fitted with tools and machinery. The machine shop contains quite a variety of lathes and planers, for both light and heavy work. Since the school was started a large number of useful articles have been made, including several stationary engines. Last year an engine of the Buckeye type was built, and a second one is in process of construction at the present time. In the wood-working shop, considerable attention is paid to cabinet work, and instruction is given both in the use of tools and wood-working machinery. The instruction is given by skilled men, who take an interest in the students and in their work.

While the party was in Worcester, the wire works of Washburn & Moen were visited. The boys say they saw more wire than they had seen in all their lives before. We shall speak further of the wire manufacture at another time.

The Holyoke Machine Company are builders of turbine wheels, large gears, etc. A machine for cutting the teeth of large bevel gears is one of the many interesting things of their shop.

Through the kindness of the Holyoke Water Power Company, the party was furnished with a large sleigh, which made the tour of the place much easier.

At Hartford, the mechanicals visited the machine shop of Pratt & Whitney, and saw many nice tools, as well as a new measuring machine. The draughting room of this establishment is the finest the mechanicals have seen anywhere. The manufacture of screws, of drop forgings, and of parts of bicycles, completed the morning's work of the Hartford day. The afternoon was spent at Colt's Armory, and at the shop of the Hartford Engineering Company. At the latter place the party was received by Mr. Harris Tabor. At the former establishment, in addition to the manufacture of arms, they witnessed the manufacture of the Gatling gun, the Baxter engine, and the disk engine. Gatling guns, made by this firm, fire forty shots in four fifths of a second.

The new mill of the Willimantic Linen Company was lighted with the electric light for the inspection of the boys on the evening of their arrival. The absolute quiet of the mill at this time contrasted strongly with the noise and bustle of the next day. This mill is only one story high, and is the best possible place for studying the processes to which the cotton is subjected. The shafting is all under the floor, and is driven by three double Porter-Allen engines, making 350 turns per minute. The mill is new and has all modern conveniences, and is kept in perfect order. Other mills of the same company received their share of attention.

On arriving at South Manchester, the party was conducted to "Cheney Hall," and after some singing partook of a bountiful collation, which was given the visitors by the proprietors of the silk mills, Cheney Brothers. After dinner the party was conducted through the extensive silk mills, and had an opportunity to follow the silk from its first condition to the finished product. The silk manufacture was new to all the students, and many interesting things were seen. Mr. Frank Cheney, who has heretofore been connected with the mechanical engineers of '82, leaves the school at this time, and will soon make a trip to California. We wish him a pleasant journey and success always.

The mechanicals ought to be proficient in the manufacture of instruments of warfare. Three arsenals were on the list.

Mr. Harry G. Manning, '82, while on the recent excursion, acted as correspondent of the Boston Journal. His letters, giving a full account of the trip, may be found in the morning issues of Feb. 1, 2, 3, 4, and 6, over the signature of "Sagamore, Jr."

Mr. C. C. Harding, of Boston, who accompanied the party, deserves high compliment for the faithful and efficient manner in which the trip was conducted. The entire freedom from delays or disappointments was largely due to his careful management. If the mechanicals ever organize another excursion, Mr. Harding is the man to take it in charge.