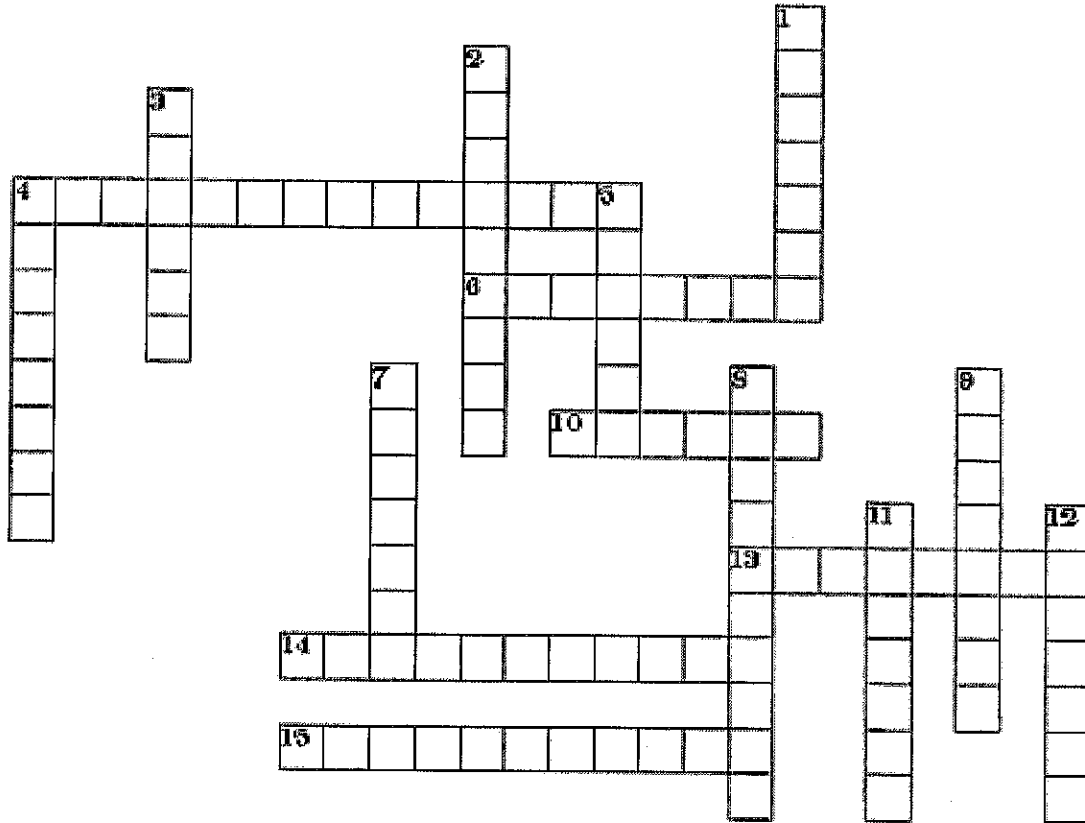


# Railroad Workers - Part 1: Crossword Puzzle

Building a railroad was not an easy task. It took a lot of hard work and skill. Railroad workers worked long hours on tedious jobs which were often very dangerous. They also had to remain healthy despite the long hard days.

**Directions:** Use the clues to match the job descriptions with the railroading job title to complete the crossword puzzle.



## **Job Descriptions - Across**

4. Build bridges over rivers and canyons
6. Measures the distance between the surveyor and the rodman
10. Uses picks, dynamite and shovels to smooth the roadbed
13. Drives the train
14. Bounces on shovel handles to pry up ties to make the rails level
15. Hauls supplies to the construction site

## **Job Descriptions - Down**

1. Sends messages between the surveyor and the rodman by waving a flag
2. Takes tickets, solves problems and relays information to the engineer
3. Holds a pole so the surveyor can measure the slope of the land
4. Connects and disconnects the cars and sets the brakes
5. Drives the spikes into the ties to hold the tracks in place
7. Feeds the firebox with wood or coal
8. Carries gallons of tea to the Chinese workers in empty powder kegs
9. Charts the flattest, safest route for the tracks
11. Cuts trees in the mountains for railroad ties
12. Carries and lowers 560 pound rails

## **Job List**

Surveyor  
 Rodman  
 Flagman  
 Chainman  
 Grader  
 Bridge builders  
 Tie-hack  
 Mule-whacker  
 Iron-man  
 Spiker  
 Gandy-dancer  
 Tea-bearers  
 Conductor  
 Brakeman  
 Fireman  
 Engineer

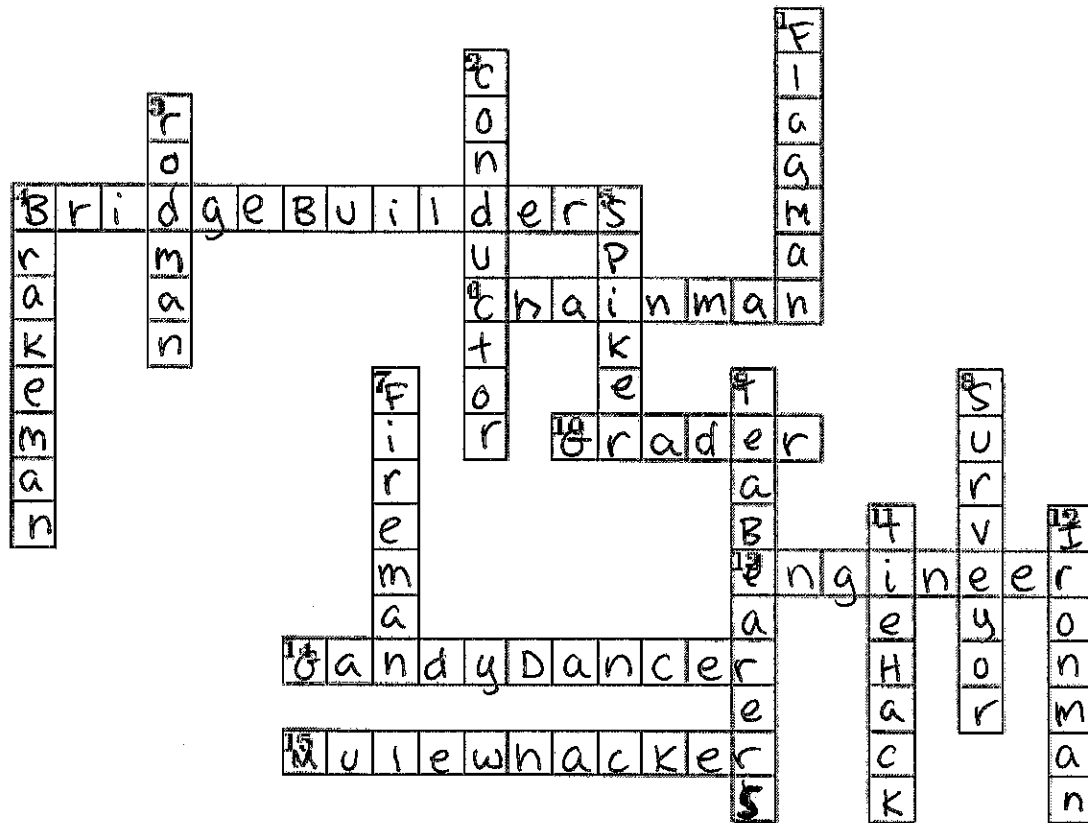


# ANSWER KEY

## Railroad Workers - Part 1: Crossword Puzzle

Building a railroad was not an easy task. It took a lot of hard work and skill. Railroad workers worked long hours on tedious jobs which were often very dangerous. They also had to remain healthy despite the long hard days.

**Directions:** Use the clues to match the job descriptions with the railroading job title to complete the crossword puzzle.



### Job Descriptions - Across

4. Build bridges over rivers and canyons
6. Measures the distance between the surveyor and the rodman
10. Uses picks, dynamite and shovels to smooth the roadbed
13. Drives the train
14. Bounces on shovel handles to pry up ties to make the rails level
15. Hauls supplies to the construction site

### Job Descriptions - Down

1. Sends messages between the surveyor and the rodman by waving a flag
2. Takes tickets, solves problems and relays information to the engineer
3. Holds a pole so the surveyor can measure the slope of the land
4. Connects and disconnects the cars and sets the brakes
5. Drives the spikes into the ties to hold the tracks in place
7. Feeds the firebox with wood or coal
8. Carries gallons of tea to the Chinese workers in empty powder kegs
9. Charts the flattest, safest route for the tracks
11. Cuts trees in the mountains for railroad ties
12. Carries and lowers 560 pound rails

### Job List

- Surveyor
- Rodman
- Flagman
- Chainman
- Grader
- Bridge builders
- Tie-hack
- Mule-whacker
- Iron-man
- Spiker
- Gandy-dancer
- Tea-bearers
- Conductor
- Brakeman
- Fireman
- Engineer