



This booklet belongs to

Welcome!

Welcome to the Beckley Furnace Industrial Monument. This structure was part of a large ironworks, where workers produced pig iron. Today, the large furnace stack is what remains of the complex.

You can complete this booklet by yourself or with an adult. If you get stuck, you can ask the Friends of the Beckley Furnace for help. If you have any questions, you can ask us in person or email us at

info@beckleyfurnace.org

Key Words

What do each of these words mean? Why are they important? You can learn what they are using the park's signs, the internet, or asking a Friends of the Beckley Furnace member for help.

Blast Furnace: _____

Hot Blast: _____

Charcoal: _____

Iron Ore: _____

Stockbridge Marble: _____

Crucible: _____

Word Search

See if you can find the words from the word bank. What was the role of each object in iron production?

H	W	M	E	P	B	E	C	K	L	E	Y	I	C	B
J	E	P	W	Q	L	V	W	A	B	J	R	C	W	X
H	B	A	C	W	A	P	V	G	C	S	Y	Z	O	W
V	X	H	X	D	C	H	Z	Q	E	E	L	W	F	A
U	W	W	B	K	K	Y	E	L	V	G	W	A	H	I
E	Q	T	U	R	B	I	N	E	P	B	R	E	G	R
J	Y	C	Q	X	E	Y	D	A	R	U	V	E	I	O
K	R	J	Q	M	R	N	M	H	R	W	J	Y	Y	N
F	W	P	W	E	R	F	W	I	P	D	U	M	Y	M
I	R	U	C	M	Y	V	C	R	K	Z	Y	X	N	A
N	R	N	Y	U	R	P	W	O	G	C	I	U	O	S
O	B	P	I	G	I	R	O	N	A	H	B	N	E	T
U	E	X	J	K	V	F	L	O	Q	L	B	C	R	E
H	Z	C	I	S	E	B	U	R	B	W	Y	W	H	R
X	A	V	W	U	R	B	N	E	I	O	F	A	B	O

Word Bank

Ironmaster

Slag

Pig Iron

Coal

Blackberry River

Beckley

Turbine

Iron Ore

Word Scramble

Try to unscramble the words below. What do each of these words mean? Why are they important to Beckley Furnace?

AAESDARLNM: _____

Hint: this was the result of ironmaking going wrong.

RHALCCAO IPT: _____

Hint: this created fuel for the furnace.

CCLRIEBU: _____

Hint: this was the bottom of the furnace.

UEYRTE CAHR: _____

Hint: this is an architectural feature.

OHT LATBS: _____

Hint: this is the method that powered the furnace.

DSNA DMLO: _____

Hint: this was used to give pig iron its signature shape.

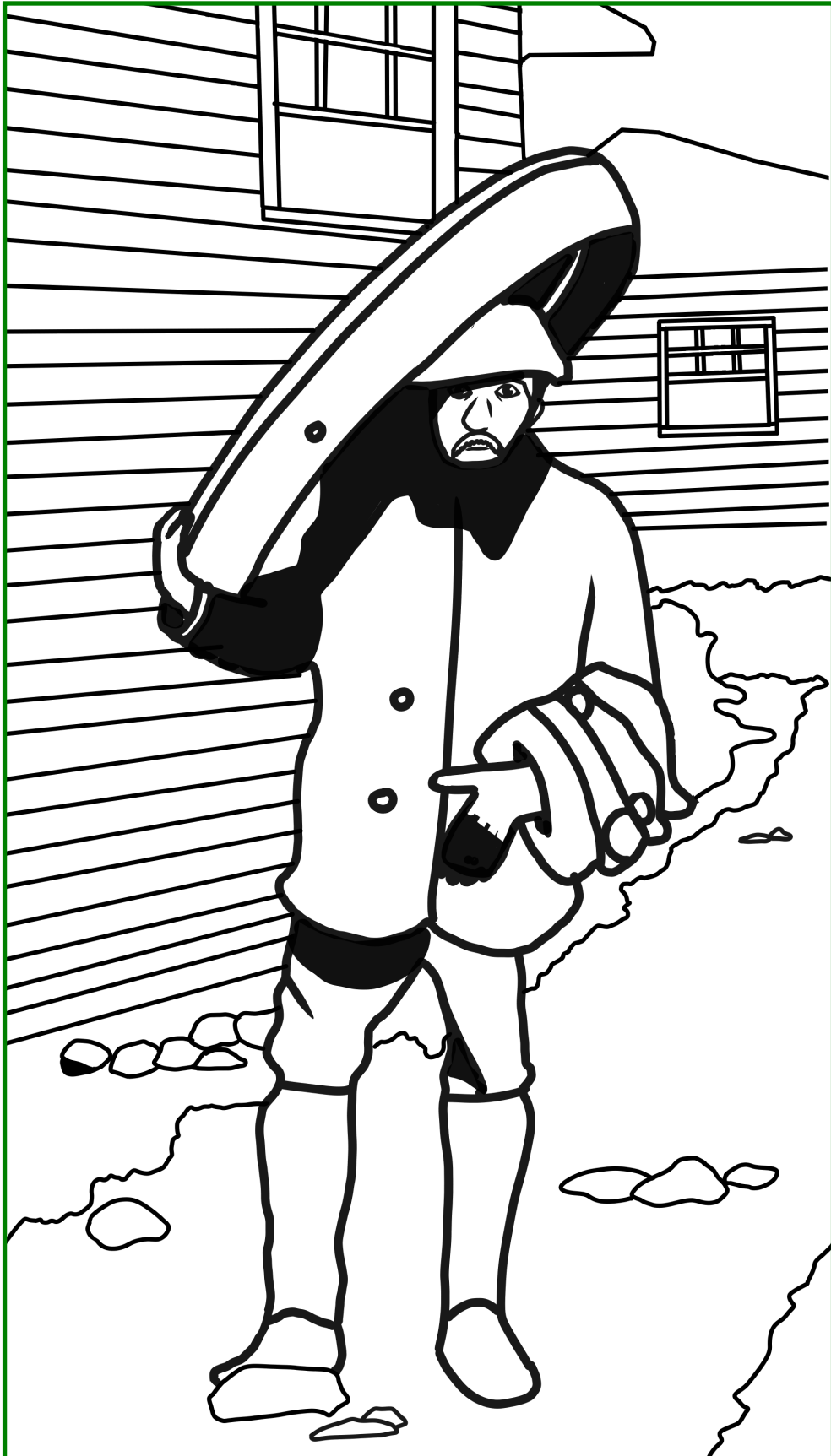
Scavenger Hunt

Find and label each object pictured below. Why are they important? If you get stuck, ask a Friend of the Beckley Furnace.



Coloring Page

Color this picture of a worker moving a rail car wheel. Do you think you could move these all day?



Connect the Dots

Connect the dots in order from 1 to 18. What is in the picture below?



Question and Answer

See how many questions you can find the answers to. You can find the answers on the signs, on the Beckley Furnace's website, or by asking the Friends of the Beckley Furnace.

What is iron used for? _____

What is pig iron? _____

Where does iron come from? _____

What fuels the furnace? _____

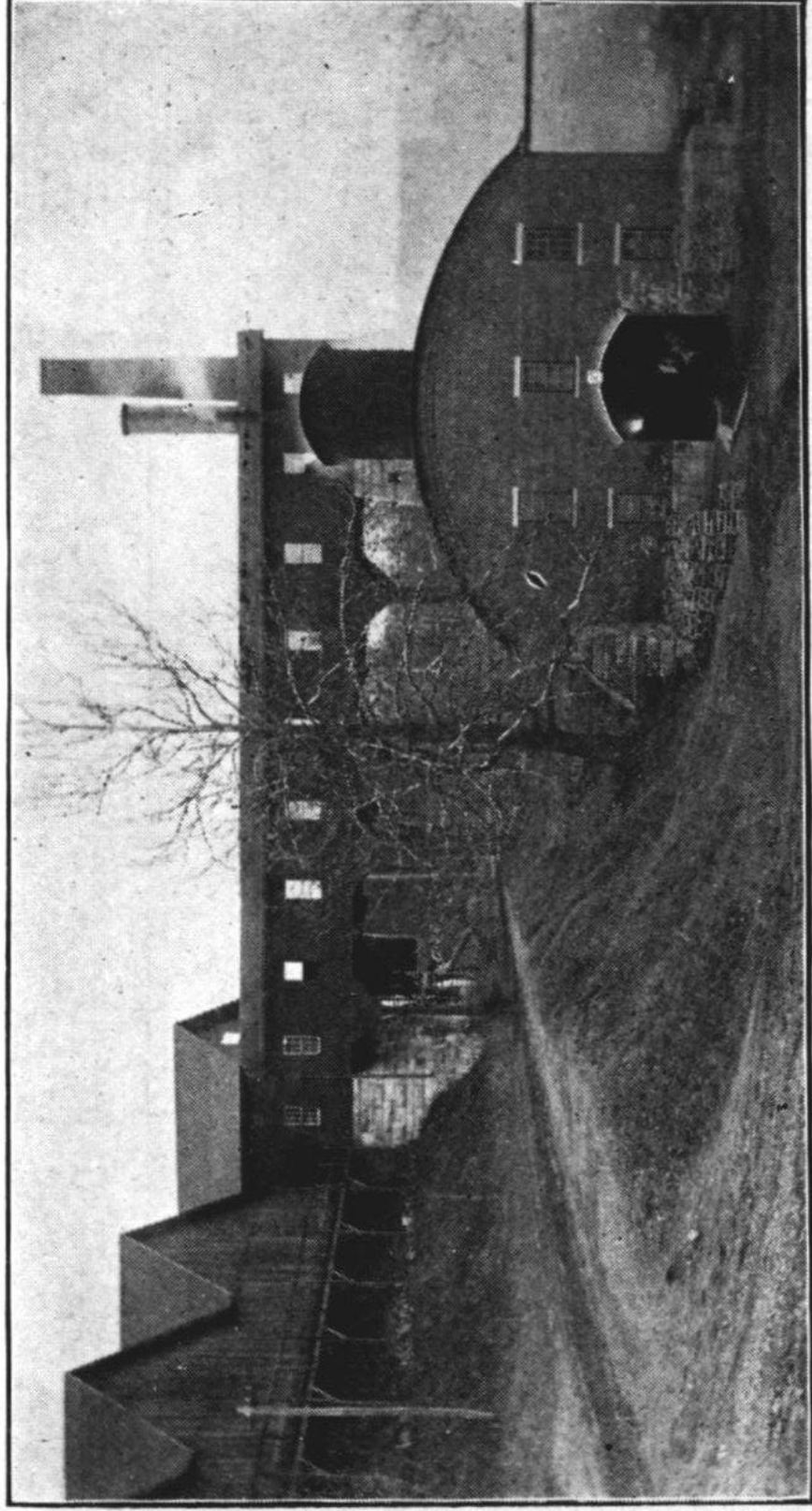
What does a turbine do? _____

What was it like to work at
a furnace like this one? _____

Who is the Beckley
Furnace named after? _____

Find the Furnace Stack

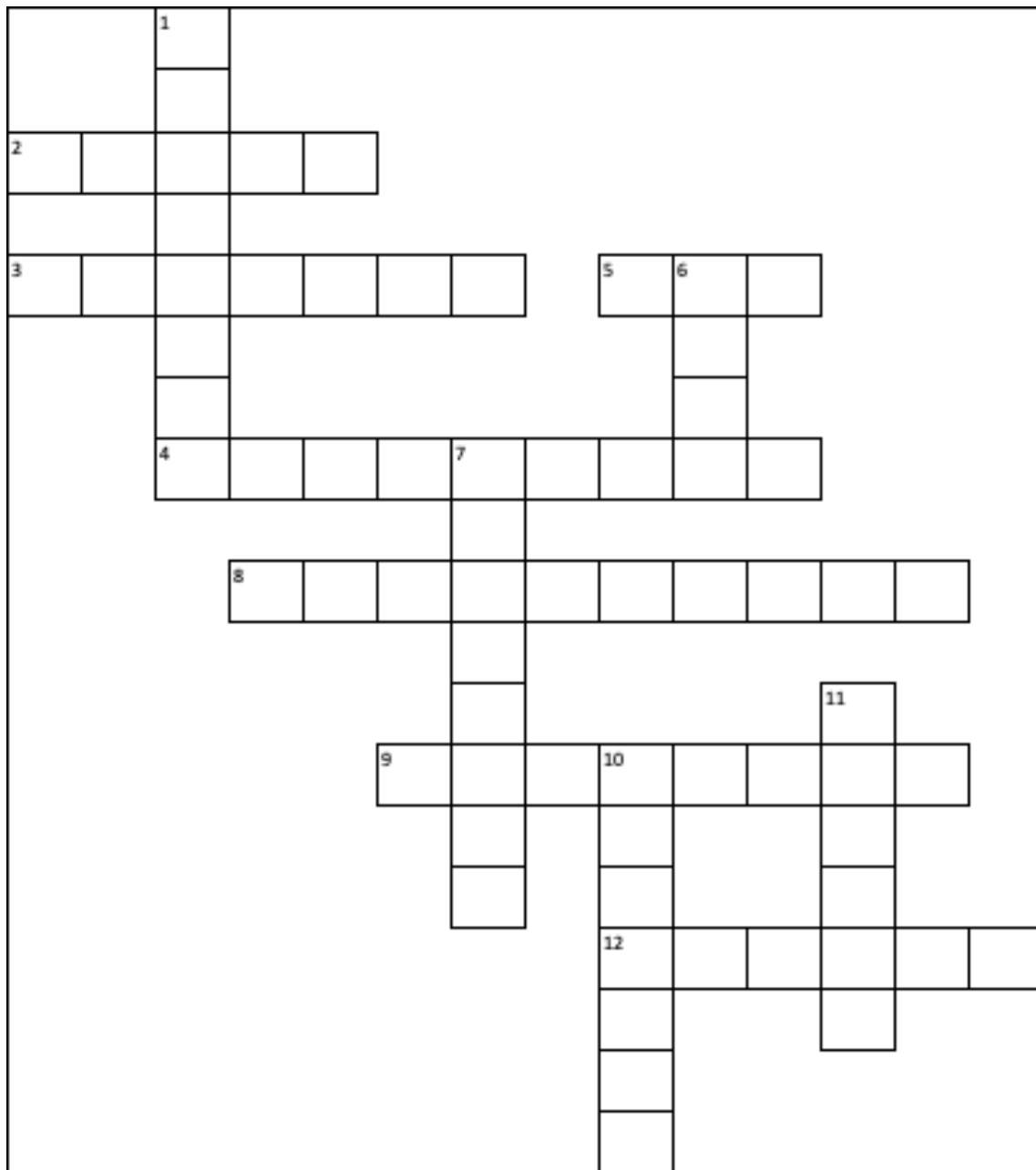
Circle the current remains of the furnace. Why do you think the stack is still here, but the other structures are not?



BARNUM, RICHARDSON CO.'S IRON FURNACE, EAST CANAAN.

Destroyed by fire April 15, 1896.

Crossword Puzzle



Across

- 2 A type of furnace used for smelting to produce pig iron
 3 The owner of the furnace for most of its active life
 4 A type of sedimentary rock made from the accumulation of corals and shells in the sea
 5 A domestic farm animal also known as swine
 8 An amphibian characterized by its lizard-like appearance.
 9 A mythical Roman hero famous for his strength and numerous far-ranging adventures.
 12 A pipe allowing the blowing of air into a furnace

Down

- 1 A lightweight black carbon residue produced by heating wood
 6 The most common element on Earth, forming much of Earth's outer and inner core.
 7 A hill or area of refuse from an industrial site
 10 The throwing of a fishing line by means of a rod and reel
 11 A turbine characterized by a series of 12 gates around the periphery of the case.

Connect Words to Picture

Blast Furnace



Salamander



Hercules Turbine



Leffel Turbine



Office Building



Slag Heap





Booklet Courtesy of Friends of Beckley Furnace

Connecticut's Industrial Monument

<https://beckleyfurnace.org>

info@beckleyfurnace.org

FOBF, Inc

PO Box 383

East Canaan, CT 06024

