

Pre-tour Information

## GRUBER WAGON WORKS

*The tour theme centers on the changing technology of rural transportation, particularly in Berks County, in the late 19th and early 20th centuries. Interpretation will focus on the transition from a single craftsman to a true factory production reflecting the changing technology of the time.*

### MAIN IDEAS

1. Overview of the process of wagon building with a few detailed discussions of pivotal tools and machines.
2. Discuss the importance of the Gruber family on the operation of the business
3. Explanation of the relocation and restoration of this building.

### TOUR OUTLINE

- Introductory slide program
- Gruber Wagon Works
- Canal Center
- Houseboat
- Covered Bridge
- Herb Garden (*as time permits*)
- Other (*as time permits*)

### VOCABULARY

Since our tours often introduce words that aren't familiar to the children, we suggest that you go over the meaning of the following words with your class before you come.

**hub**

**felloe**

**spoke**

**wheelwright**

**blacksmith**

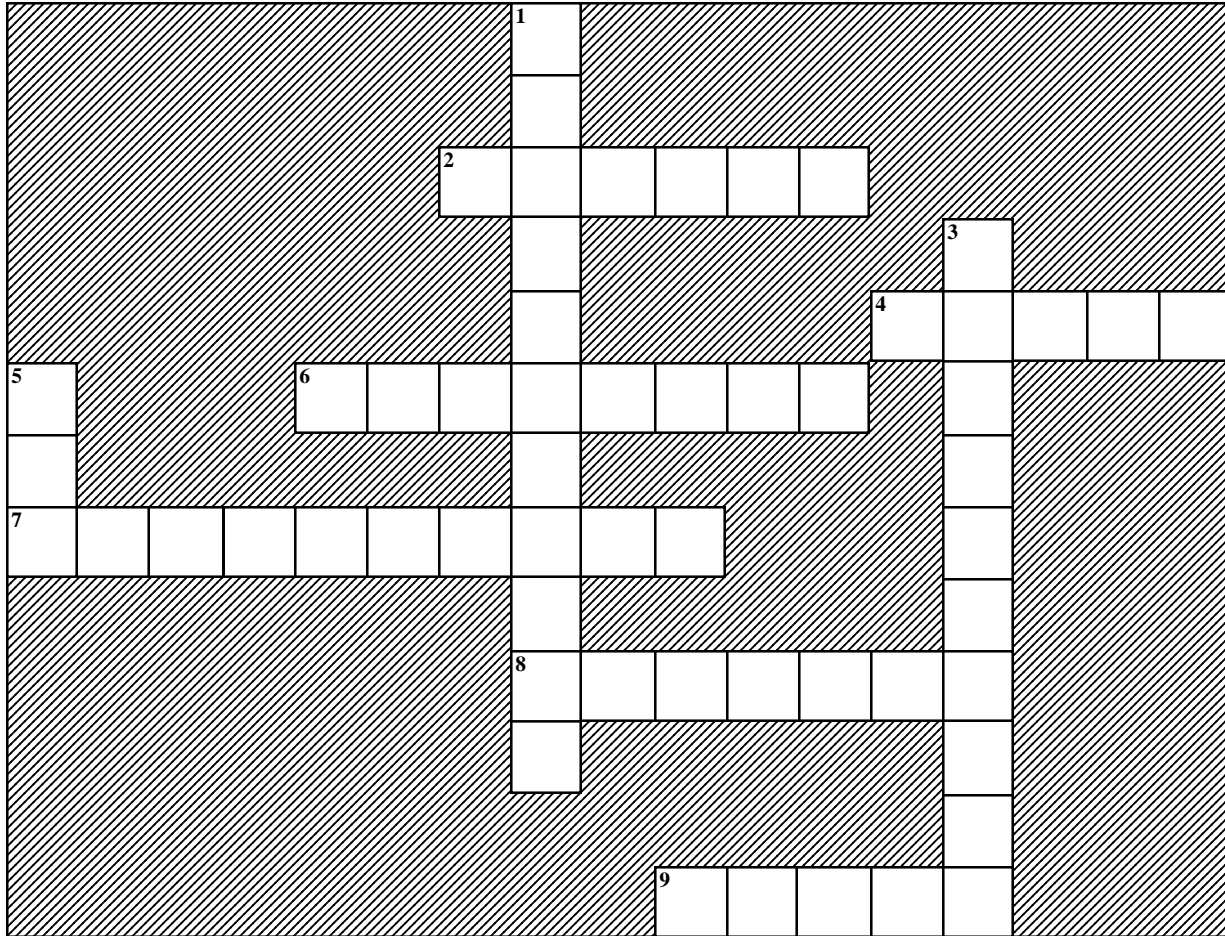
**box wagon**

**apprentice**

**hayflat**

## VOCABULARY - Gruber Wagon Works

<b>hub</b>	the center part of a wheel
<b>spoke</b>	a shaped piece of wood extending from the hub to the rim (felloe) of the wheel
<b>felloe</b>	the wooden rim of a spoked wheel
<b>wheelwright</b>	a person who makes and repairs wheels and wheeled vehicles
<b>blacksmith</b>	a man who works, repairs and shapes iron with a forge, anvil, hammer
<b>forge</b>	a place where iron is heated before being hammered and shaped
<b>apprentice</b>	a person who works with a master craftsman for a specified length of time in return for instruction in that trade or craft
<b>hayflat</b>	a slope-sided wagon used to carry farm products
<b>box wagon</b>	a box-like wagon capable of carrying loads 1-1 / 2 - 6 tons

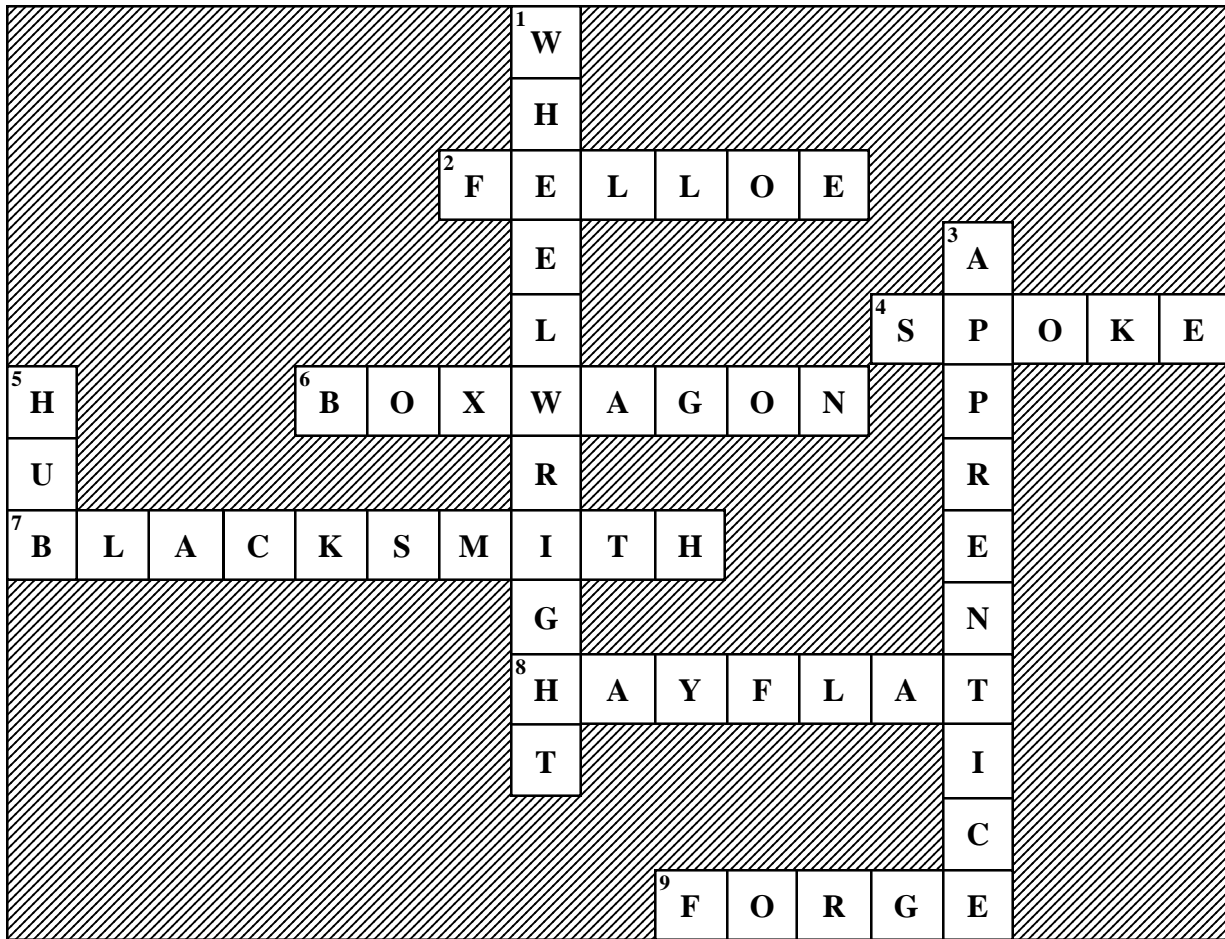


**DOWN**

**ACROSS**

1. A person who makes and repairs wheels and wheeled vehicles.
3. A person who works with a master craftsman for a specified length of time in return for instruction in that trade or craft.
5. The center part of a wheel.

2. The wooden rim of a spoked wheel.
4. A shaped piece of wood extending from the hub to the rim of the wheel.
6. A box-like wagon capable of carrying loads 1-1 / 2 - 6 tons.
7. A man who works, repairs and shapes iron with a forge, anvil, hammer.
8. A slope-sided wagon used to carry farm products.
9. A place where iron is heated before being hammered and shaped.



**DOWN**

**ACROSS**

1. A person who makes and repairs wheels and wheeled vehicles.
3. A person who works with a master craftsman for a specified length of time in return for instruction in that trade or craft.
5. The center part of a wheel.

2. The wooden rim of a spoked wheel.
4. A shaped piece of wood extending from the hub to the rim of the wheel.
6. A box-like wagon capable of carrying loads 1-1 / 2 - 6 tons.
7. A man who works, repairs and shapes iron with a forge, anvil, hammer.
8. A slope-sided wagon used to carry farm products.
9. A place where iron is heated before being hammered and shaped.