

**Business and Personal Wants.**

READ THIS COLUMN CAREFULLY.—You will find inquiries for certain classes of articles numbered in consecutive order. If you manufacture these goods write us at once and we will send you the name and address of the party desiring the information. **In every case it is necessary to give the number of the inquiry.**  
**MUNN & CO.**

- Marine Iron Works. Chicago. Catalogue free.
- Inquiry No. 6435.**—For makers of canning outfits for canning tomatoes, etc.
- "U. S." Metal Polish. Indianapolis. Samples free.
- Inquiry No. 6436.**—For makers of tin cans, glass jars and bottles for pickles, labels, wooden shipping cases, etc.
- \*Perforated Metals, Harrington & King Perforating Co., Chicago.
- Inquiry No. 6437.**—For makers of machinery for manufacturing small wooden boxes of different shapes. Handle & Spoke Mch. Ober Mfg. Co., 10 Bell St., Chagrin Falls, O.
- Inquiry No. 6438.**—For a machine for producing gas from oil, to run gas engine. Adding, multiplying and dividing machine, all in one. Felt & Tarrant Mfg. Co., Chicago.
- Inquiry No. 6439.**—For a machine for breaking over the edge of a 10-foot strip of sheet steel, No. 22 gage, and insert a wire and roll down the edge, such as is used for making the sheet iron box of boy's express wagon.
- Sawmill machinery and outfits manufactured by the Lane Mfg. Co., Box 13, Montpelier, Vt.
- Inquiry No. 6440.**—For a pneumatic drag saw. Leyden Chemical Works. Sole manufacturers of all luminous preparations. 666 East 182d Street, New York.
- Inquiry No. 6441.**—Wanted, a clock with patented disk and attachment to cause the gong to sound every hour or quarter-hour. Robert W. Hunt & Co. bureau of consultation, chemical and physical tests and inspection. The Rookery, Chicago.
- Inquiry No. 6442.**—For plastic cement, having fire and water proof qualities. Models, dies, metal stampings, novelties, patented articles manufactured and introduced. U. S. Novelty Co., Lily Dale, N. Y.
- Inquiry No. 6443.**—For manufacturers of wood fiber, insulating washers and bushing and liners. The celebrated "Hornsby-Akroyd" Patent Safety Oil Engine is built by the De La Vergne Machine Company Foot of East 138th Street, New York.
- Inquiry No. 6444.**—For machinery for opening all kinds of nuts, without breaking the meat. I have every facility for manufacturing and marketing hardware and housefurnishing specialties. Wm. McDonald, 190 Main St., East Rochester, N. Y.
- Inquiry No. 6445.**—For machinery for making paper barrels. We manufacture anything in metal. Patented articles, metal stamping, dies, screw mach. work, etc. Metal Novelty Works, 43 Canal Street, Chicago.
- Inquiry No. 6446.**—For a machine for making druggists' small pill boxes. The SCIENTIFIC AMERICAN SUPPLEMENT is publishing a practical series of illustrated articles on experimental electro-chemistry by N. Monroe Hopkins.
- Inquiry No. 6447.**—For manufacturers of leather, cloth and wood advertising novelties.
- WANTED.—Patentees of machines for making concrete brick or blocks. Please send cuts and full description of same to 316 Harrison Street, Richmond, Va.
- Inquiry No. 6448.**—For manufacturers of domestic calendars and dealers in imported goods.
- WANTED.—Revolutionary Documents, Autograph Letters Journals, Prints, Washington Portraits, Early American Illustrated Magazines, Early Patents signed by Presidents of the United States. Valentine's Manuals of the early 40's. Correspondence solicited. Address C. A. M., Box 773, New York.
- Inquiry No. 6449.**—For makers of black leather pouches. Manufacturers of patent articles, dies, metal stamping, screw machine work, hardware specialties, machinery and tools. Quadriga Manufacturing Company, 18 South Canal Street, Chicago.
- Inquiry No. 6450.**—For manufacturers of steam laundry machinery. Technical graduate, for five years President of Mechanical and Electrical Mfg., wants to represent an Eastern manufacturer. Have a large and influential acquaintance. W. A. C., 1009 New York Life Building, Chicago.
- Inquiry No. 6451.**—For makers of wooden teeth for use in making patterns for spur gear castings.
- CALCULATING MACHINES.—Wanted, first-class firm willing to take up the agency and sale in the United States and Canada of a well-known calculating machine. Terms very favorable. Apply Grimme, Natalis & Co., Braunschweig, Germany.
- Inquiry No. 6452.**—For manufacturers of recording thermometers. Cement machine patterns and patents for United States and Canada for sale. Address Box 258, Jackson, Michigan.
- Inquiry No. 6453.**—For a machine to crack up large crystals to uniform size of about 1/8 to 1/4 of an inch.
- WANTED.—General Factory Superintendent or Agent. Competent to take charge of large manufacturing plant. All correspondence strictly confidential. Address with full particulars as to experience and qualifications Superintendent, Box 773, New York.
- Inquiry No. 6454.**—For the present address of the Armat Moving Picture Co.
- Inquiry No. 6455.**—For parties to manufacture dust pans
- Inquiry No. 6456.**—For manufacturers of nickel tops for pocket purses.
- Inquiry No. 6457.**—For the manufacturers of the electrical machine for making puffed rice.
- Inquiry No. 6458.**—For manufacturers of leaden hair combs.
- Inquiry No. 6459.**—For an apparatus to destroy roll tickets in large quantities.
- Inquiry No. 6460.**—For manufacturers of table knives, forks and spoons sold under different names, as Australian silver, Mexican silver, etc.
- Inquiry No. 6461.**—For makers of lead pencils in large quantities, stamped with name and address, for advertising; samples wanted.
- Inquiry No. 6462.**—For the address of the manufacturer of glass which can be heated red hot and plunged in water without breaking.



**The Franklin Light Tonneau**

Weight 1,250 pounds; 12 horse-power; four cylinder air-cooled motor.  
**\$1,650**

# FRANKLIN

The car you want is not the car with the most horse-power, or with this frill or that, but the car that *does the most at the least expense.*

The car you don't want is the complicated heavy car that wears out tires fast, uses gasoline extravagantly, costs a lot for repairs, and is clumsy besides.

The Franklin 12 horse-power Light Tonneau goes faster and better and smoother—on all roads—than most cars of 18 and 20 horse-power. It costs less to buy and less to maintain.

Water-cooled cars get their power by means of heavy motors and complicated parts. The Franklin gets its power by masterly engineering and its light

**Four-cylinder Air-cooled Motor**

It costs \$1,650, not \$2,000; but, even at \$2,000, it would be cheaper than the others. What does your horse-power cost? What does it do? While you're thinking this over, look up the Franklin and some Franklin owners. The picture below is the Franklin 20 H. P. Touring-car.

Send for book telling facts about the Franklin.



**H. H. Franklin Mfg. Co.**  
 Syracuse, N. Y.

Member Association  
 Licensed Automobile Manufacturers

three-speed sliding-gear transmission is used.

Two launch-building firms that have taken up the manufacture of automobiles are the Lozier Motor Company, of Plattsburg, N. Y., and the Gas Engine and Power Company, of this city. Both are manufacturing high-grade four-cylinder touring cars of 30 to 35 and 24 horse-power respectively. These cars have all the latest improvements, such as automatic carbureters, mechanically-operated inlet valves, bevel gear drive, etc. The material and workmanship on both leave nothing to be desired.

One of the automobile firms that has profited by road experience with its cars during the past year is the Royal Motor Car Company, of Cleveland, Ohio. The new 30 to 38-horse-power car exhibited by this firm at the show was second to none in general appearance and details of construction. The motor, a 5 x 5 1/2-inch four-cylinder, vertical engine having mechanically operated interchangeable inlet and exhaust valves, is mounted under a bonnet in front in the usual manner. The commutator is located on top of the motor, and is driven by a vertical shaft. The carbureter has an automatic auxiliary air inlet and an intake drawing warm air from a jacket around the exhaust pipe. Positive force feed lubrication is used, and the water is circulated by a gear-driven pump through a radiator of novel construction. The fan is driven by a flat belt having an adjustable pulley. Both the engine and the three-speed transmission are fitted with plain bearings having ring oilers connected with the lubricator. The propeller shaft is of large size and has protected universal joints. The driving gear and pinion are mounted on roller bearings with end-thrust ball bearings. The clutch is of the leather-faced cone type and is connected to the transmission through a universal joint. The brakes are of the expanding ring type both on the driving shaft and the rear wheels. The side-entrance tonneau seats five persons. It has a wheel base of 108 inches, standard tread, and is mounted on 34-inch wheels. The total weight of the car is 2,500 pounds.

The Pope Manufacturing Company, besides its large and powerful Pope-Toledo automobiles, one of which, finished in white, and fitted with a top over the rear seat, attracted much favorable comment at the show, still manufactures its single-cylinder Pope-Hartford model, and has also brought out a new Pope-Hartford machine having a double opposed-cylinder engine, placed transversely in front, and connected to the rear axle through an individual clutch transmission, and a bevel gear drive. This company also manufactures a light two-passenger touring car known as the Pope-Tribune, which has a two-speed and reverse sliding gear transmission and bevel gear drive. One of the 90-horse-power Pope-Toledo racers has been entered in the Gordon-Bennett race for this year. One of the main features of the Pope-Toledo car is a copper water jacket, which has been used successfully for several seasons. The transmission of this car, which was illustrated in our Automobile Number last year, has been somewhat modified and improved in the present model. In most respects, however, the 1905 car is quite similar to that built last year.

The Cadillac Automobile Company, of Detroit, Mich., is still another firm to adopt a four-cylinder, vertical motor as the propulsive mechanism of its 1905 touring car. This motor also is fitted with copper water jackets, clamped between a ring on the base of the motor and the cast head. The mechanically operated inlet and exhaust valves are arranged in chambers on one side of the cylinder heads, and the motor is fitted with a governor of a new type consisting of an oil pump which operates a piston connected with the cam shaft of the motor. The volume of oil delivered by the pump



**8 Reasons Why the**

# Locomobile

**is Easily the Best Built Car in America**

- 1.—Standard design. No freak features.
- 2.—Result of long experience on proper lines.
- 3.—Special material for each part.
- 4.—All material analyzed and tested.
- 5.—Forgings used instead of castings.
- 6.—Every part made interchangeable.
- 7.—Careful attention given to minute details.
- 8.—Convenience of the customer considered at every point.

1905 MODELS—15-20 h. p., \$2,800; 20-25 h. p., \$3,700; 30 35 h. p., \$5,000; 40-45 h. p., \$7,500.

THE LOCOMOBILE CO., Bridgeport, Conn.

Member Association  
 Licensed Automobile Manufs.

**PACKARD ENAMELED IGNITION CABLE**



PACKARD CABLE

An entirely new method of making a sure-thing-insulation. Thread wound, tape wound, woven, with intermediate coatings of enamel films and many bakings. Send for booklet "F."

**THE PACKARD ELECTRIC COMPANY, Warren, Ohio**