

# TASK LIST

1. CHECK-IN and copy tonight's homework.
2. THINK:
  - What country industrialized first?
  - In what industry did the revolution begin?
  - What are the four categories of revolutions that occurred within the Industrial Revolution?

# OBJECTIVES

- Review the inventions that transformed the way goods were produced in the U.S.

# HOMEWORK

- Read and take notes on:
  - 12.2 - due Thurs, Mar 5
  - 12.3 & 12.4 - due Mon, Mar 9
- Northern Economy Test - Tues, Mar 10
- Read and take notes on:
  - 13.1 & 13.2 - due Wed, Mar 11
  - 13.3 - due Thurs, Mar 12
- Southern Economy Test - Fri, Mar 13



# TEXTILE REVOLUTION

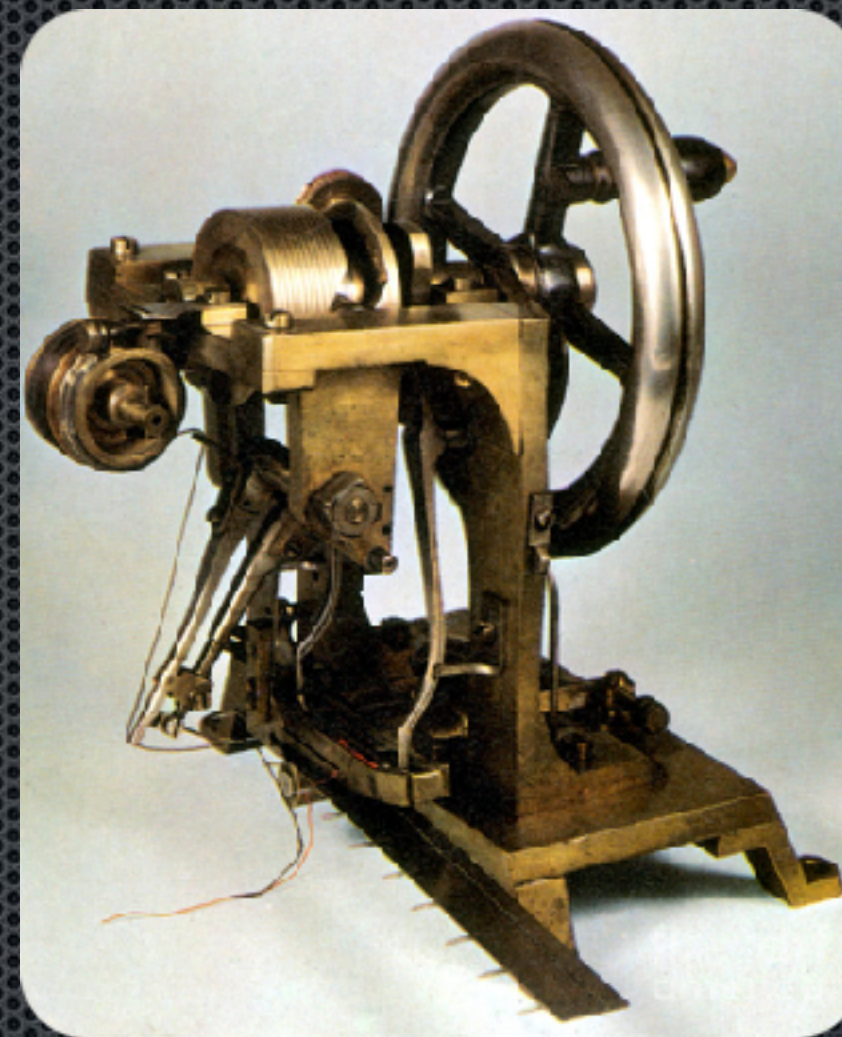
Water  
Frame

Richard Arkwright

TEXTILE  
Revolution

- Powered by water
- Produced dozens of cotton threads at the same time

- Lowered the cost of cotton cloth
- Textile mills were built by rivers



Sewing  
Machine

Elias Howe / Isaac Singer

TEXTILE  
Revolution

- Repaired cloth and clothes
- Replaced hand sewing

- One hand-sewn shirt required 14 hours compared to 1 hour
- Women have more leisure time = reforms!

# TRANSPORTATION REVOLUTION

Steamboat

Robert Fulton

TRANSPORTATION  
Revolution

- Powered by steam, not wind power
- Could travel upstream

- Allowed goods, people, and information to travel rapidly
- Increased trade and profits

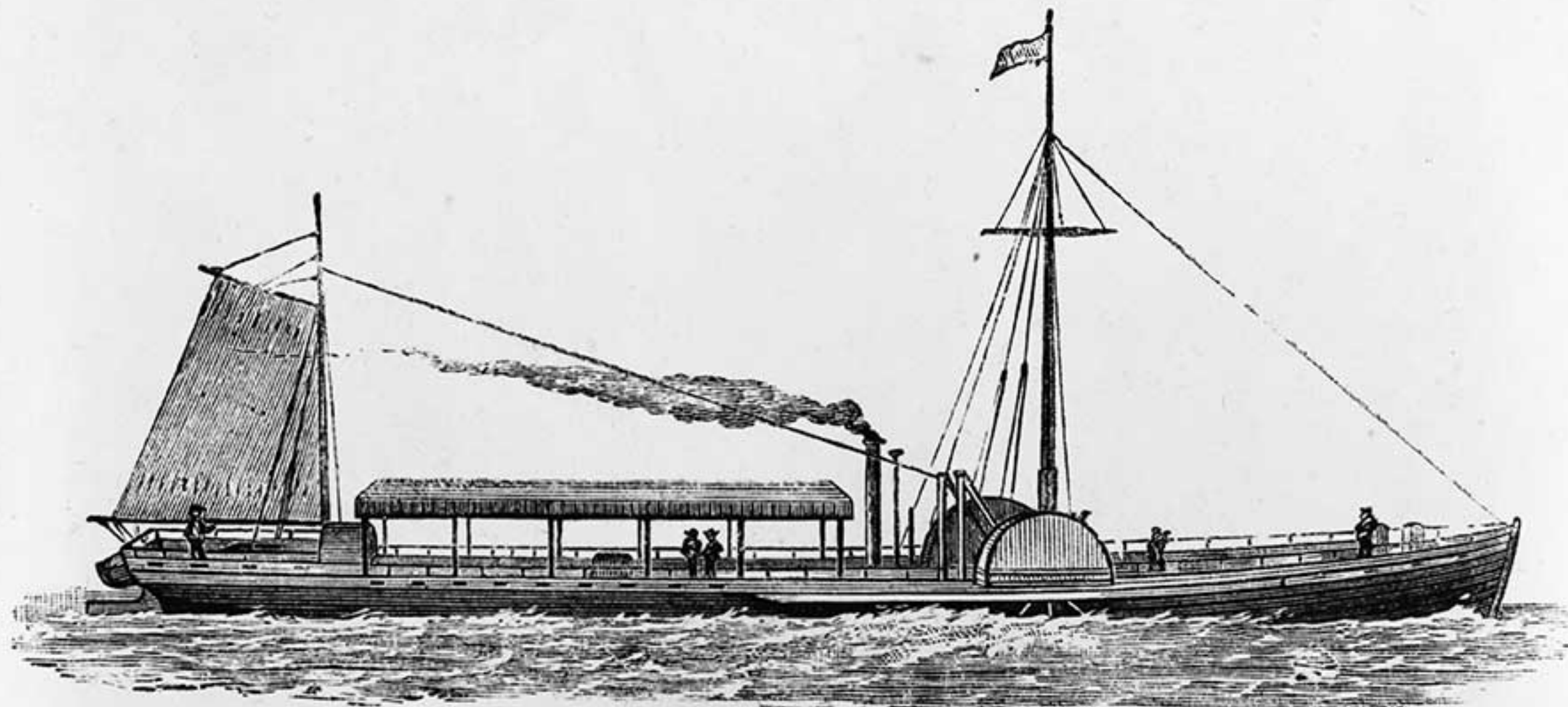
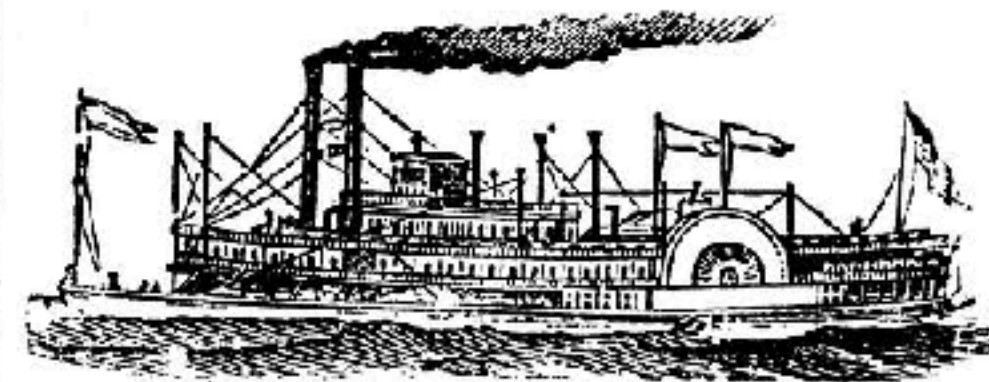


FIG. 49.—THE "CLERMONT," 1807.

Average speed: 4.5 mph  
146 feet long, 12 feet wide  
24 horsepower engine

## STEAMERS



### FLEETWOOD and BOSTONA.

Chesapeake and Ohio Rail-  
road Packets.

Daily at 4 P. M. from Wharfboat  
foot of Main Street.

Connecting at Huntington with pas-  
senger trains for all points in Kanawha  
Valley, White Sulphur Springs, Rich-  
mond, Norfolk, Baltimore, Washington,  
New York, Charleston, S. C., Savannah,  
Agusta, and all points East and South-  
west.

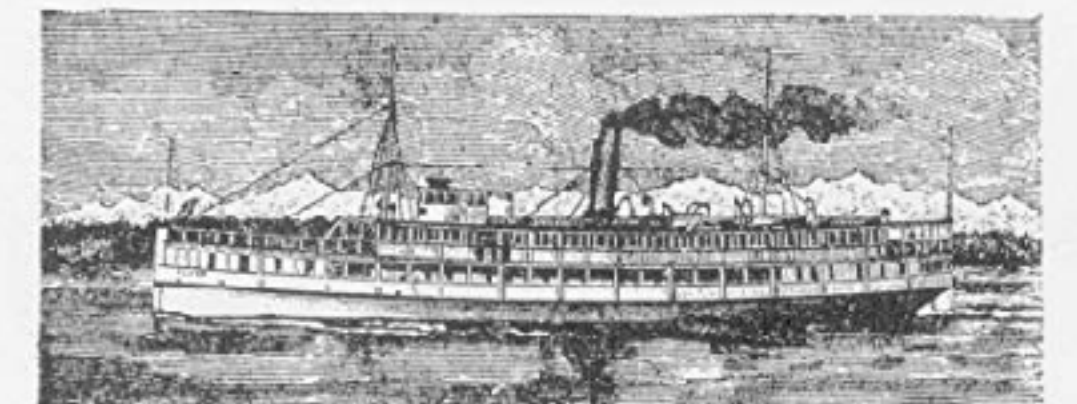
Tickets sold at 171 Walnut street,  
Gibson House, on board Steamers, and  
at Company's Office.

WASH HONSHELL, Supt.

T. N. JOHNSON, Sec.

L. B. SEELEY, President and General Manager, Portland, Ore.  
S. H. BROWN, Jr., Vice-President, Boston, Mass.  
E. W. CRICHTON, Secretary and Treasurer, Portland, Ore.  
URI SEELEY, Agent, Seattle, Wash.

## Columbia River and Puget Sound Navigation Company



FAST STEAMER

## FLYER

BETWEEN SEATTLE AND TACOMA

FLY ON THE FLYER

SEATTLE TO TACOMA, ONE HOUR AND TWENTY-FIVE MINUTES

LANDINGS:

N. P. Wharf, Tacoma; Flyer Dock, Seattle

# TRANSPORTATION REVOLUTION

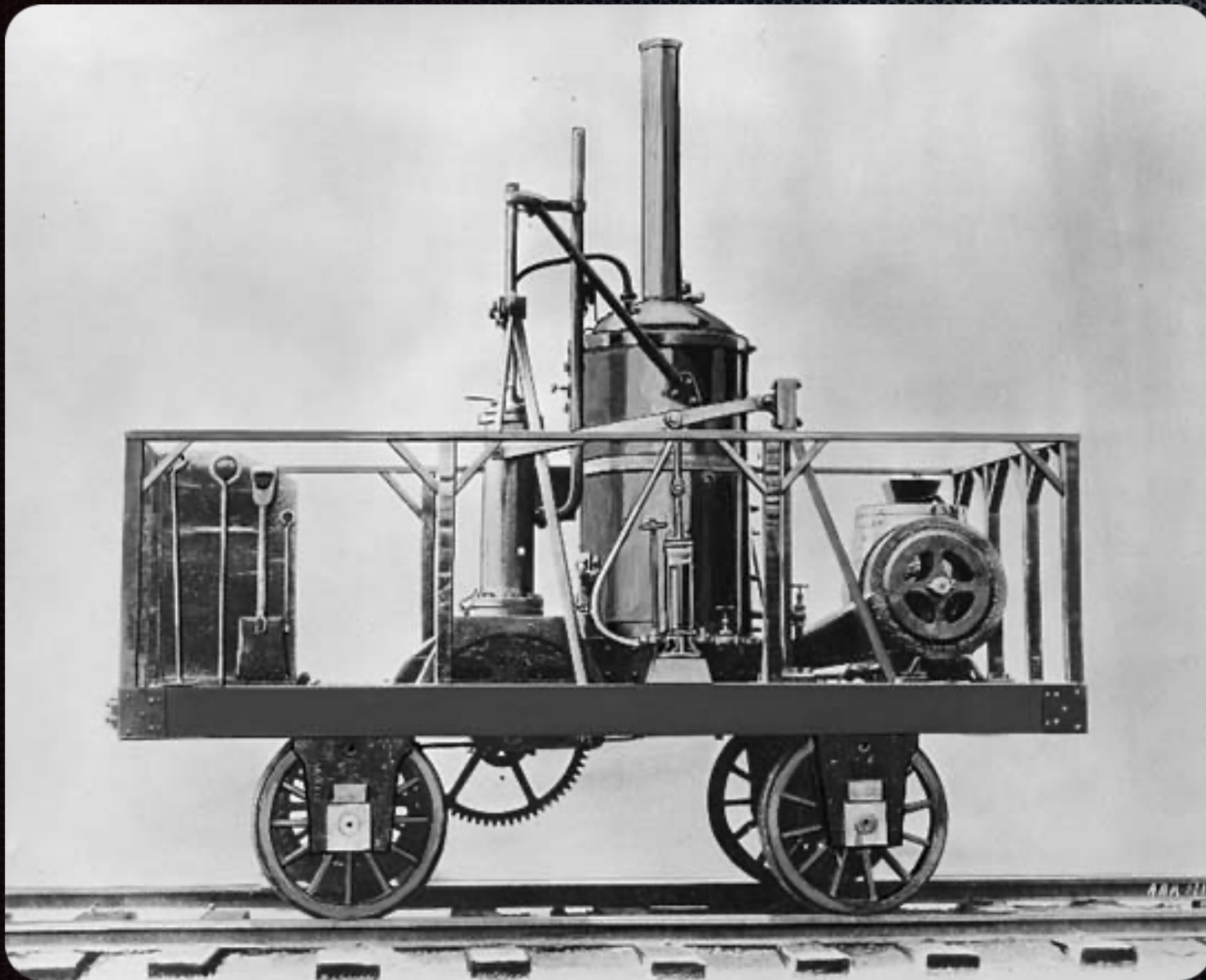
Locomotive

Peter Cooper

TRANSPORTATION  
Revolution

- Powered by steam
- Fastest form of transportation
- Could travel longer distances

- Tied towns together
- Expanded the nation's borders
- Led to the formation of cities!



Tom Thumb

“Hey, Mr. Cooper! How about a race?”  
called the driver of the horse train.

Mr. Cooper took off his high hat. “Gentlemen, I have an iron horse. We’ll match your speed and, perhaps, we’ll even do better!”

“Although the race is lost, steam has won,”  
said Mr. Cooper. “The iron horse will work  
better than the real horse.”

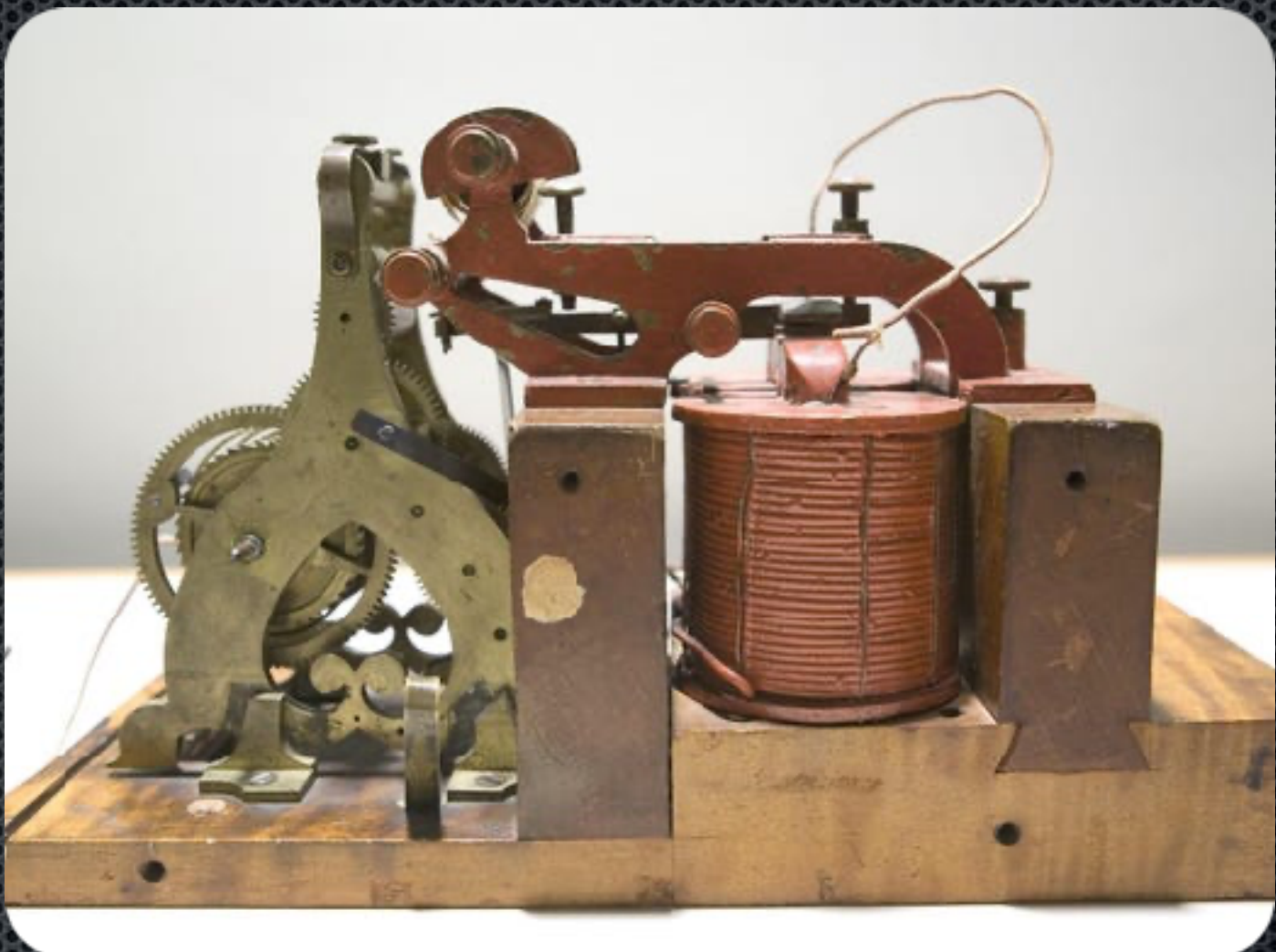
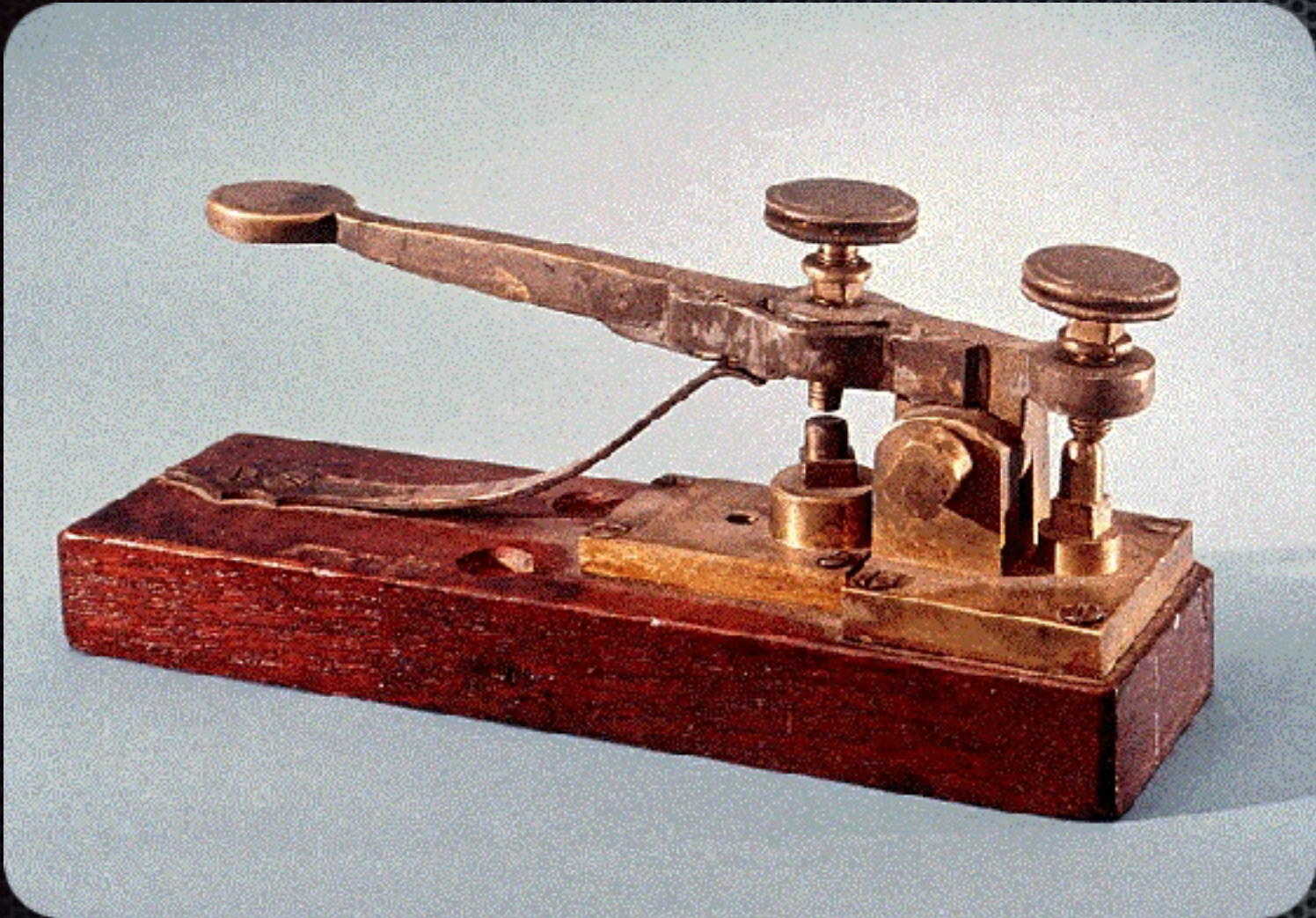


## TOM THUMB VS. THE HORSE

In 1974, B&O railroad recreated the race with a Tom Thumb replica...and the horse won again!

# COMMUNICATION REVOLUTION

Telegraph	Samuel Morse	<ul style="list-style-type: none"> <li>- Used electric currents to send messages over wires</li> <li>- Accompanies railroad tracks</li> </ul>	<ul style="list-style-type: none"> <li>- Informed cities of news across the country</li> <li>- Connected the nation using instant communication</li> </ul>
	COMMUNICATION Revolution		



International Morse Code

A	· -	N	- · -	1	- · - · - · -
B	- · · ·	O	- - - -	2	- · - · - · -
C	- · - · -	P	- · - · -	3	- · - · - · -
D	- · · -	Q	- · - - -	4	- · - · - · -
E	·	R	- · - · -	5	- · - · - · -
F	· - · -	S	- · - · -	6	- · - · - · -
G	- · - · -	T	- · -	7	- · - · - · -
H	· · · -	U	- · - · -	8	- · - · - · -
I	· ·	V	· - · - · -	9	- · - · - · -
J	· - - -	W	- · - - -	0	- - - - -
K	- · - · -	X	- · - · -		
L	· - · - · -	Y	- · - - -		
M	- -	Z	- · - · -		
					SOS

Morse Code	Alfred Lewis Vail	<ul style="list-style-type: none"> <li>- Used dots and dashes to communicate messages using the telegraph</li> </ul>	<ul style="list-style-type: none"> <li>- Informed cities of news across the country</li> <li>- Instant communication</li> </ul>
	COMMUNICATION Revolution		

# FARMING REVOLUTION

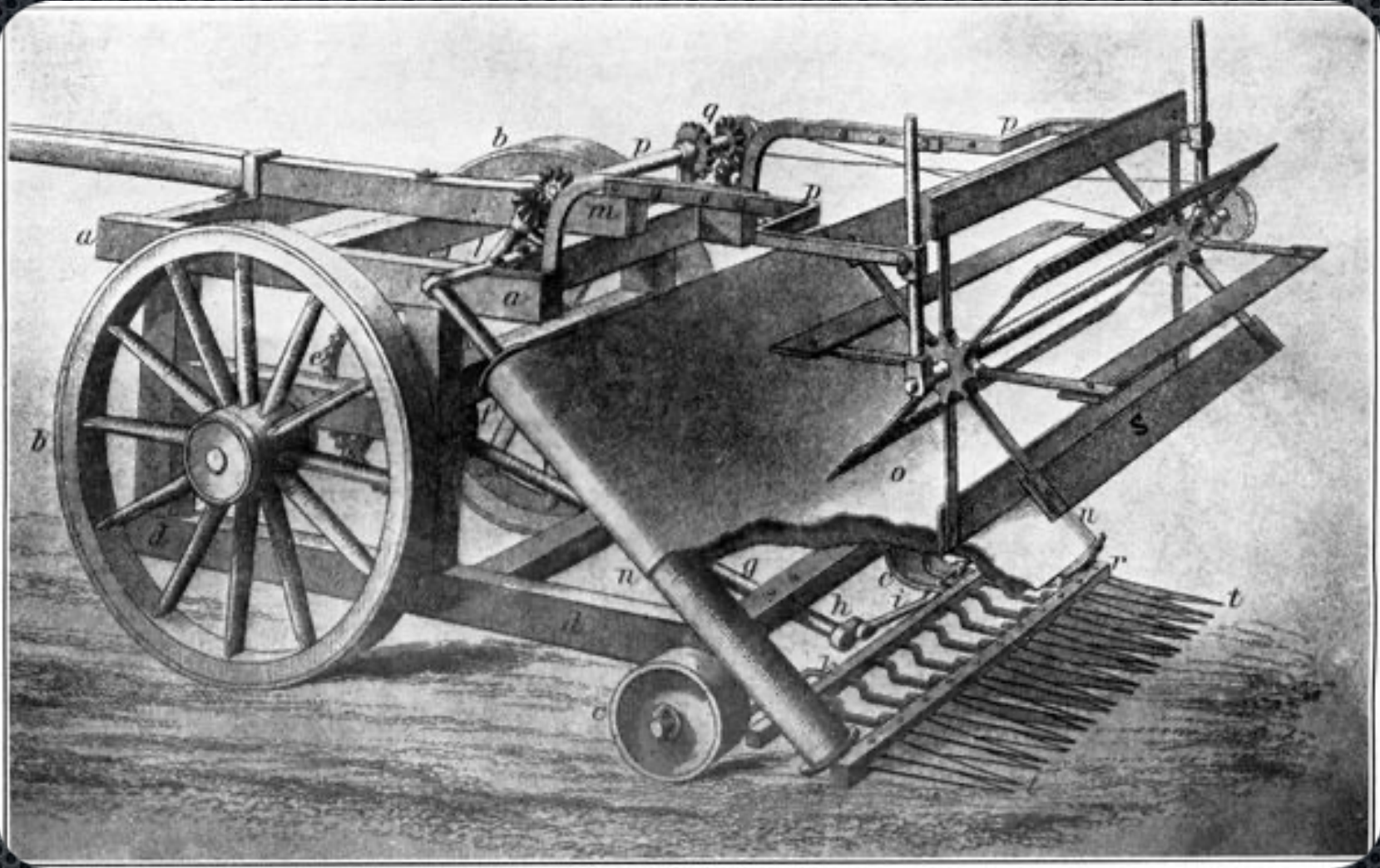
Steel Plow

John Deere

FARMING  
Revolution

- Plowed through thick soil
- Lightweight - replaced heavy iron plows

- Allowed midwestern farmers to plant and harvest larger crop fields



Mechanical  
Reaper

Cyrus McCormick

FARMING  
Revolution

- Cuts down wheat and other crops

- Allows farmers to plant and harvest larger crop fields

# FARMING REVOLUTION

Cotton Gin

Eli Whitney

FARMING  
Revolution

- Separated seeds from cotton
- Helped spread cotton production throughout the South

- Cotton production increases
- Slavery increases
- Heightens sectional tensions

