of metallic copper. These results, as well as the ones already mentioned, show that the method is not very accurate. I tested the sulphate of copper, and found that it contained only a trace of ferric oxide.

H. V. F.

C. C. M. I. T.

The semi-annual exhibition drill which came off Wednesday, the 18th, proved clearly that at the Institute they rightly "teach the young idea how to shoot." The result of the three months' teaching was very creditable to the school. It was especially so when it is remembered that the companies had drilled with arms less than eight hours. About two hundred friends of the Institute witnessed the exhibition; and whether attracted by the "gold-lace that hath a charm for the fair" or by the prospect of a dance, pretty girls were certainly present in bewildering numbers.

The exercises consisted of the "setting up" drill, company movements with and without arms, artillery drill, and dress parade. It would be difficult, even if it were desirable, to draw any distinction between the two companies; and considering the small amount of time allotted to drill, the officers of each are to be congratulated on the precision with which their commands were executed. The readiness which the men have so far shown makes a marked improvement at the annual a thing to be expected.

The most interesting portion of the exhibition was undoubtedly the artillery drill. The spirit which the men manifested, and the energy with which commands were carried out, gave to the proceedings an air of reality which made them even exciting. The heavy field pieces went lumbering around the Gym. with quite a war-like rumble, and the friction primers exploded with a crack which to the timid people on the front settees plainly smacked of gore.

After the artillery came the battalion dress parade, which passed off without a jar, from the time the assembly sounded on the newly pur-chased drums to the last command of Major Pratt and his soldierly-looking adjutant. In this parade the fine appearance of the color guard was especially noticeable.

The drill, which was perhaps a trifle too long, was followed by an order of eight dances to the music of the Cadet Band. The floor proved unexpectedly smooth, and though the number on it caused several collisions which roused in violence the recent one at Spuyten Duyvil, the dance was thoroughly enjoyable and enjoyed.

The Proposed Excursion.

A number of the students in mechanical engineering, members of Σ. M. E., are about to make a five-days' excursion to the principal manufacturing centres in this vicinity. The party starts Monday, Jan. 30, accompanied by Prof. Whitaker and Mr. Beeching. Following is the programme:


Wednesday, Feb. 1.—At Hartford. Visit the Hartford Engineering Company, Pratt & Whitney's Machine Shop, Colt's Armory, the Billings & Spencer Drop Forging Company, the Hartford Machine Screw Company, the Hartford Steam Boiler Inspection and Insurance Company, and the Bicycle Department, Weed Sewing Machine Company. Leave Hartford at 5 p. m. for Willimantic.

Thursday, Feb. 2.—At Willimantic. Visit the Willimantic Linen Company. Leave Willi-