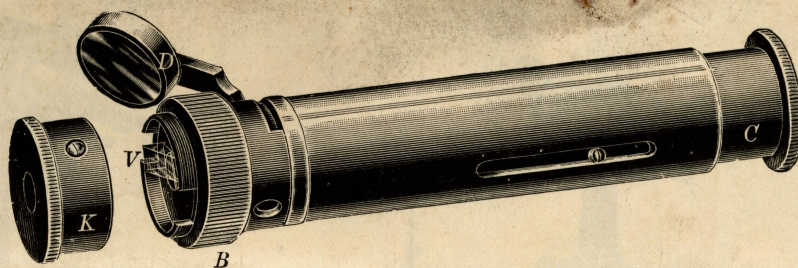
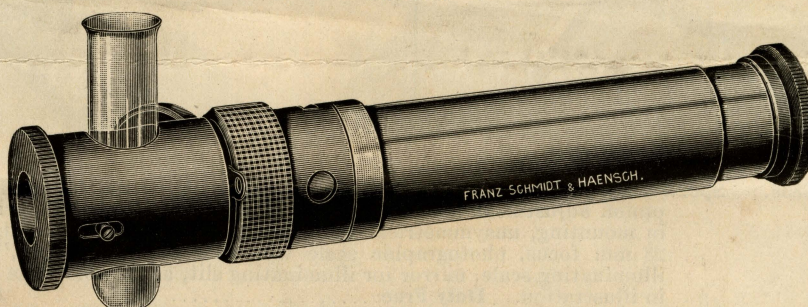


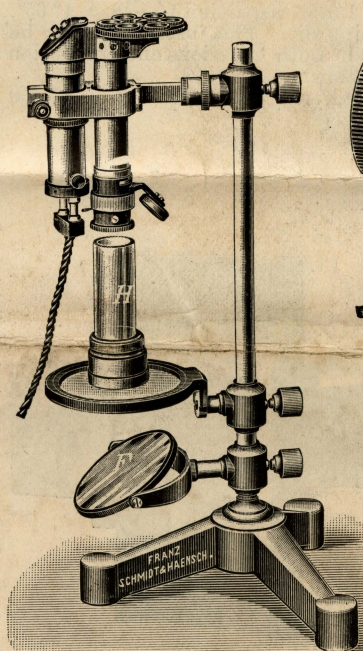
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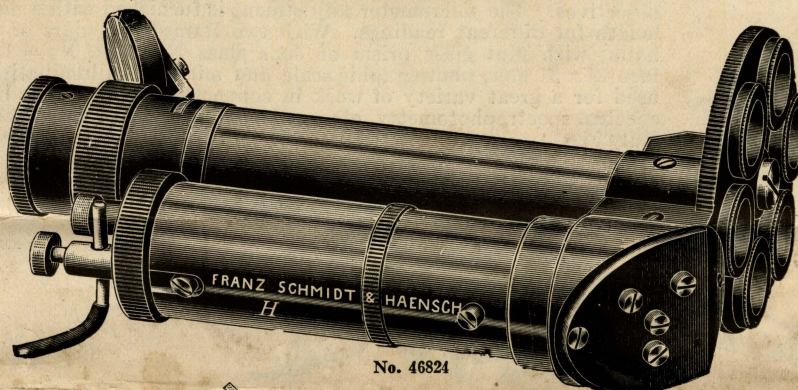
No. 46816



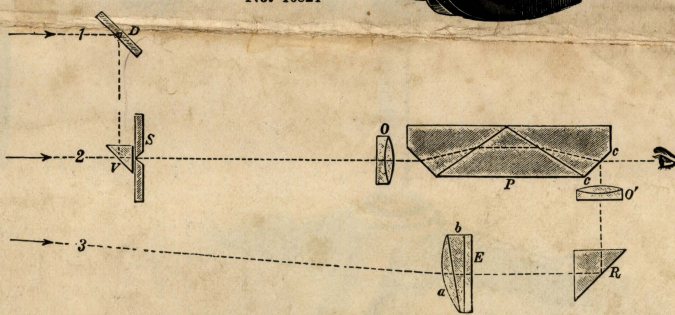
No. 46816 with Test Tube Holder



No. 46832

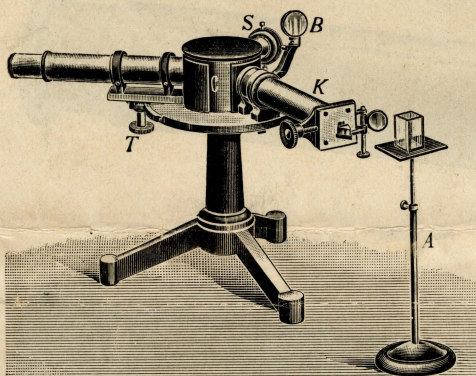


No. 46824

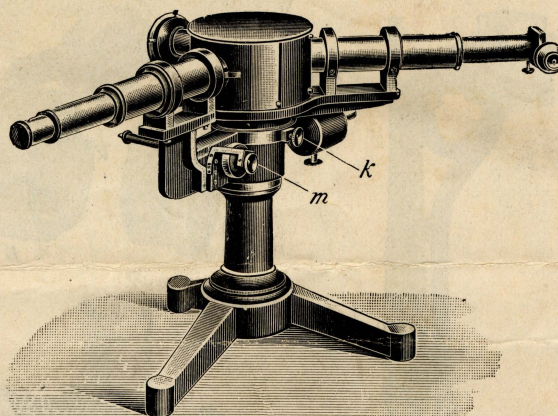


Optical Plan of No. 46824

46816. Spectroscope, Vogel, Direct Vision, Schmidt & Haensch, total length 170 mm. With comparison prism, illuminating mirror, holder for small test tubes and six extra test tubes. In case. 18.20
Duty Free. 13.65 Stock.
46820. Stand for Direct Vision Spectroscopes, especially No. 46816, with absorption trough. 6.00
46824. Spectroscope, Martens, Direct Vision, Schmidt & Haensch, with comparison prism and wave length scale. A rotating disc with lenses of different foci after Martens permits the accurate adjustment of the telescope for any eye. The diagram above illustrates the operation of this spectroscope when used without illuminating device which is only necessary with very weak spectra and which may be operated by three cells of dry battery. In case. 37.60
Duty Free. 28.20 Duty Paid.
46824. Spectroscope, same as above but with the addition of Beckmann electric lighting arrangement with special cap for comparison prism, without accumulator. 55.60
Duty Free. 41.70 Duty Paid.
46832. Stand for Direct Vision Spectroscopes, particularly designed for Martens Wave Length Spectroscopes No. 46824 consisting of support, mirror glass, stage, clamp for spectroscope, absorption trough and absorption tube, with polished wooden case taking both spectroscope and support. 28.60
Duty Free. 21.45 Duty Paid.

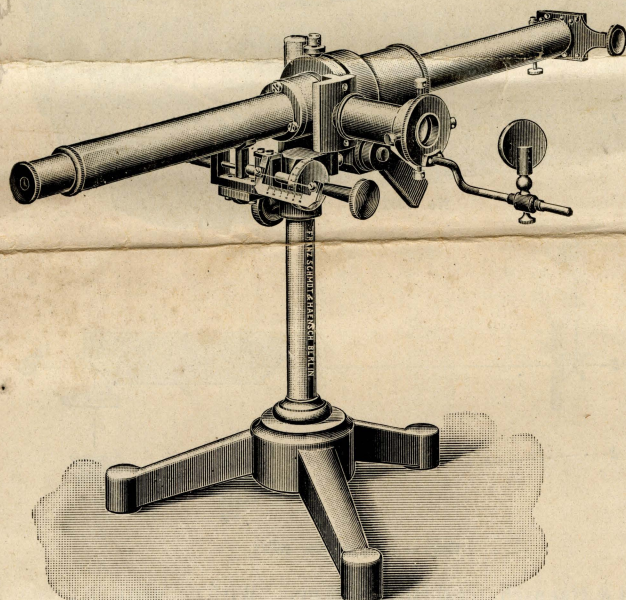


No. 46836

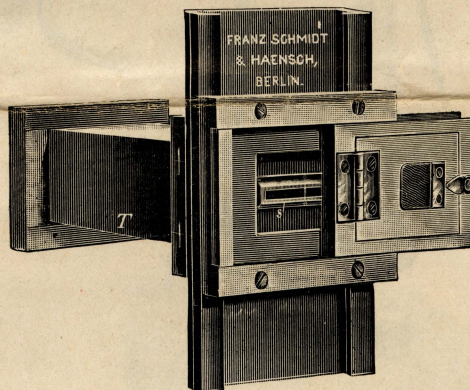


No. 46840

46836. Spectroscope, Kirchhoff-Bunsen, Schmidt & Haensch, Model II, with enclosed prism case, rack and pinion adjustment for the telescope, 15 mm objective, flint prism of dispersion $C - F = 1^\circ 56'$ in mounting, unsymmetrical slit with micrometer head reading to $\frac{1}{100}$ mm, Ramsden ocular 28 mm focus, photographic scale with orienting device "S," wavelength scale, mirror for illuminating scale, mirror for illuminating slit, adjustable table support and glass cell as shown in illustration. Duty Free..... 73.95 Stock..... 98.65
46840. Spectroscope, Kirchhoff-Bunsen, Schmidt & Haensch Model III, with unsymmetrical slit and 24 mm objectives. The micrometer adjustment is furnished with a dispersion curve giving the wave length for different readings. With two Ramsden oculars of 28 and 11 mm focus, with cross hairs; with flint glass prism of Jena glass No. 0.102 $N_D = 1.649$, dispersion $C - F = 1^\circ 65'$, face 28 x 31 mm; photographic scale and mirror for illuminating slit. This instrument may be used for a great variety of work in connection with studies in both emissions and absorption spectra, spectrophotometry, etc., and with the camera listed below. Duty Free..... 121.05 Duty Paid..... 161.50



No. 46844



No. 46856

46844. Spectroscope, Hoffman, Direct Vision, Schmidt & Haensch, large model, with micrometer adjustment for telescope tube permitting same to move over the entire spectrum, with direct vision prism of dispersion $C - F = 5^\circ 30'$, telescope objective of 200 mm focus, adjustable slit with comparison prism, one ocular of 28 mm focus, with cross hairs, illuminated by prism inside, and one ocular of 11 mm focus with pointer scale, telescope with rotating scale and mirror for illumination of same. Suitable for general chemical analyses, wavelength determinations and for the securing of light of a given wavelength for other optical purposes as in spectrophotometry, etc. Duty Free..... Duty Paid..... 20.00
46848. Rutherford Prism, with mounting, dispersion $C - F = 3^\circ 26'$. For use with Nos. 46840 and 46844. Duty Free..... 15.00 Duty Paid..... 20.00
46852. Wavelength Scale for use with Rutherford prism. For use with Nos. 46840 and 46844. Duty Free..... 9.60 Duty Paid..... 12.80
46856. Photographic Camera for 6 x 9 cm plates, with achromatic objective of 260 mm, camera tube and plate holder for photography of visible spectra only but can be adapted with quartz lens, uranium glass plate, etc., at an extra charge, for the ultra violet. For use with Nos. 46840 and 46844. Duty Free..... 86.25 Duty Paid..... 115.00