

Series XXIV. Twelve kinematic models by Professor F. Schilling illustrating the generation of epitrochoids and hypotrochoids with fixed and with clamped centers, ellipses, cycloids and the inversors of Peaucellier, of Hart, and of Kempe. They are made of brass and celluloid and mounted on wood which has the generated curve traced on its surface (marks 545).

Series XXV. Seven thread models by Professor H. Wiener of the forms of cubic cones according to the classification of Möbius (marks 128). The accompanying memoir (not contained in the catalogue) of 34 pages contains an excellent synthetic discussion of the forms of plane cubic curves.

Series XXVI. *A*, ten laboratory pieces by Professor G. Hauck and *B*, eighteen special pieces by Professor F. Schilling, for illustration in descriptive and projective geometry (marks 264). The second group includes an ingenious apparatus for generating an ellipse by means of two projective pencils of lines.

Series XXVII. Three stereometric wire models of electric lines of potential and lines of force, by Professor O. Wiener (marks 200).

Series XXVIII. Six models of the twisted cubic curve, by Dr. W. Ludwig (marks 160). In this series is included an excellent thread model of the quartic developable surface.

Series XXIX. Three models to illustrate the theory of the top, by Professor H. Grassmann (marks 265).

In the buildings of the university at Göttingen ample and well equipped rooms are set apart for the construction and exhibition of models. Model-making is not only a fine art but an important discipline.

VIRGIL SNYDER.

NOTES.

THE fourth regular meeting of the San Francisco Section of the AMERICAN MATHEMATICAL SOCIETY was held at the University of California on Saturday, December 19. A report of the meeting will appear in an early number of the BULLETIN.

THE staff of associate editors of the *Transactions* of the AMERICAN MATHEMATICAL SOCIETY, as constituted for the year 1904, will consist of Professor E. B. VAN VLECK, Professor H. S. WHITE, Dr. C. L. BOUTON, Professor L. E. DICKSON,