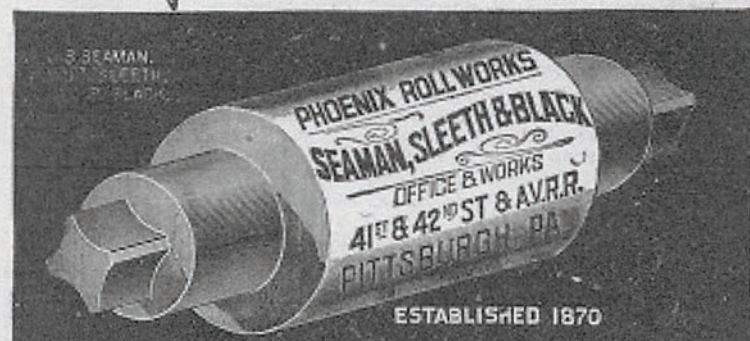


main factory contains three floors and a basement, fully equipped with the latest improved machinery, while there is a large iron foundry with two cupolas, and a brass foundry. Employment is given to 250 skilled hands. The leading specialties for which this firm is noted are iron and brass door locks, knobs of all kinds, padlocks and counter scales. These goods are made in all grades to suit the market, and every effort is made on the part of the management to preserve undimmed the untarnished name and exalted reputation of the house. Their locks and other specialties are directly salable to the best class of hardware dealers all over the United States, but the firm's principal trade is with the wholesale jobbers of the country, who buy in large quantities. Goods bearing the name of this firm are the standard of excellence everywhere. A corps of talented salesmen represent the interests of the house upon the road, and a catalogue of 217 pages is mailed to the trade on application. The individual members of the firm are Arthur Brittan, Glendy S. Graham and Philip Mathes. Mr. Brittan has been connected with the business for twenty-five years, and is now manager of the Northwestern department, with headquarters at No. 154 Lake Street, Chicago. Mr. Graham has been in the business some twenty years, and has the direction of affairs at the Pittsburgh office; while Mr. Mathes has charge of the works, and has been in the house for the past twelve years. These gentlemen bring to bear special qualifications for the business, and Pittsburgh's supremacy in commerce is dependent upon the existence of just such houses as theirs.

THE ONLY WORKS IN THE UNITED STATES MAKING
ROLLS AND PINIONS EXCLUSIVELY.

ROLLS



PINIONS

FOR ALL PURPOSES.

throughout is of the most complete and perfect character, including a new capacity; several swinging and travelling cranes; twenty-seven roll-turning lathes, and ample steam-power, and connections are made by switch with the entire railway system of the city. A force of 175 skilled workmen is constantly employed, and the output is one of great magnitude and value. The attention of rolling mill owners and iron and steel manufacturers generally is directed to the superior quality and uniform reliability of the rolls and pinions manufactured by this house. The firm are prepared to furnish them in quantities to suit at the shortest possible notice, under the fullest guarantee and at very moderate prices. They are in heavy and influential demand in all parts of the United States and Canada, and never fail to meet the needs and requirements of patrons under all circumstances. The members of the firm are Messrs. J. S. Seaman, Robt. Sleeth and George P. Black. Mr. Seaman came in as partner some twenty years ago, and is a director of the Pennsylvania National Bank. Mr. Sleeth has been in the house since 1867, and all are gentlemen of the highest repute in industrial and commercial circles.

The Phoenix Roll Works, owned and operated by Messrs. Seaman, Sleeth & Black, located at 41st and 42d Streets and Allegheny Valley Railroad, have achieved a national reputation for the superiority of their product, which is confined exclusively to rolls and pinions for iron and steel rolling mills. These are the largest works in the United States devoted to this branch of industry, and in their character and management form a striking example of industrial greatness. The business was founded in 1867, by Messrs. Ballman & Co., who were succeeded in turn by the firms of Ballman, Boyd & Bagley; Bagley, Young & Co.; and J. B. Young & Co., until January, 1885, when the present firm took possession. The plant covers an entire block, and comprises two foundries; the old foundry, 40 x 282 feet, with seven cranes with a total lifting capacity of 200 tons; and the new foundry, built in 1887, which measures 60 x 180 feet, having three steam cranes of 80 tons capacity each. There are five air furnaces and two cupolas, having a melting capacity of 175 tons; also a new machine-shop, erected in 1893, measuring 50 x 115 feet, in addition to another, which is 40 x 282 feet; while the equipment