

ASTORIA IRON WORKS

Incorporated April, 1881

JOHN FOX, President and Manager
A. L. FOX, Vice-President and Superintendent

W. J. BINDER, Secretary
ASTORIA SAVINGS BANK, Treasurer

Iron Founders, Pattern Makers and Machinists--Manufacturers of High-Grade Cannery Machinery STEAM ENGINES AND BOILERS

Our experience in the manufacture of Cannery Machinery has been coincident with the growth of the canning industry, and a large proportion of the successful machines and improvements now in use were invented or manufactured in our shops. We are thus in a position to supply all needs in this line and to guarantee full satisfaction.

FOLLOWING ARE SOME OF OUR PRODUCTS:

Fish Cutters, Power. Fish Cutters, Hand. Jensen Improved Can Filling Machine. Manuella Patent Can Filling Machine. E. K. & M. Can Body Making and Soldering Machine (Patent applied for). Porry Can Filler. Can Washer. Can Crimper, Upright. West Crimper. Rotary Crimper. Chain Soldering Machine.	Spiral Soldering Machines with Acid Attachments. Acid Attachments. Coolers. Cooler Hooks. Retorts complete, 3 cars. Retorts, 4 cars. Retort Cars. Tin Sifters. Die Presses, foot. Die Presses, power. Dies, Combination, 1lb Tall.	Dies, Combination, 1lb Flat. Dies, Combination, 1/2lb Flat. Chip Dies. Seaming Frames. Turntable Irons. Castors. High Truck Wheels and Axles. Low Truck Wheels and Axles. Thermometers. Steam Gauges. Lye Kettles.	Overhead Travelers and Track. Square Shears. Can Formers, power. Can Formers, hand. Seaming Cylinders, 1lb Tall. Seaming Cylinders, 1lb Flat. Seaming Cylinders, 1/2lb Flat. Single Fire Pots, charcoal. Double Fire Pots, charcoal. Inside Crimpers. Solder Cutters, power.	Solder Cutters, hand. Solder Molds, closed. Solder Molder, open. Solder Kettles. Solder Ladles. Double Fire Pots, Burner and Pan. Single Fire Pots, Burner and Pan. Double Air Compressors. Air Tanks. Pressure Gauges. Relief Valves.
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WE ARE PREPARED TO MAKE PLANS AND ESTIMATES FOR AND TO BUILD ALL KINDS OF

Stationary and Marine Engines, Boilers, Gasoline Engines, Shafting, Hangers, Belting, Gearing, Etc
ASTORIA IRON WORKS, - ASTORIA, OREGON

TWO FLOURISHING HOUSES

The Astoria Iron works was incorporated in April, 1881, by John Fox, the late Captain J. G. Hustler and Captain A. D. Wass, with \$4000 capital stock, and in May, 1881, Mr. Fox commenced business for the company in what he proudly termed a "machine shop." The shop was located at the northwest corner of Astor and Eighth streets in a building now occupied by Chinese. In

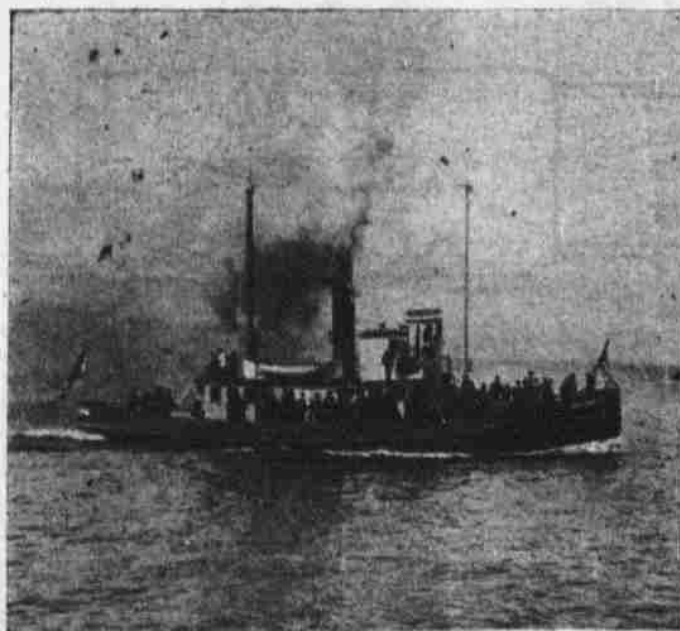
the concern, and to him much of the credit of the success of the undertaking is due. The business of the new enterprise showed steady gains, and at one time as many as 25 men were employed in the old shop during a particularly busy season. At the end of five years the shop had a wide reputation for the excellence of the work turned out, and became quite an important institution.

22 years the payroll of the institution has grown from \$1000 annually to \$75,000, and the value of the yearly product has reached \$300,000 to \$350,000.

The Astoria Iron works has built up its reputation by turning out cannery machinery. Its product is widely sought, orders coming from British Columbia, Alaska, Puget sound, the Pacific coast salmon streams, and even from China and Japan. The company is making the very best can machines in existence, and exclusively manufactures several other much-sought appliances, notable among them the Troyer gasoline engine, the invention of a resident of this city. The shop is particularly well equipped for the construction of small passenger and towing steamers, and the boats built there for use all over the coast have proved a valuable advertisement for the company. The Iron works is one of the most important industries of Astoria, and is constantly growing. It is the creation of the president of the firm, springing from the miniature "machine shop" that was started by him in 1881 with borrowed money.

Another important enterprise, adjoining the Astoria Iron works, is the boatyard of R. M. Leathers. This institution builds a large share of the small tugs, launches and pleasure and fishing boats constructed on the lower Columbia river, and a force of 12 to 20 men is regularly employed. Mr. Leathers is a mechanic of exceptional ability, and his steamers are all broom-carriers in their class. He has just moved into a new shop, which is a model of neatness and convenience. He makes a specialty of steamers of 150 tons and under, the largest vessel turned out at his shop being the Anna Barron. All the boats built by Mr. Leathers receive their machinery at the Astoria Iron works, the two institutions being located within a few yards of each other. Mr. Leathers has turned out several steamers and launches for Alaska, and it is to his credit that Puget sound concerns place orders with him. Within a few years, if his business shows proportionate increase, still further additions to the shop will be necessary.

STEAMER ANNA BARRON



This steamer, one of the finest boats of her class on the coast, was recently built by R. M. Leathers. Her machinery was manufactured at the Astoria Iron works. The Barron has far surpassed the expectations of her owners, for whom she is doing fine work.

the establishment were a lathe, drill press, engine and forge, and the working force consisted of Mr. Fox and William E. Warren, a young Astorian who is now at Dawson. The business soon began to grow, and before many months had passed new appliances were installed. In 1893 Mr. Fox induced his brother, A. L. Fox, to become a partner in

R. M. LEATHERS

SHIP AND BOAT BUILDER

Now has enlarged and improved facilities for the construction of

**STEAMBOATS, STEAM AND GASOLINE LAUNCHES,
PLEASURE BOATS, FISHING BOATS, WHITEHALLS, ETC.**



My boats are positively unexcelled for model, finish and workmanship. None but best materials used. Models and plans made and estimates given. Special and prompt attention given to orders for fishing boats for Alaskan and Puget Sound waters. Correspondence solicited.



Yards and Office Astoria, Or