

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
  - Telegarph 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 Physican

- 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 detusch-französischen Kriege 1870-1871, E.S. Mittler und Sohn, Berlin, 1872