

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