

# PARTICULARS OF DREDGES BUILT FOR WORK IN NEW ZEALAND.

M. Marshall, Sons, and Co. (Limited); G. Garratt and Sons; R., E. Roberts; T., Tangyes (Limited); C., Cutten Bros.; M. C., Morgan and Cable; P., F. W. Payne; B. M., Brown and May; R. P., Ruston and Proctor; S., Sparrow; J., Johnston; A. P., Aveling and Porter; Gy., Gwynne; Pax., Davey, Faxman, and Co.; P. S., Posthwaite; C. S., Clayton and Shuttleworth; A., Anderson; K., Kincaid and McQueen; S. P., Stevenson and Poole.

Centrifugal elevator: (Payne and Peck's patent).

Cost-price of dredges: The prices given are mainly contract prices. In a few cases (marked "(a)") the present approximate value of the dredge is given. Where blanks occur information not available.

Particulars of West Coast dredges include information obtainable in Dunedin.

| Name of Dredge and Locality.                    | Dredge designed by | Whether Dredge in Active Operation or partially constructed. | Pontoon.          |                 | Ladder and Buckets. |                   | Elevator.                         |                                      | Machinery.        |                                                                        | Average Weekly Cost of Working. | Approximate Cost of Dredge. | Number of Men employed. |                      |
|-------------------------------------------------|--------------------|--------------------------------------------------------------|-------------------|-----------------|---------------------|-------------------|-----------------------------------|--------------------------------------|-------------------|------------------------------------------------------------------------|---------------------------------|-----------------------------|-------------------------|----------------------|
|                                                 |                    |                                                              | Length (in Feet). | Beam (in Feet). | Depth (in Feet).    | Length (in Feet). | Depth of dredge at 45° (in Feet). | Capacity of Buckets (in Cubic Feet). | Length (in Feet). | Height above water-level capable of discharging tailings to (in Feet). |                                 |                             |                         | Boiler, Nominal H.P. |
| CLUTHA RIVER.                                   |                    |                                                              |                   |                 |                     |                   |                                   |                                      |                   |                                                                        |                                 |                             |                         |                      |
| Scottish Chief, Tuapeka Mouth                   | E. Roberts         | Operations suspended                                         | 91                | 28              | 6                   | 60                | 35                                | 41                                   | 42                | 21                                                                     | 20 R.                           | 16 M.                       | ..                      | 4,500                |
| Lioness, Rankleburn                             | L. H. Reynolds     | Shifting to Gore                                             | 89                | 25              | 6                   | 61                | 40                                | 43                                   | Not required      | Not required                                                           | 20 R.                           | 16 R.                       | ..                      | 1,000 <sup>(a)</sup> |
| New Paul's Beach, below Beaumont                | E. Roberts         | Working                                                      | 90                | 20              | 5                   | 60                | 40                                | 33                                   | Not required      | Not required                                                           | 16 M.C.                         | 12 G.                       | 13                      | 5,800                |
| New Golden Gravel, Beaumont                     | "                  | "                                                            | 91                | 28              | 6                   | 60                | 35                                | 44                                   | 42                | 21                                                                     | 20 R.                           | (73, 114, O.B.) G.          | 10                      | 5,800                |
| Champion, Beaumont                              | "                  | "                                                            | 91                | 28              | 6                   | 60                | 35                                | 44                                   | 42                | 21                                                                     | 20 R.                           | (73, 114, O.B.) G.          | 10                      | 5,800                |
| New Britannia, Tallaburn                        | "                  | "                                                            | 98                | 30              | 6                   | 60                | 38                                | 44                                   | 43                | 20                                                                     | 20 R.                           | 16 R.                       | ..                      | 8,200                |
| Otago No. 2, below Island Block                 | E. Roberts         | "                                                            | 110               | 30              | 7                   | 70                | 43                                | 6                                    | 42                | 21                                                                     | 35 R.                           | 20 R.P.                     | ..                      | 8,200                |
| Island Block, Island Block                      | F. W. Payne        | "                                                            | 105               | 28              | 7                   | 70                | 45                                | 44                                   | Centrifugal.      | 35                                                                     | 20 M.                           | 16 M.                       | ..                      | 6,500                |
| Otago.                                          |                    |                                                              |                   |                 |                     |                   |                                   |                                      |                   |                                                                        |                                 |                             |                         |                      |
| Golden Horseshoe, Island Block                  | E. Roberts         | Shifting to West Coast                                       | 100               | 30              | 7                   | 70                | 45                                | 51                                   | 74                | 37                                                                     | 45 R.                           | 20 M.                       | ..                      | ..                   |
| Guntun's Beach, above Island Block              | "                  | Pontoons built                                               | 81                | 28              | 6                   | 58                | 34                                | 43                                   | 42                | 21                                                                     | 16 M.                           | 12 M.                       | ..                      | ..                   |
| Golden Run, Miller's Flat                       | "                  | Working                                                      | 110               | 31-36           | 6-8                 | 70                | 40                                | 6                                    | 90                | 45                                                                     | 40 R.                           | 25 M.                       | ..                      | 9,834                |
| Pride of Clutha No. 2, Miller's Flat            | "                  | "                                                            | 100               | 31              | 5-7                 | 66                | 48                                | 5                                    | 74                | 37                                                                     | 28 R.                           | 20 M.                       | ..                      | 7,960                |
| Pride of Clutha No. 1, Miller's Flat            | "                  | "                                                            | 90                | 23              | 5                   | 60                | 35                                | 24                                   | ..                | ..                                                                     | ..                              | ..                          | ..                      | ..                   |
| Golden Gate, Miller's Flat                      | "                  | "                                                            | 92                | 23              | 5 1/2               | 62                | 25                                | 3                                    | 36                | 18                                                                     | 20 R.                           | 14 M.C.                     | 12                      | 3,200                |
| Otago, Miller's Flat                            | "                  | "                                                            | 108               | 20              | 5                   | 72                | 36                                | 4                                    | 40                | 20                                                                     | 20 K.                           | 12 K.                       | 12                      | ..                   |
| Golden Treasure, above Miller's Flat            | Cutten Bros.       | "                                                            | 90                | 27              | 5                   | 63                | 40                                | 3                                    | 38                | 20                                                                     | 20 S.                           | 16 M.                       | 12                      | 2,650                |
| Majestic, above Miller's Flat                   | F. W. Payne        | "                                                            | 105               | 30              | 6                   | 68                | 42                                | 44                                   | Not required      | Not required                                                           | 20 M.                           | 16 M.                       | 13                      | 6,200                |
| Golden Bed, Ettrick                             | Cutten Bros.       | "                                                            | 101               | 27-32           | 5-7                 | 63                | 35                                | 5                                    | 110               | 55                                                                     | 40 C.                           | 20 M.                       | 14                      | 9,000                |
| Ettrick, Ettrick                                | "                  | "                                                            | 100               | 31              | 5-7                 | 66                | 40                                | 5                                    | 74                | 37                                                                     | 28 R.                           | 20 M.                       | 14                      | 7,742                |
| Gold King, below Roxburgh                       | E. Roberts         | "                                                            | 113               | 30              | 6-7                 | 82                | 46                                | 5 1/2                                | 66                | 33                                                                     | 35 R.                           | 20 M.                       | ..                      | 8,800                |
| Main Lead Hercules, below Roxburgh              | "                  | "                                                            | 113               | 30              | 6-7                 | 82                | 46                                | 5 1/2                                | 66                | 33                                                                     | 35 R.                           | 20 M.                       | ..                      | 8,250                |
| Endeavour, below Roxburgh                       | "                  | "                                                            | 113               | 30              | 6-7                 | 82                | 46                                | 5 1/2                                | 66                | 33                                                                     | 35 R.                           | 20 M.                       | ..                      | 7,650                |
| Roxburgh Jubilee, Roxburgh                      | "                  | "                                                            | 100               | 32              | 6-7                 | 70                | 50                                | 5 1/2                                | 74                | 37                                                                     | 35 R.                           | 20 M.                       | 15                      | 8,330                |
| Lady Roxburgh, Roxburgh                         | "                  | "                                                            | 113               | 31              | 7                   | 82                | 50                                | 5 1/2                                | 66                | 35                                                                     | 35 R.                           | 20 M.                       | 16                      | 7,362                |
| Teviot, Roxburgh                                | "                  | "                                                            | 103               | 30              | 6-7                 | 70                | 40                                | 4 1/2                                | 35                | 20                                                                     | 30 C.                           | 20 M.                       | ..                      | 8,369                |
| Molyneux Kohinor, Coal Creek Flat               | Cutten Bros.       | "                                                            | 99                | 27              | 7                   | 68                | 48                                | 5                                    | Not required      | Not required                                                           | 20                              | 16                          | ..                      | 8,000                |
| Coal Creek Flat, Coal Creek Flat                | A. C. McGeorge     | "                                                            | 86                | 27              | 6                   | 58                | 30                                | 4 1/2                                | 74                | 37                                                                     | 28 R.                           | (9, 13, O.C.) G.            | 11                      | 7,439                |
| Gold Deposit, Coal Creek to Alexandra Gorge     | E. Roberts         | "                                                            | 106               | 26              | 7                   | 73                | 50                                | 4 1/2                                | Not required      | Not required                                                           | 20 T.                           | 16 R.P.                     | ..                      | 6,500                |
| Long Valley, Coal Creek to Alexandra Gorge      | F. W. Payne        | "                                                            | 100               | 30              | 6                   | 80                | 48                                | 4 1/2                                | 35                | 18                                                                     | 30 C.                           | 16 M.                       | 13                      | 7,800                |
| Golden Elbow, Coal Creek to Alexandra Gorge     | Cutten Bros.       | "                                                            | 102               | 31              | 7                   | 75                | 50                                | 4 1/2                                | Not required      | Not required                                                           | 20 M.                           | 16 M.                       | ..                      | ..                   |
| Fourteen-mile Beach, Coal Creek to Alexandra G. | F. W. Payne        | Pontoons built                                               | 102               | 31              | 7                   | 75                | 50                                | 4 1/2                                | Not required      | Not required                                                           | 20 M.                           | 16 M.                       | ..                      | ..                   |
| ..                                              | L. H. Reynolds     | Standing                                                     | 85                | 26              | 7                   | 61                | 35                                | 4 1/2                                | Not required      | Not required                                                           | Electric power                  | ..                          | ..                      | ..                   |

\* Diameter of cylinder in inches.