APPENDIX.

LIST OF EXHIBITS.

V. Sankey, Esq., P.L.S., showed some samples of Keuffel and Esser's new process of photographing from tracings, called the Nigroeine Process. It differs from the Blue Process, in giving black lines on white ground. In their circular, Keuffel and Esser say of it :— "This process is nearly as simple as the Blue Process, but differs from it chiefly in that it requires a chemical developer added to the water bath. The great advantages of this process are, that it gives a permanent *facsimile* of the original drawing, permanent black lines on a permanent white ground, and the half tones as such. This also overcomes the drawback of shaded blue prints, which always show light, and shade reversed." For prices, etc. address Keuffel & Esser, 127 Fulton Street and 42 Ann Street, New York.

Messrs. Hart & Company, the well-known firm of stationers, had an interesting exhibit of materials necessary for the use of surveyors and civil engineers, consisting of tracing linen, tracing paper, Whatman's hand-made paper, profile and cross-section paper; also samples of transit, record, cross-section and field books, besides many other needful sundries, including a selection of the more useful grades of Faber's Siberian Graphite pencils, as well as those of cheaper qualities. There was also a collection of private and office stationery quite in keeping with the reputation of this firm, as fine and general stationers. Mention might also be made of the specimens of fine printing, engraving and embossing which were shown, as this class of work is receiving much more attention than formerly, both by professional and business men.

Mr. Sanderson exhibited a Calculating Machine. It was, he said, an improvement on all previous calculators. It was invented by Mr. Tate, and was called Tate's Patent Arithmometer. It is the latest calculator in existence, the older machines were more difficult to work. Mr. Sanderson then proceeded to show how the machine worked, and gave the following illustration :—

$$P + 2 \quad 89987888 + 98998788$$
$$P - 2 \quad 89689 - 43642$$
$$P + 2 \ R \ 98998898 + 9897688 \times 654321$$
$$P - 2 \ R \ 9998999989998889 - 8998978 \times 65473$$
$$\frac{P}{2} \quad 898464 \div 5432$$
$$P \quad 2 \times R \ S \times T \ M$$
$$898976 \times 4323 + 9878 \times 4365 + 78965 + 43231$$

Rice Lewis & Co., Toronto, exhibited some of Chesterman's steel band chains, which they keep in stock.