

Name: _____ Period: _____ Number: OD-_____

DIRECTIONS: Use your textbook pages 561-566 to fill in the following blanks using the words in this box.

Western Union Telegraph	Granville Woods	assembly line
Alexander Graham Bell	Thomas Edison	Henry Ford
Lewis Howard Latimer	Cyrus Field	power plant
Samuel F.B. Morse	telephone	typewriter
mass production	Atlantic Ocean	patents
	Europe	

Communication Changes

(1)_____ had introduced the telegraph in 1844. By 1860 the United States had thousands of mile of telegraph lines, mostly controlled by the (2)_____ . In 1866, (3)_____ managed to lay a telegraph cable across the (4)_____ , making it possible for messages to travel from (5)_____ to the United States in seconds. By 1876 (6)_____ had developed a device that transmitted speech –the (7)_____ . By the 1890s he had sold nearly 500,000 of these devices.

The Genius of Invention

Between 1860 and 1890, the government granted more than 40,000 (8)_____ for new inventions. Among inventions that helped businesses operate more efficiently were Christopher Shole's (9)_____ . (1868) and William Burroughs's adding machine (1888). (10)_____ developed the first practical lightbulb in 1879. In 1882 he built the first central electric (11)_____ in New York City. A number of African Americans contributed to the era of invention. (12)_____ , an engineer, developed an improved lightbulb filament.



(13)_____ developed automatic circuit breaker, and Elijah Mc Coy invented a mechanism for oiling machinery.

The Genius of Invention

In 1903 (14)_____ established an automaking company, and in 1908 he introduced the Model T. He also pioneered a new, less expensive way to manufacture cars - the (15)_____. (16)_____ of goods decreased manufacturing costs.