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EC754 Revised 1954 Suggested Manual Training Exercises in Forge Work and Carpentry

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Nebraska
COOPERATIVE EXTENSION WORK
IN AGRICULTURE AND HOME ECONOMICS
U. of N. Agr. College & U. S. Dept. of Agr. Cooperating
W. V. Lambert, Director, Lincoln

Extension
Circular
744

SUGGESTED MANUAL TRAINING EXERCISES

in

FORGE WORK AND CARPENTRY

The following is a list of plans which give accurate and complete construction details, or carpentry and forge work exercises. Most of the carpentry prints are 11" x 17" in size, while the forge work prints are nearly all 8½" x 11" in size. These plans are exact duplicates of those used in the shops of the Department of Agricultural Engineering.

Plans should be ordered by file number and name of print at prices listed below. Payment should be made to Extension Agricultural Engineering, College of Agriculture, and should accompany all orders.

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FORGE
EXERCISES

<u>File No.</u>	<u>Name</u>	<u>Price</u>	<u>File No.</u>	<u>Name</u>	<u>Price</u>
10.6116-1	Harrow Tooth	.10	10.6116-30	Soldering--Oil Mug	.10
10.6116-2	Drawing	.10	10.6116-31	Soldering--Funnel	.30
10.6116-3	Upsetting	.10	10.6116-34	Bolt Heading Tool	.10
10.6116-4	Bending and Pointing	.10	10.6116-35	Horse Hoof Cleaner	.10
10.6116-5	Bending and Twisting	.10	10.6116-36	Practical Bolt Making	.10
10.6116-7	Scarfed Weld	.10	10.6116-37	Eye Bolt & Link	.10
10.6116-8	Welded Ring	.10	10.6116-38	Double Tree Irons	.10
10.6116-9	Corner Bend	.10	10.6116-39	Single Tree Irons	.10
10.6116-10	Corner Weld	.10	10.6116-40	Neck Yoke Irons	.10
10.6116-11	Engate Rod Nut	.10	10.6116-42	Staple Puller	.10
*10.6116-12	Gate Hook	.10	10.6116-43	Hay Hook for Baled Hay	.10
10.6116-13	Chain Making	.10	10.6116-45	Punch from Rake Tooth	.10
10.6116-14	Chain Hook	.10	*10.6116-47	Tool Grinding Gauge	.10
10.6116-15	Tongs--Flat	.10	*10.6116-48	Off-Set Screw Driver	.10
10.6116-17	Tongs--Round	.10	*10.6116-49	Splitting Chisel	.10
10.6116-18	Rivet Punch	.10	*10.6116-50	Cold Chisel (Paralled	
10.6116-19	Cold Chisel (Flared		Edge)		.10
	Edge)	.10	*10.6116-51	Square Nose Punch	.10
10.6116-20	Diamond Point Drill	.10	*10.6116-52	Center Punch	.10
10.6116-21	Split Weld-Steel to Iron	.10			
10.6116-23	Crosspeen Hammer	.10			
10.6116-24	Straight Lip Tongs	.10			
10.6116-25	Clevis	.10			

* Denotes new plans.

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CARPENTRY - EXERCISES

<u>File No.</u>	<u>Name</u>	<u>Price</u>	<u>File No.</u>	<u>Name</u>	<u>Price</u>
10.6111-1	Saw Jointer	.20	10.6111-75	Magazine Stand	.30
*10.6111-2	Bulletin File Cabinet		10.6111-76	End Table	
	91" x 60" x 11 3/4"	.30		15 1/4" x 28 3/4"	.20
10.6111-4	Roof Framing	.20	10.6111-79	Tool & Nail Box	.30
10.6111-5	Wagon Box		10.6111-85	Ensilage Wagon	
	3'-1 3/4" x 10'-6"	.30		11'-9" x 4'-6"	.30
*10.6111-6	Hay Rack 7' x 14'	.20	10.6111-86	Tool & Nail Carrier	.20
10.6111-8	Nail Box	.20	10.6111-88	Portable Book Rack	.20
*10.6111-10	Saw Horse	.20	10.6111-89	Sewing Rack	.20
*10.6111-11	Sandpaper Block	.20	10.6111-91	What-Not for Corner	
*10.6111-12	Wagon Box 7' x 14'	.40		28" High	.20
10.6111-17	Halved Splice	.20	10.6111-92	4-Drawer Vertical Filing	
10.6111-18	Mortise & Tenon Joint	.20		Cabinet-Letter Size	
10.6111-19	Hammer Handle	.20		Drawer	.20
10.6111-21	Bench Hook	.20	10.6111-93	Open Book Rack	
10.6111-22	Bench & Milking Stool	.20		18" x 65"	.20
*10.6111-23	Creeper 18" x 3'-6"	.30	10.6111-94	Shoe Shining Stool	.10
10.6111-24	Drawing Board and "T"		10.6111-95	18" x 24" Wall Desk	
	Square	.20		Drawer 6" x 12" and	
10.6111-28	Kitchen Table	.20		Shelves	.10
10.6111-29	Farm Gate 16'	.20	10.6111-96	Wall Desk 18" x 24"	
10.6111-37	Ironing Board	.10		Shelves Only	.10
10.6111-42	Step Ladder 28" High	.20	10.6111-97	Drawer for Filing Cabinet	
10.6111-52	Bulletin Display Rack			6" x 20" x 18"	.10
	5' x 6' x 5 1/2"	.30	10.6111-98	12" x 18" Open File	
10.6111-54	Step Ladder 5' High	.20		Cabinet to Fit on Top of	
10.6111-55	Rolling Pin	.10		Table	.10
10.6111-63	Shop Bench	.20	10.6111-99	Sleeve Board	.10
*10.6111-69	Hay Rack 8' x 14'	.30	10.6111-100	Stepping Stone Form	
*10.6111-71	Miter Box 20" Long	.10		12" square	.20
10.6111-72	Bulletin Filing Cabinet		10.6111-101	Fuel Box 3' x 2' x 2'	.20
	27" x 4'11" High	.20	10.6111-103	Knife Rack	.10
*10.7422-1	Shop Bench with Rollaway		*10.444-1	Table-Pressures for	
	Storage Rack	.20		Oxygen-Acetylene welding	
*10.742-2	Floor Plan for Vocational			Blowpipes.	.90
	Agriculture Building,		*10.444-2	Hand Cutting Chart for	
	40' x 106' with 14'			Oxygen-Acetylene Cutting	.60
	extension on one end.		*10.444-3	Using the Arc Welder	.75
	Space is arranged to in-		*10.444-4	Using the Oxygen-Acety-	
	clude classroom, metal &			lene Welder	.75
	wood shop, and storage				
	rooms. Will accommodate				
	35-40 students.	.30			

*Denotes new plans

For further information on Farm Building & Equipment Plans See EC 722