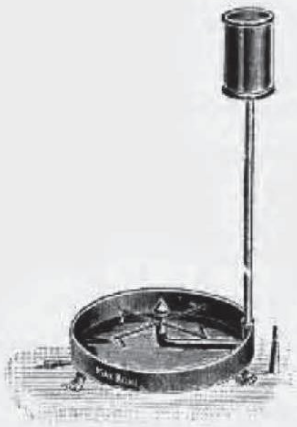
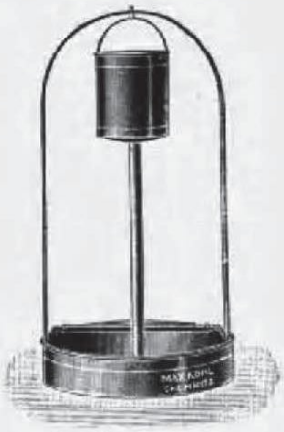
52 596. 1 : 13.



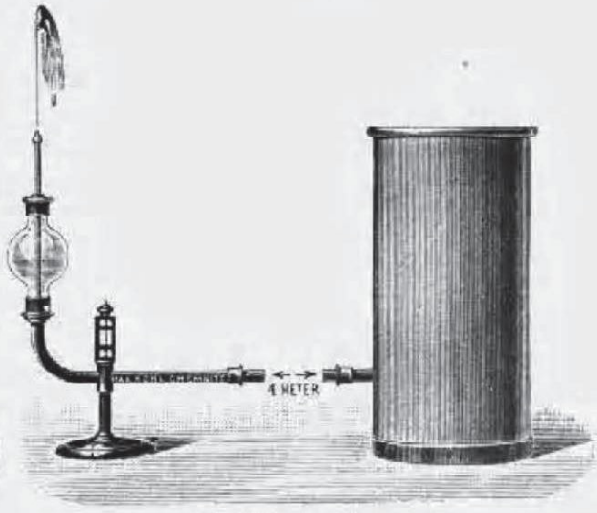
52 597. 1 : 8.



52 598. 1 : 10.

52 600. 1 : 10.

52 602. 1 : 4.



52 603. 1 : 10.

Max Kohl A. G. Chemnitz, Germany.

52,594. **Lateral Pressure Apparatus,** after Kleiber, for demonstrating hydrodynamic lateral pressure (Kleiber, Lehrb. d. Phys. f. Gymnas., Fig. 85), consisting of a small water balance with aperture at the end . . . . . £ 0. 15. 0

52,595. **Apparatus** (Hartl's), Figure, **for experimental measurements on Velocities of Outflow, Quantity of Outflow and Reaction-Pressure** (Ztschr. f. d. phys. u. chem. U. **9**, 1896, p. 234) 4. 4. 0

The outflow orifice can be placed either in the bottom or the side wall. Five different plates permit of varying the form and size of the same, while the pressure is varied by small inset tubes 25 and 50 cm long. A sheet iron rule, on which the water jet gives its velocity direct, is used for determining the velocity of outflow. The reaction-pressure is given automatically on the pressure scale which is divided in grams. The apparatus works with thorough accuracy without large quantities of water being necessary.

52,596. **Barker's Mill (Reaction Wheel),** with water tank, Figure 1. 0. 0

52,597. — idem, entirely of metal, Figure; can also be used as a **well-spring** . . . 1. 0. 0

52,598. **Barker's Mill,** Figure, of metal, with rotating vessel 0. 16. 0

52,599. — idem, **smaller,** with glass water vessel 0. 12. 0

52,600. — idem, Figure, **of glass and metal,** with polished wood stand 2. 5. 0

52,602. **Hydraulic Ram,** after Montgolfier, of glass, Figure (W. D., Fig. 126 [114 B]) . 0. 8. 0

52,603. — idem, **of metal and glass,** Figure (W. D., Fig. 125 [114 A]), with pipe line 4 m long; can be easily taken apart; excellent in action; with sheet iron vessel for placing underneath for the water running out of the impact valve 3. 12. 0