

I. ACQUISITION OF GENERAL KNOWLEDGE 500 HRS

- A. Learns care of handling of antiques
 - 1. Precautions against damage
- B. Types of Antiques
 - 1. Kinds of wood found
 - a. Recognition of cherry
 - b. Recognition of walnut
 - c. Recognition of mahogany
 - d. Recognition of maple, etc.
- C. Learning peculiarities of construction
 - 1. Use of hidden dowels
 - 2. Types of joint
- D. Acquires general knowledge of styles
 - 1. Characteristics and recognition of
 - a. Chippendale
 - b. Duncan Phyfe
 - c. Early American types, etc.

II. PREPARATION OF A JOB FOR REFINISHING 500 hrs

- A. Disassembly
 - 1. Use of hand tools
 - 2. Precautions against damaging wood
- B. Removal of upholstery
- C. Check for necessary repairs
 - 1. Reinforcement of weak sections
 - 2. Broken dowels
 - 3. Replacement of sections
 - 4. Weak joints, etc.
- D. Making necessary repairs
 - 1. Use of hand tools
 - a. drills, saws, hammer, gauging tools, scrapers and screw drivers
 - b. gluing
 - c. installing dowels

III. USE OF REMOVER SOLUTIONS 800 HRS

- A. Learn various types of solution
 - 1. Wood Alcohol
 - 2. Other chemicals
- B. Learn neutralization of chemicals used
- C. Removal of old finishes
 - 1. When necessary
 - 2. Procedures for drying furniture

IV. SANDING PROCESSES

700 HRS

- A. Hand Sanding
 - 1. learn grades of abrasive used
 - 2. proper method of application
 - 3. effects of sanding on grain of wood
- B. Machine Sanding
 - 1. same as above
- C. Sanding Undercoats
 - 1. Types
 - a. Shellac
 - b. Lacquer
 - c. Varnish
 - d. Plaster
 - e. Enamels
 - 2. Learn amount of sanding required to obtain desired finish
 - a. treatment of exterior work
 - b. treatment of interior work
 - c. when to sacrifice durability for beauty

V. APPLICATION OF FINISH

1000 HRS

- A. Mixing shellac
 - 1. Use of coloring powder
 - 2. Thinning
- B. Mixing filler and stain
- C. Mixing oil stain
 - 1. Ingredients
 - 2. Characteristics
 - 3. Use
- D. Applying oil stain
 - 1. Procedures
 - 2. Wiping
 - 3. Drying and sanding
- E. Applying lacquer, varnish, enamels
 - 1. Procedure - Brush, Spray
 - 2. Precaution
 - 4. Drying

VI. HAND POLISHING

500 HRS

- A. Use of pumice stone and oil
- B. Use of rottenstone
- C. Water sanding

VII. BLENDING, MATCHING AND FINISHING 600 HRS

- A. Use of color powder stains
- B. Use of different vehicles for thinning & mixing
- C. Use of varied amounts of stain to produce desired effect
- D. Learn reaction of different wood to different types of stain
- E. Use of filler to change grain pattern of wood
 - 1. close grained types
 - 2. open grained types
- F. Effects of heat on varnish when matching waxes are used
- G. Eliminating rings, burns, acid stains, blooming, crawling, sweating, Pitting
 - 1. Recognition of causes
 - 2. Correction procedures
- H. Stencil work
- I. Drawing and hand decorations
- J. Striping

VIII. ESTIMATING JOBS 200 HRS

- A. Cost of home repairs
 - 1. Type of shell required in repair job
 - 2. Hours of labor involved
 - 3. Risk where irreplaceable pieces are involved
- B. Shipping and crating charges where necessary

IX. BURINING IN 600 HRS

X. Spraying 600 HRS

RELATED INSTRUCTIONS

Trade Safety 16 hrs.

Industrial and labor relations 20 hrs.

(History background and current law and practices)

Blue print reading and sketching 480 hrs.

Furniture design and construction

Period furniture

Trade theory

Trade Science

(a total of 772 hrs. of related instruction was required during the three year apprenticeship)