

Organization of German
Technical Troops
1870-1871

36 Feld Pioneer Companies

5 officers
1 Physician
212 Men
17 Horses
1 Officer's Wagon
1 Tool Wagon
1 Powder Wagon

33 Fortress Pioneer Companies

4 officers
1 Physician
200 Men

12 Independent Pontoon Columns

2 Engineer officers
63 Pioneers
3 Train Officers
1 Physician
1 Paymaster
158 Men
277 Horses
41 Pontoon & equipment wagons

12 Light Field Trains

2 Train Officers
51 Men
97 Horses
13 Wagons with 58 meters of bridging

12 Entrenching Columns

18 Men
30 Horses
6 Wagons with 1200 spades, 300 maddocks, & 180 axes

7 Field Telegraph Battalions

Telegraph Detachment
3 Engineer Officers
1 Physician
1 Field Telegraph Inspector
6 Field Telegraph Secretaries

101 Pioneers

Telegraph Train Column

1 Train Officer
34 Men

Horses & Equipment

82 Horses
12 Wagons

5 Base Telegraph Battalions

Telegraph Detachment:

- 1 Engineering Officer
- 2 Telegraph Inspectors
- 10 Telegraph Secretaries
- 41 Pioneers & train soldiers
- 24 Telegraph workers

Telegraph Train Column

- 1 Train Officer
- 46 Men

Horses & Equipment:

- 139 Horses
- 16 Wagons

5 Field Railroad Battalions

Railroad Company:

- 3 Infantry Officers
- 1 Engineer Officer
- 186 Men, including 75 Pioneers
- 16 Horses
- 2 Wagons

Technical Railroad Personnel:

- 1 Battalion Chief
- 19 Officials
- 24 Workers

Assisting Corps:

Indeterminant

Torpedo Detachments

Immobile:

- 5 Engineering & naval officers
- 80 Pioneers
- 10 Sailors

Mobile:

- 2 Engineering Officers
- 1 Physician
- 55 Pioneers
- 27 Sailors
- 5 Horses
- 1 Wagon

Airship Detachment

- 2 Engineering Officers
- 42 Pioneers

Field Photographic Detachment

- 2 Engineering Officers
- 11 Pioneers

Bavarian Technical Forces:

2 Field Engineer Divisions

(Staff, 3 engineering companies & 1 field telegraph det)
18 Officers
1 Physician

703 men
2 bridging trains with 15 wagons ea
2 Pioneer Equipages with 4 wagons ea
1 Telegraphi equipage with 3 wagons

1 Fortress Engineering Division
(Staff & 2 Fortress Engineer Companies)

12 Officers
1 Physician
476 men
155 horses
2 Pioneer Equipages with 4 wagons ea
2 Miner Equipages with 1 wagon ea
2 Sapper Equipages with 1 wagon ea
2 Field Forges

1 Fortress Engineer Company

4 Officers
194 Men
3 Horses
1 Wagon

1 Base Engineer company

5 Officers
167 Men
52 Horses
5 Wagons

1 Base Telegraph Battalion

2 Officers
62 Men
12 Horses
2 Wagons

1 Railraod Battalion

Railroad Company:
4 Engineering Officers
181 Men
60 Horses
1 Railroad equipage wagon

Technical Railroad Personnel:

1 Director
17 Officials & Railroad Master

Saxon: (organized same as Prussians)

3 Field Pioneer Companies
1 Pontoon Column
1 Light Field bridge Train
1 Entrenching Column

Wurttemberg:

Pioneer Corps
(1 Pioneer Company, 1 Sapper Company, 1 Engrenching Column
and 1 Bridging Train)
12 Officers

415 Men
170 Horses
31 Wagons

Field Telegraph Battalion
2 Officers
1 Telegraph Inspector
6 Telegraphists
40 Men
31 Horses
5 Wagons

Fortress Engineering Company
5 Officers
165 Men
8 Horses
1 Wagon

Baden (organized same as Prussians)
1 Field Pioneer Company
1/2 Pontoon Column
1 Light Bridging Train
2/3 Entrenching Column
1 fortress Pioneer Company

Hessian

Pioneer Company with Light Bridging Train
5 Officers
1 Physician
211 Men
107 Horses
18 Wagons, including 12 for bridging train

Gocke, A., Die Thätigkeit der deutschen Ingenieure und technischen Truppen im deutsch-französischen Kriege 1870-1871, E.S. Mittler und Sohn, Berlin, 1872