

Information on prototype features of Vulcan Double Fairlies Josephine and Rose

Dunedin and Port Chalmers railway  
1872-1873

Josephine and Rose nameplates

Running numbers (plates)

- Rose No. 1
- Josephine No.2

Notable features:

- Double roof Cab
- Short smokeboxes
- Lubricator on the smokebox sides
- Front steps and hand rails
- Central water filler
- Cab side inlays
- Pea shooter funnels with possible copper tops
- Clock handle smokebox doors
- Different counter weights
- Boiler side and front hand rails
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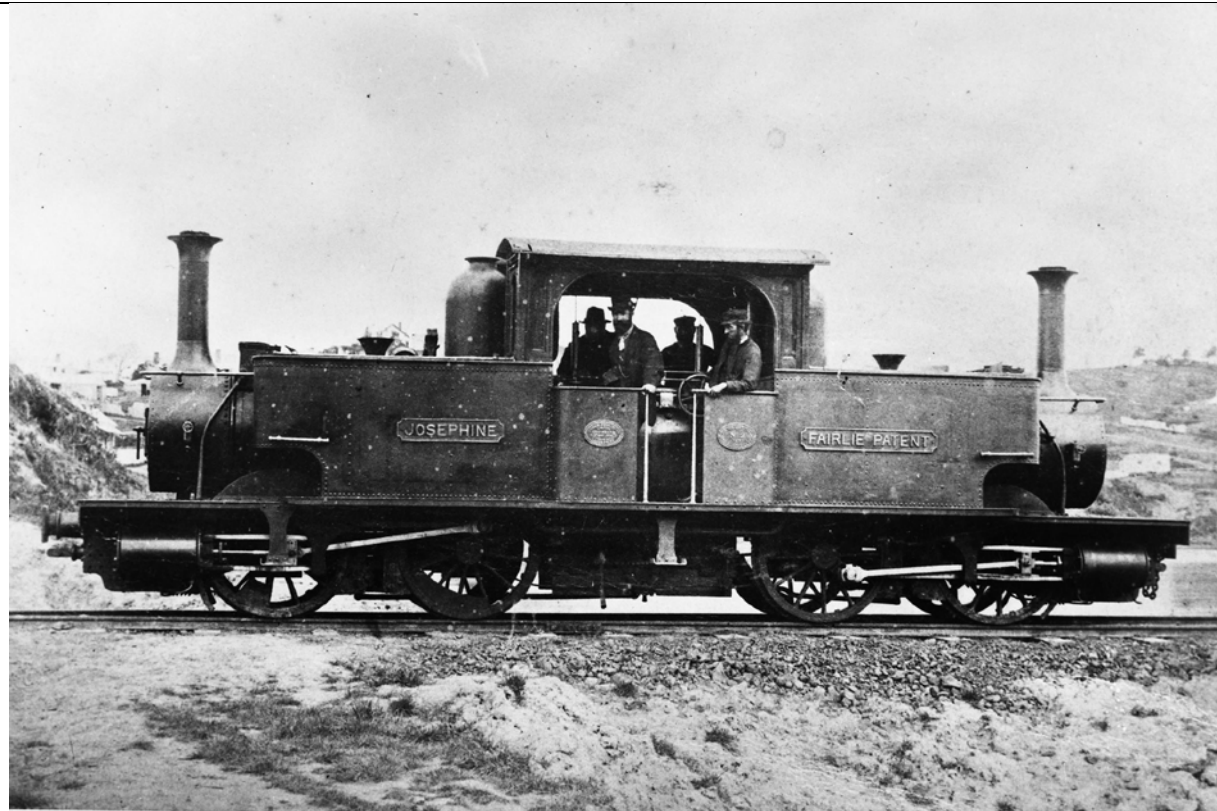


Figure 1 Josephine on trial run 1872

Otago Provincial railway  
1873 - 1876

Josephine and Rose nameplates

Running numbers (*Plates and painted on the headstocks as was the practice of the time*)

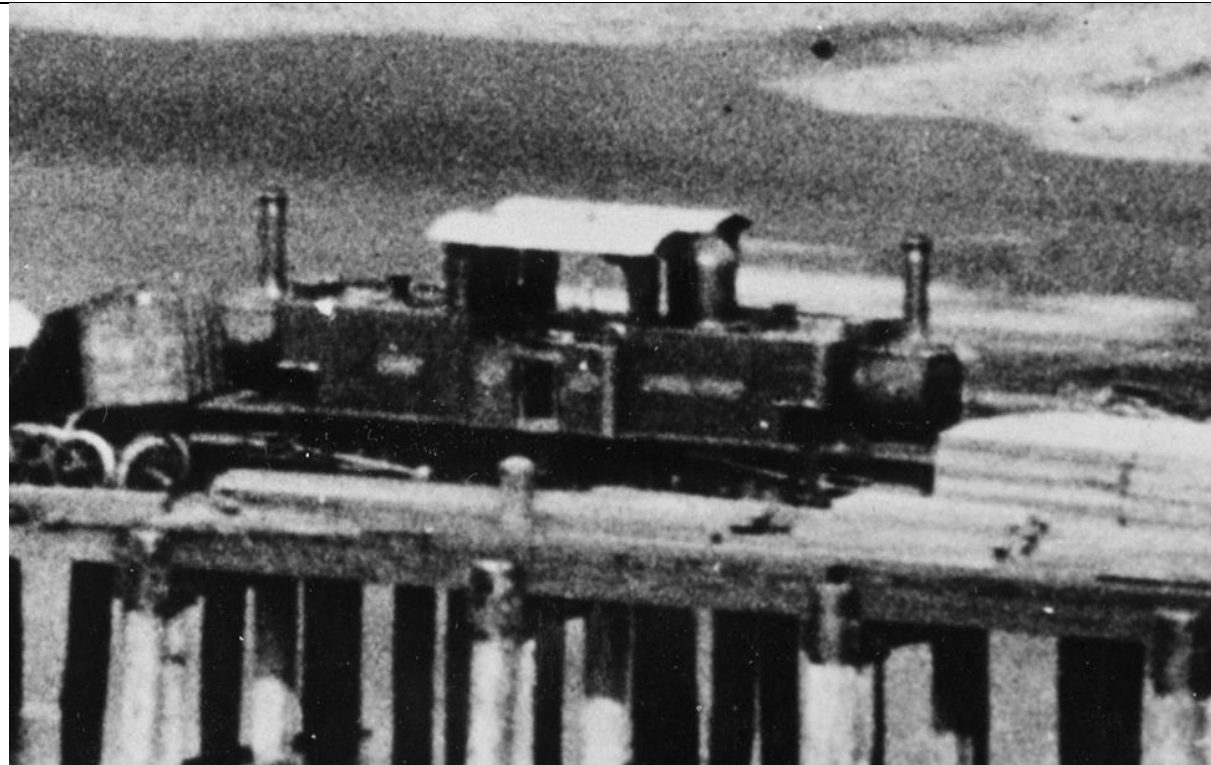
- Rose No. 6
- Josephine No.7

There is believed to have been number plates for this era but no record has been found

Notable features:

There is also no record of her features during this time

When the double cab or the front steps were removed or when the smokebox lubricators were removed and the central lubricator added



*Figure 2 Rose on Wharf during erection*

NZ Government Railways  
1876 -1883

Bluff - Huranui Section

Josephine nameplates (unsure no record found)

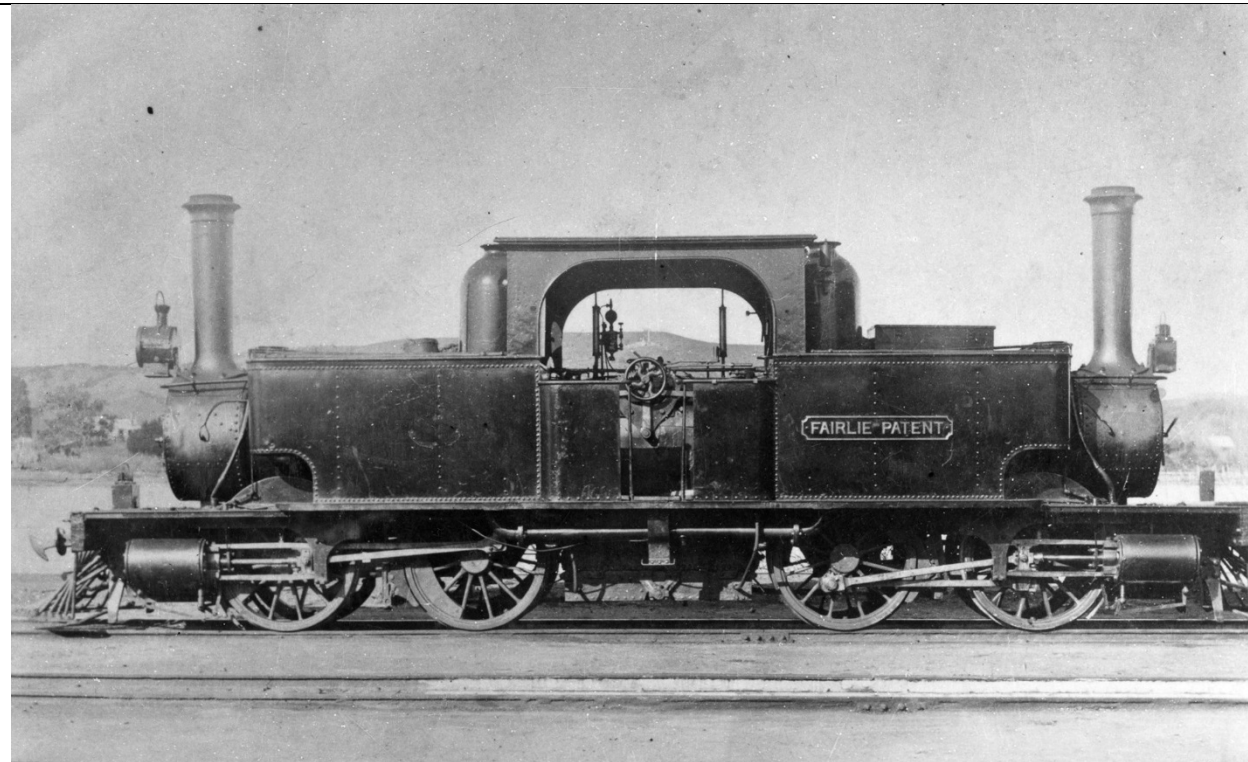
Running numbers(*Plates and painted on the headstocks as was the practice of the time*)

- Rose No. 26 (*1878 accident written off, boiler used at hillside workshop until 19?* )
- Josephine No.27,

NZ Government Railways  
1883 -1899  
Wanganui Section  
Josephine nameplates (*removed but unsure when no record found possibly when she received the new E175 number in 1890*)  
Running numbers  
Josephine No.24, E175

Notable features:

- Single roof Cab
- Short smokeboxes
- Central Lubricator
- NZR cast funnels
- Clock handle smokebox doors
- Different counter weights
- Boiler side and front hand rails
- Lamps different at each end
- Cowcatchers
- Curvy reversing wheel centrally located in the cab
- Small lanterns on the foot plates



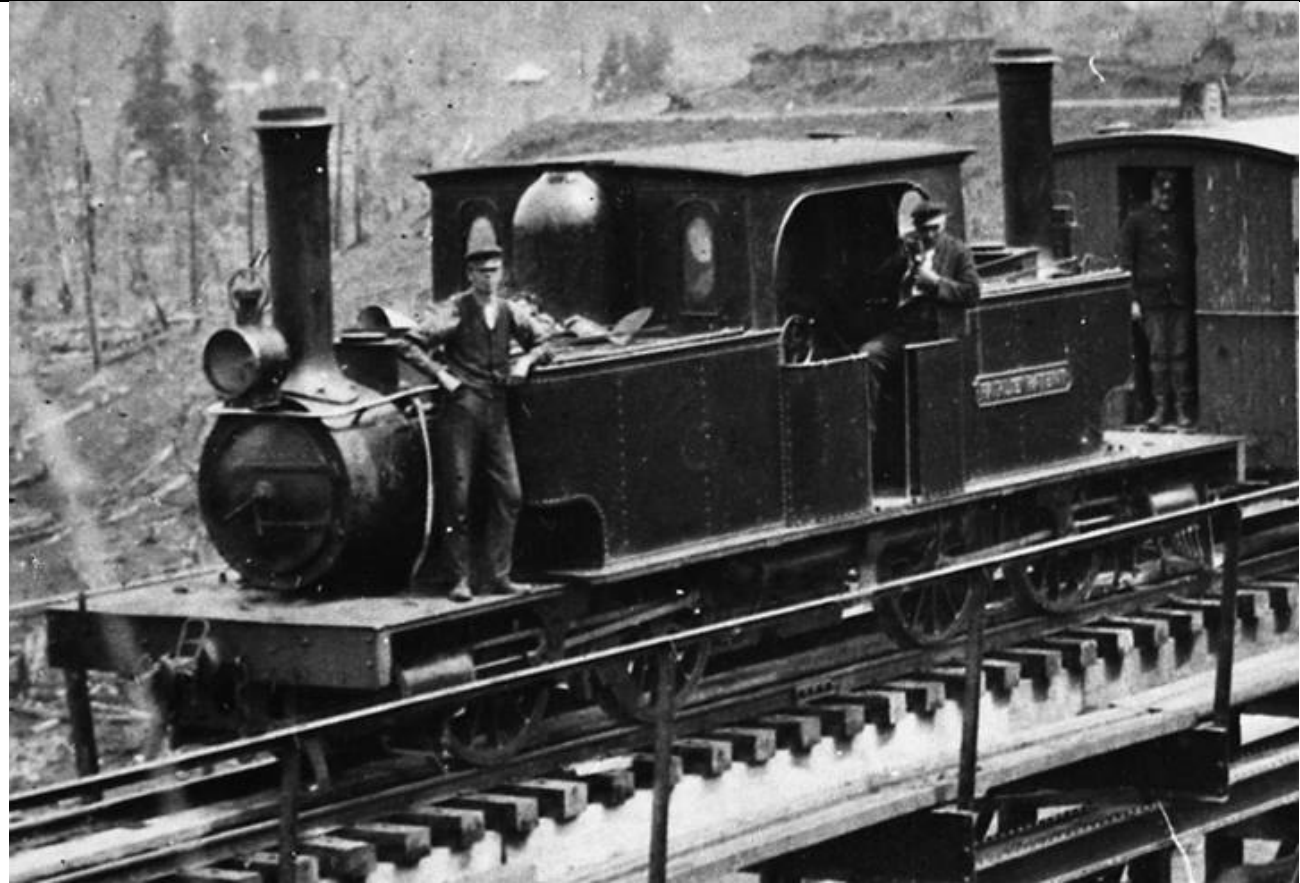
*Figure 3 Josephine at Wanganui in the last ninth century*

NZ Government  
1899 - 1901  
Public Works Department  
Josephine nameplates (removed)  
Running numbers  
No.504  
Lower sections of the north island

NZ Government 1901 - 1903 Public Works Department Josephine nameplates (removed) Running numbers No.504 Otago Central line	

NZ Government  
1903 - 1909  
Public Works Department  
Josephine nameplates (removed)  
Running numbers  
No.504  
NIMT  
Notable features:

- Missing cow catcher
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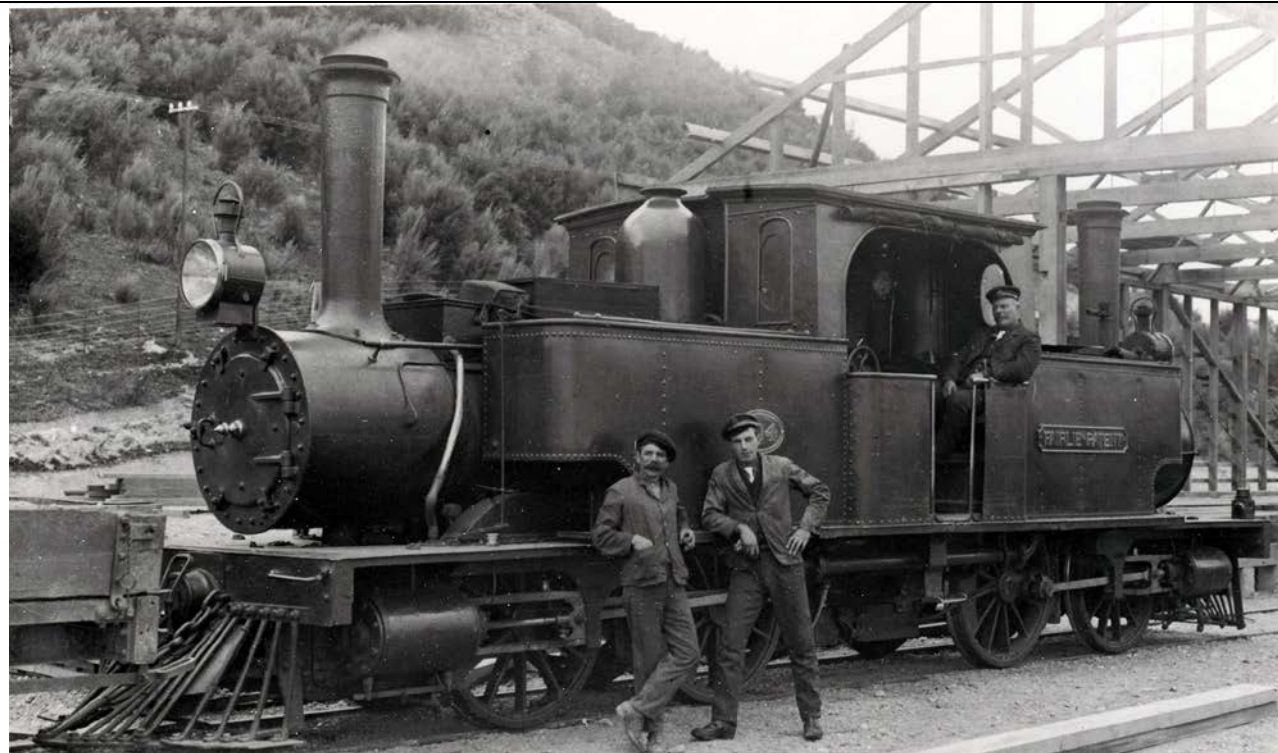
*Figure 4 NIMT Mana?? Viaduct*

NZ Government  
1909 - 1913  
Public Works Department  
Josephine nameplates (removed)  
Running numbers  
No.504  
Midland line broken river section  
Notable features:

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NZ Government  
1913 - 1916  
Public Works Department  
Josephine nameplates (removed)  
Running numbers  
No.504  
Roxburgh Branch  
Flood damaged in 1916  
Notable features:

- The longer smokebox
- The standard cast smoke box door
- Headlamps are both the same now



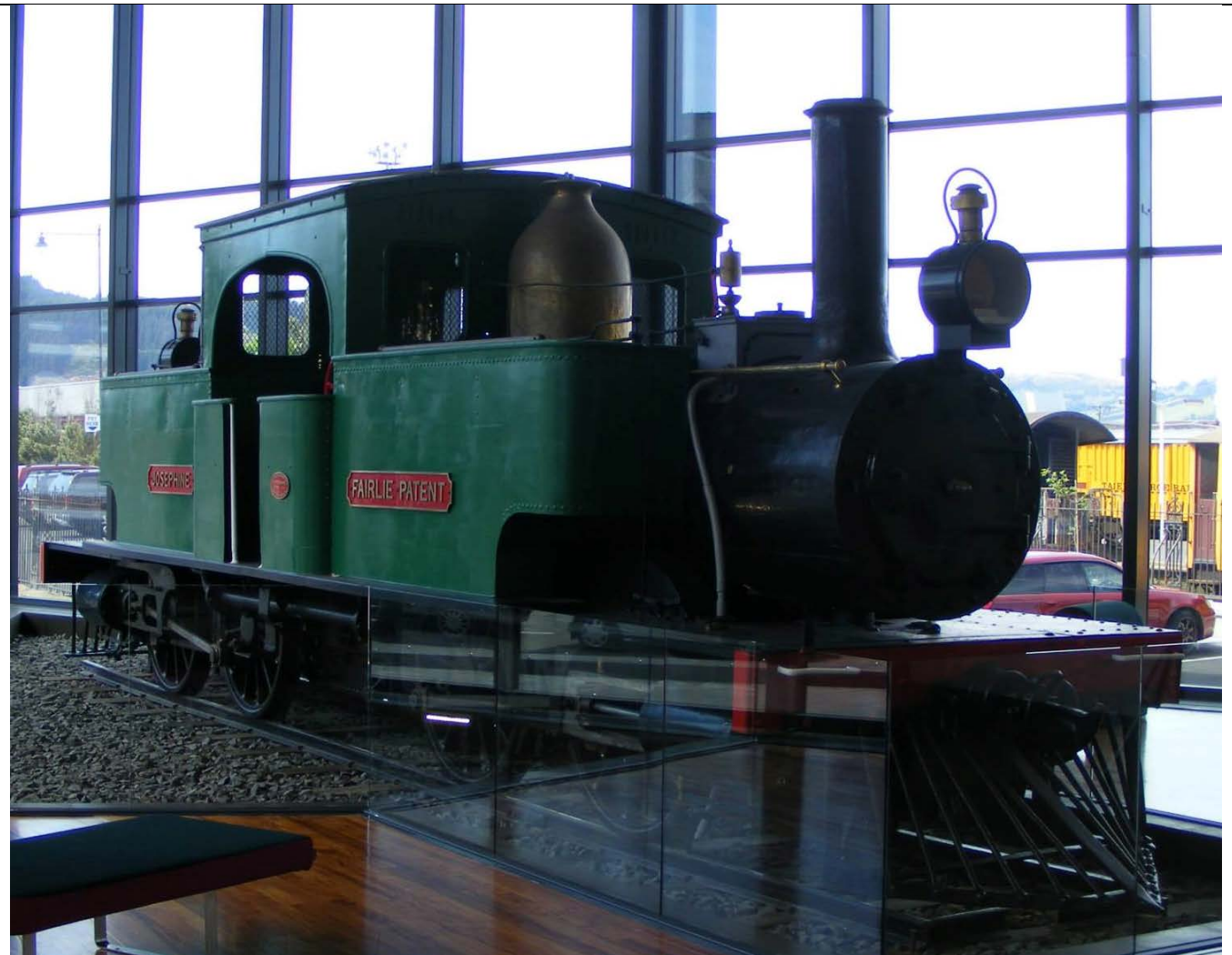
*Figure 5 Beaumont 1914*

Otago Rolling Mills  
1917-1924

Otago Early Settlers Museum  
1925 – to present

Notable features:

- The Avonside E cab
- The whistle mounted at the front of the boiler
- Josephine plate



Year	Number/Name	Railway Company /NZR Section
1872	Rose (1) and Josephine (2)	Dunedin and Port Chalmers Railway Company
1873	Rose (6) and Josephine (7)	Otago Railways
1877	Rose (E27) and Josephine (E26)	Hurunui-Bluff Section
1879	Rose written off	Hurunui-Bluff Section
1883	Josephine (E24)	Wanganui Section
1890	Josephine (E175)	Wanganui Section
1899	Josephine (E504) Sold	PWD Wanganui
1901	Josephine (E504)	PWD Otago Central Railway
1903	Josephine (E504)	PWD NIMT
1909	Josephine (E504)	PWD Midland line Broken river section
1913	Josephine (E504)	PWD Roxburgh Branch
1917	Written off sold	Otago Rolling Mills
1925	Reconditioned for the south seas exhibition in 1925 and gifted	Otago Early Settlers Museum