

Exercises.—1. Straight whittling. 2. Oblique whittling. 3. Cross whittling. 4. Point whittling. 5. Sandpapering (without block). 6. Rip Sawing. 7. Narrow surface planing. 8. Squaring. 9. Boring with drill-bit. 10. Fitting a peg. 11. Curve whittling. 12. Cross-cut sawing. 13. Gauging. 14. End planing (in bench hook). 15. Boring with auger bit (vertical). 16. End sandpapering (with block). 17. Curve sawing. 18. Smoothing with spokeshave. 19. Boring with bradawl. 20. Broad surface planing. 21. Vertical chiseling. 22. Horizontal boring. 23. Filing. 24. End planing (without bench hook). 25. Nailing. 26. Sinking nails. 27. Making halved-together joints. 28. Countersinking. 29. Glueing. 30. Serewing. 31. Modeling with spokeshave. 32. Scraping. 33. Beveling with spokeshave. 34. Oblique planing. 35. Spacing with compass. 36. Veining. 37. Carving. 38. Wedge planing. 39. Filing edge. 40. Notching. 41. Punching. 42. Beveling edge with jack-plane and file. 43. Boring with centre bit. 44. Planing a cylinder. 45. Fitting axle.

MIDDLE YEAR.

BOYS:—*Course in Wood Turning, requiring about 120 hours.* Turning between centers, centering, roughing with gouge, turning to size, testing with calipers, smoothing with skew chisel, measuring and cutting to length, turning straight tapers, outer curve, inner curve, combination of curves in making chisel handle, testing by the eye, cutting shoulders, cutting beads, cutting flute, turning section on square piece, sandpapering, polishing with shellac.

Face Plate Work:—Knob, corner block, match box, barrel, vase and napkin ring.

In connection with the above exercises there are taught the following: Reading drawings, lessons on materials used, care of lathes with names of parts.

Course in Tinsmithing, requiring about 100 hours.—Laying out and developing patterns for cylinders, cones, pyramids and other geometric forms. Cutting to straight and curved lines, joining edges by seaming, riveting and soldering. Making up useful articles, such as a tin cup, square pan or box, covered pail, dustpan, etc., two- and three-piece elbows in stove pipe, making T joints, Y joints, sheet-iron dripping pan, and chimney top. Use of fluxes on tin, galvanized iron, copper, lead and zinc. Use of all the common tinner's tools and machines.

GIRLS:—*Sewing.*—Continuation of the work of the Junior year. Each student cuts and makes herself a full set of underclothes.

Cooking.—Two lessons per week for four months. Instruction is given in the care of the kitchen and kitchen utensils; care of dining