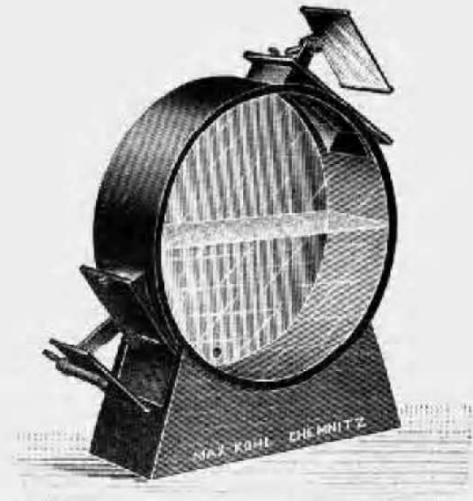
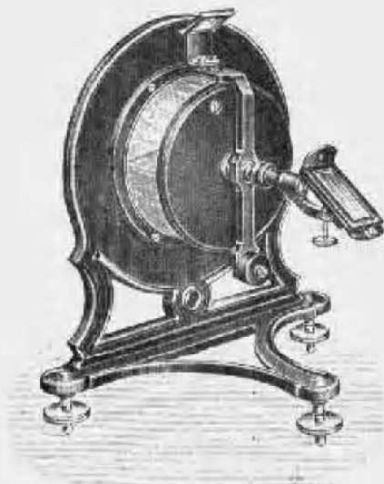


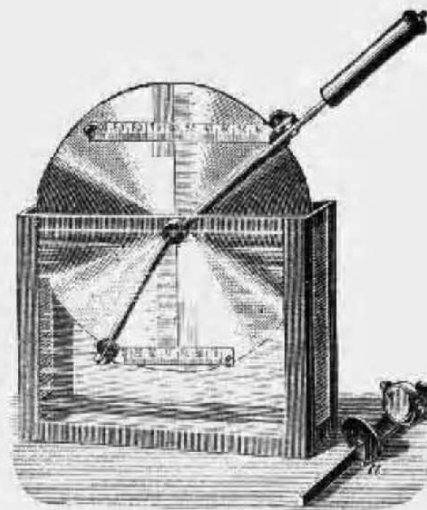
53 850. 1:7.



53 851. 1:6.



53 852. 1:6.



53 853. 1:5.

Max Kohl, A. G. Chemnitz, Germany.

- \* 53,850. **Light-Refraction Apparatus**, after Tyndall (Tyndall's Drum), Figure, for objective demonstration (M. P. II, 1, Fig. 31 [26]) . . . . . £. s. d. 2. 0. 0

A cylindrical metal vessel 300 mm diameter can rotate about a polished wood base. In front of a gap a mirror is fitted with the aid of which a ray of light may be made to penetrate at various angles, according to the rotation of the vessel. The water is coloured with a fluorescent liquid; the air space being filled with smoke.

- \* 53,851. — *idem*, Figure, with a second Mirror and Gap underneath, for total reflection 2. 10. 0

- \* 53,852. **Light-Refraction Apparatus** after Mach, Figure (M. P. 8<sup>th</sup> Edn., II, 1, Figs. 64 and 65; Carls Repertorium 7, 1871) . . . . . 3. 0. 0

The illustration shows the apparatus from the back, with the device for reflecting the luminous pencil. The front of the vessel is glazed.

- \* 53,853. **Apparatus for Determining the Refractive Indices of Liquids**, after Blümel, Figure (Ztschr. f. d. phys. u. chem. U. 2, 1888/9, p. 163) . . . . . 2. 8. 0

The apparatus consists of a vessel with plate glass walls, and a graduated disk of German silver, about the centre of which 2 levers can rotate. Two rules permit of reading the sine of the incident and refractive angle. The apparatus is arranged for subjective and objective demonstration.

\* Can be used with the Projection Apparatus.