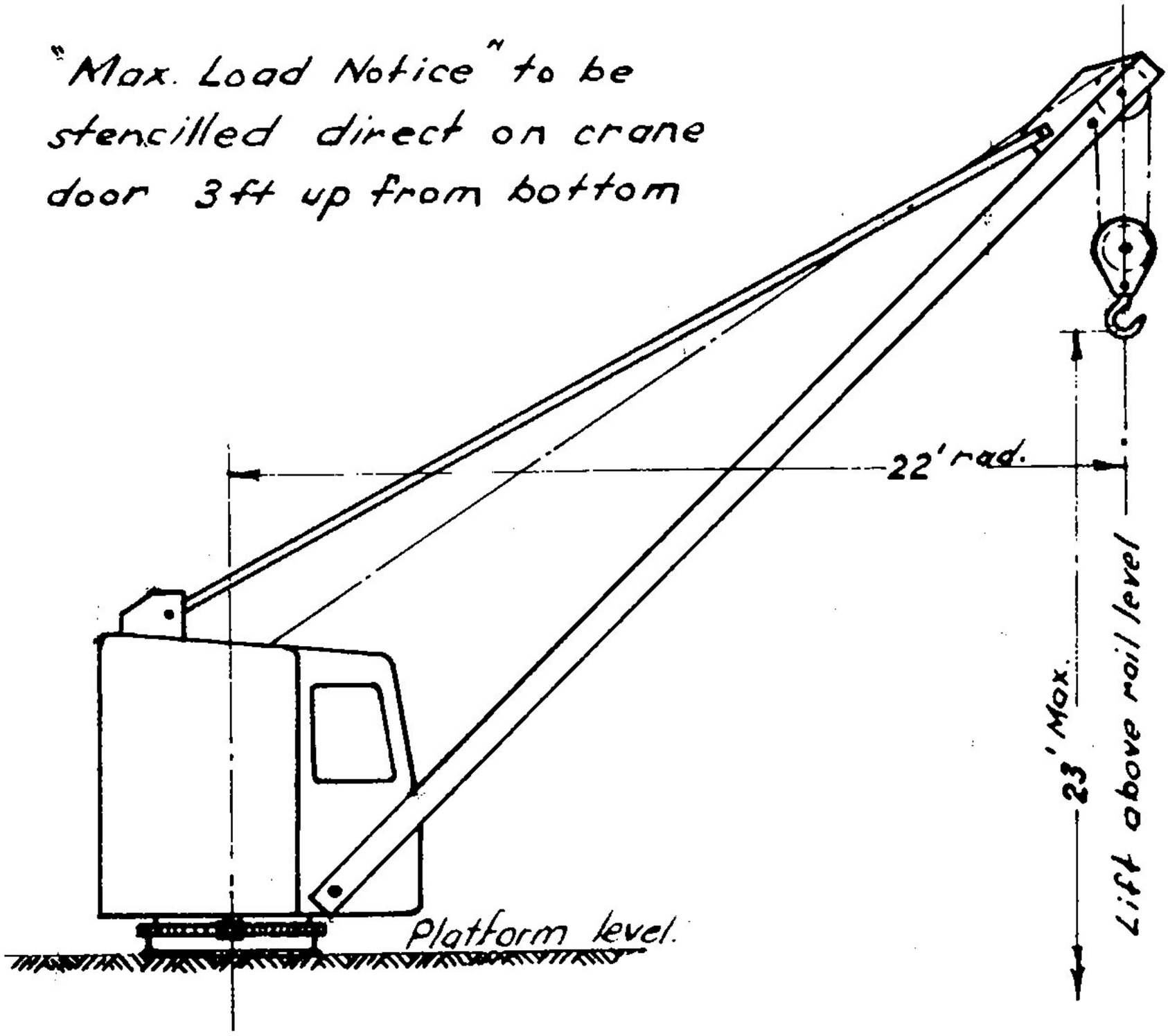
Litho No. C-34 A-15 (11)



4 TON FIXED GANTRY CRANE

Plan Nº 96-64 (13)

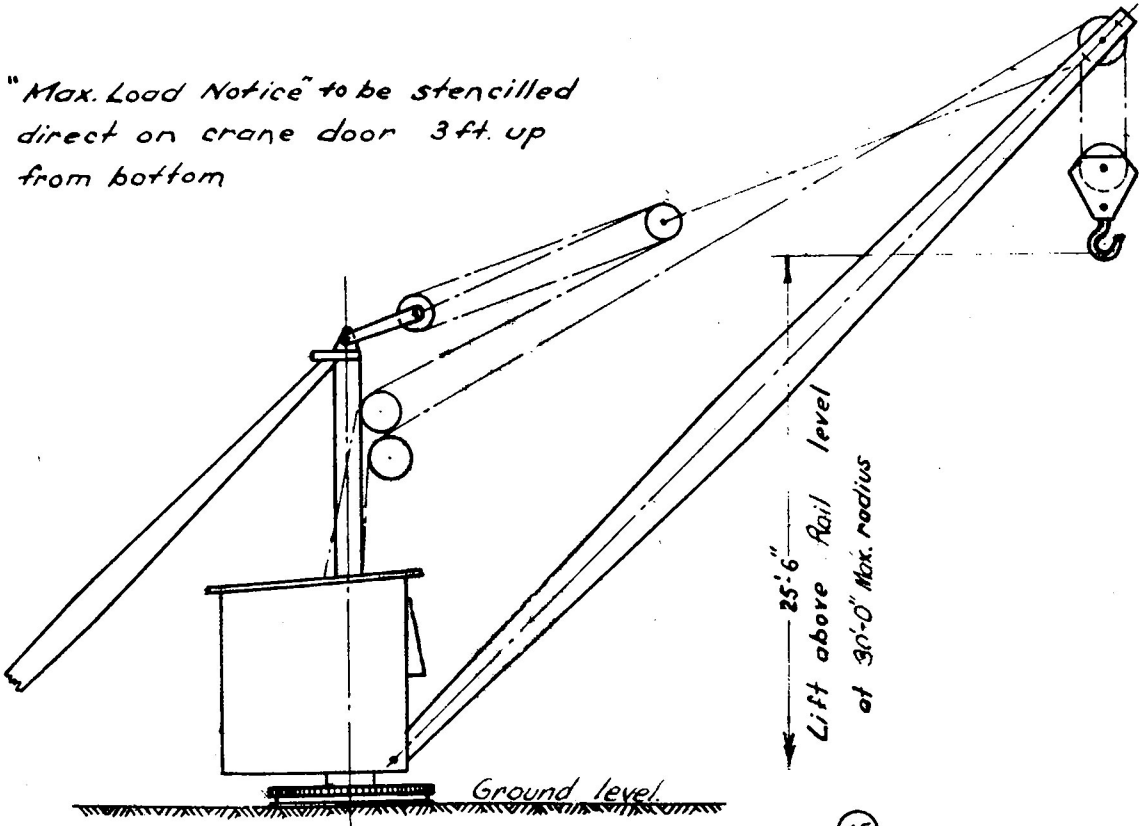
"Max. Load Notice" to be stencilled direct on crane door 3ft up from bottom



5 TON POST CRANE 1954 TYPE (14)

(MOORE CRANE CO.) Foundation Plan No. C36-54

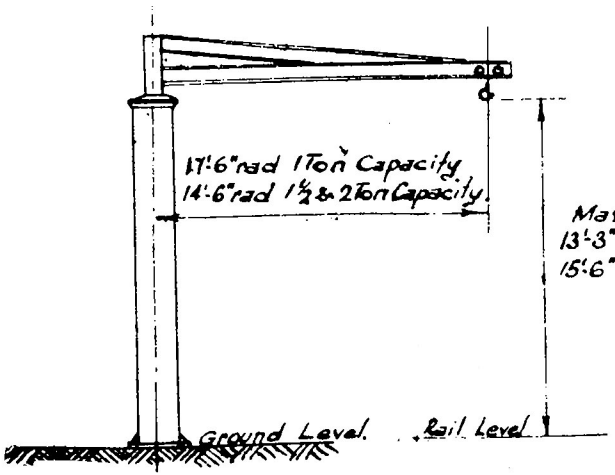
"Max. Load Notice" to be stencilled direct on crane door 3 ft. up from bottom



8 TON DERRICK CRANE

(STOTHERT & PITT) Foundation Plan No. 637-54

"Max. Load Notice" to
stencilled direct on
crane column 5'-0" abo
ground level.



1-2 TON PILLAR TYPE JIB CRANE

(RONSTRUM)

15'-3" with 6in block.
17'-7" with single rope.

Platform. level.

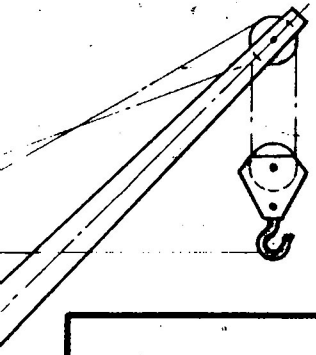
Rear view

Rail level.

7½ to 10 TON TYPE JIB CRANE

Litho No. C-37 A-15 (11)

Rev	Date	Amendment	By	Eng M&WS
B	23/8/61	(13) Amended to 4 Ton Fixed Gantry	J.J.C.	K.S.
		Radius & Max. Lifting heights of various cranes added. (10) & (12) cancelled.		
A	30/11/60	1-2 Ton Pillar Type Jib Crane (9) added.	J.H.S.	A.A.P.
Rev	Date	Amendment	By	Eng M&WS
3-10-55		(14) and (15) added	P.J.L.	
Date		Amendment	By	Eng M&WS



Note:-
Load Notice to be painted in black letters and figures on yellow background

of 30'-0" Max. radius

V. R.

DIAGRAMS OF LIFTING CRANES

Scale- ¼", ⅛" = 1'-0"

CHIEF CIVIL ENGINEER

C-370
B-25

PLAN No. 203-50

(15)

DRAWN	CHECKED	CORRES.

18'0 Max above truck

5 - 2 Ton Derrick Cranes - Type 1888
(Diagram 1)

24

Not suitable for powered

Manual Operation

Location	Capacity	Location	Capacity
Berriwillock	3 tons	Lillimur	2 tons
Beulah	3 "	Macorna	2 "
Boort	3 "	Melton	2 "
Brim	3 "	Miram	2 "
Cope Cope	2 "	Mitiamo	2 "
Cobden	3 "	Mortlake	3 "
Dunkeld	2 "	Penshurst	2 "
Eaglehawk	3 "	Rainbow	3 "
Foster	2 "	Serviceton	2 "
Goroke	2 "	Sheephills	3 "
Kaniva	2 "	Somerville	2 "
Koolobonong	3 "	Underbool	3 "
Lake Boga	2 "	Westmere	3 "

Total - 26 cranes

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

Powered for horizontal only

15'9" above truck

Suitable Standard design

Manual Operation

Location	Capacity	Location	Capacity
Alexandra	6 tons	~~Ararat~~	~~6 tons~~
Arden Street	6 "	Balmoral	6 "
Bacchus Marsh	6 "	Bairnsdale ✓	6 "
Ballan	6 "	Balranald	6 "
Barwon	6 "	Birchip	6 "
Bright	6 "	Camperdown ✓	6 "
Carisbrook	6 "	Casterton	6 "
Cobram	6 "	Cohuna	4 "
Coleraine	6 "	Cressy	6 "
~~Cressy~~	~~6 "~~	Creswick	6 "
Culgoa	4 "	Collins Siding (Moe)	6 "
Daylesford	6 "	Dartmoor	6 "
Dimboola ✓	6 "	Dookie	6 "
Drouin	6 "	Elmore	6 "
Fern Hill	6 "	Flemington Show Grounds	6 "

Add C'maine for recommended item

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

Location	Capacity	Location	Capacity
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 "
Lindenow	6 "	Londrigan	6 "
Maffra	6 "	Maldon	4 "
Manangatang	6 "	Mathoura	6 "
Mildura River Siding	1½ "	Mirboo North	4 "
Moe	6 "	Moorcopna	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 "
Tocumwal	4 "	Toolamba	4 "
Toora	6 "	Traralgon	6 "
Trentham	6 "	Tungamah	4 "

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

Location	Capacity	Location	Capacity
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 "	Eurca	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 "	Heyfield	6 "
Orbost	6 "	Orbost	6 "
Rokeby	6 "	Wesburn	6 "
Yarra Junction	6 "	Yarra Junction	6 "

33 cranes (power)

Total - 149 cranes

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

Manual Operation

Location	Capacity
Rutherglen	6 tons (Limit)

Capacity suitable but crane very cumbersome.

Power Operation

Location	Capacity
Nowa Nowa	Engine 10 tons

Total - 2 cranes

---

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

Manual Operation

Location	Capacity	Location	Capacity
Annuello	2 tons	Beaufort	2 tons Most urgent
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

Location	Capacity	Location	Capacity
Bairnsdale	2½ tons	Bealiba	2½ tons
Chillingollah	2½ "	Colbinabbin	2½ "
Cudgewa	2½ "	Dimboola	2½ "
Frankston	2½ "	Horsham	2½ "
Koo-Wee-Rup	2½ "	Lalbert	2½ "
Marnoo	2½ "	Merbein	2½ "
Minyip	2½ "	Mornington	2½ "
Moulamein	2½ "	Murrabit	2½ "
Netherby	2½ "	Nyah West	2½ "
Patchewollock	2½ "	Rhangil	2½ "
Robinvale	2½ "	Sale	2½ "
Stanhope	2½ "	Stony Point	2½ "
Sunshine	2½ "	Yaapeet	2½ "
Yanac	2½ "		

Total - 27 cranes

3 ton Jib Cranes - Type 1862 (Diagram 6) 7'-11" above truck top Nohope - Cl. Case

Manual Operation

Location	Capacity	Location	Capacity
Gisborne	3 tons	Macedon	3 tons
Meredith	3 "	Shelbourne	3 "

Barnawatha

Total - 4 cranes

---

5 - 3 ton Jib Cranes "Britannia" type 1881 - (Diagram 7) Very suitable for power - hoist only

Manual Operation 11-6 with G block above truck top 13-6 " single rope

Location	Capacity	Location	Capacity
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	Colac	3 tons
Hamilton	4 "	Horsham	3 "
Mildura	4 "	Shepparton	3 "
Warrnambool	4 "		

7 Cranes (Electric)

Total - 15 cranes

X

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

Manual Operation

Location	Capacity	Location	Capacity
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 "
Tallarook	2 "	Violet Town	4 "
Wodonga	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

Location	Capacity
Elphinstone	5 tons

Total - 1 Crane

---

5 ton Jib Crane - Type 1902 - (Diagram 10) 8-0' Max

Converted to Electric Drive

Location	Capacity
Ballarat	5 tons
Ballarat	5 "

Total - 2 cranes

---

10 - 7½ ton Jib Crane, Type 1886 - (Diagram 11) 10-6 Max

Manual Operation

Location	Capacity	Location	Capacity
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

Location	Capacity
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 " " "
Graham (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
Moe	1 " 10 ton gantry crane.

TOTAL number of units listed - 280

G. 25L

VICTORIAN RAILWAYS

Fete 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 Orbost, 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.