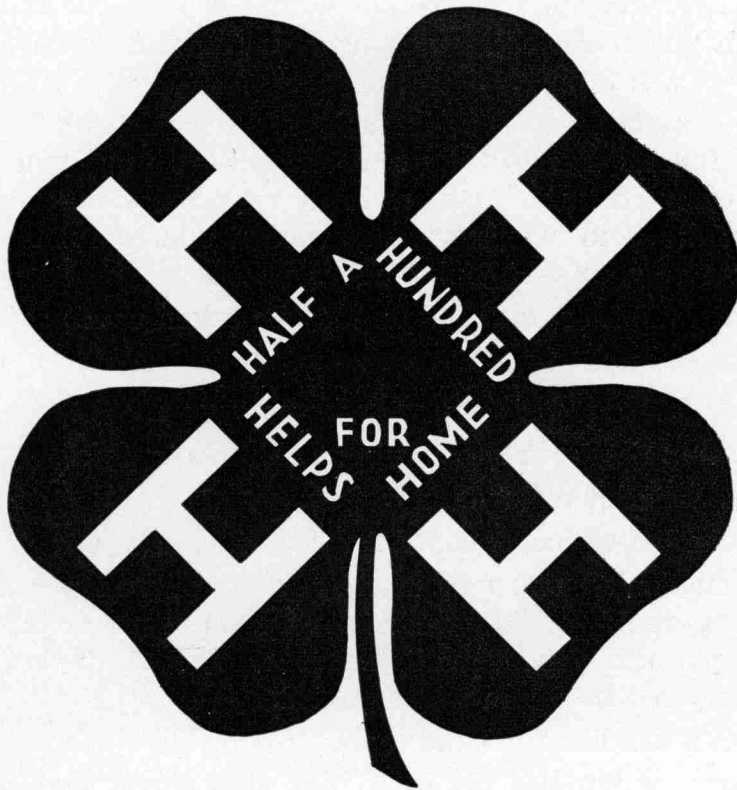


*Half a Hundred  
Helps for Home.*



NORTH CAROLINA STATE COLLEGE OF AGRICULTURE AND ENGINEERING  
OF THE  
UNIVERSITY OF NORTH CAROLINA  
AND  
U. S. DEPARTMENT OF AGRICULTURE, CO-OPERATING  
N. C. AGRICULTURAL EXTENSION SERVICE  
I. O. SCHAUB, DIRECTOR  
STATE COLLEGE STATION  
RALEIGH

# Half a Hundred Helps for Home

By

H. M. ELLIS

*Agricultural Engineering Extension Specialist, N. C. State College*

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## 4-H CLUB MEMBERS: DO YOUR BIT AT HOME

Opportunities to live up to the spirit of your pledge are presenting themselves daily to you 4-H Club boys and girls. Many times a few suggestions will help you to recognize these opportunities. Every boy and girl can do dozens of odd jobs around the farm that will make life more pleasant and more secure for all members of the family.

Below is a list of some of these jobs. With this to help you, go over the farm systematically and check the things you can do. As you complete each task, write a very brief description of what you did, and after your recorded list is complete, submit your paper to your 4-H Club leader.

The entire list, or one section, may be taken as a project.

### I. FARM SHOP PROJECT

1. Clean up the farm shop and put all tools in place.
2. Make a list of tools you now have.
3. Make a list of tools needed for your farm shop.
4. If you don't have a farm shop, start one. If possible, get your parents to allow the use of a shed room, or other suitable place. If none is available, at least get the tools together so they can be found when needed.
5. Make a tool box for hand tools.
6. Make new handles for tools that need them, such as hammers, axes, picks, hoes, rakes, forks, shovels, etc. You may need to split and season some hickory wood for this.
7. Make plow beams, if needed.
8. Make singletrees and doubletrees.
9. Sharpen all knives—including kitchen knives.
10. Make knife rack for kitchen.
11. Assemble all pieces of rope and hang these where they can be found when needed.

12. Gather all bolts, screws, nuts, and nails, and place in boxes convenient for use.
13. Assemble all scrap iron that you find as you go about the farm, while following these instructions. After you make sure that you are saving out all useable pieces, turn the remainder in to your nearest scrap collection center.
14. Repair farm roads to protect equipment.

## II. BUILDING REPAIR AND SAFETY PROJECT

15. Stop all leaks on all roofs.
16. Check all roofs for loose shingles, loose sheet iron, or torn places in roll roofing, and nail them down.
17. See that roofs are free of leaves and moss, that might catch a free spark from the chimney.
18. Repaint, with good paint, all metal roofing that is rusting or turning brown.
19. See that all metal roofs are properly grounded against lightning.
20. Replace all missing, or rotten boards, in the walls of all buildings.
21. Make all necessary repairs to stairways; check hand rails, loose, or missing steps, supports, etc.
22. Make needed repairs to screen doors and windows.
23. Replace broken glass in windows and doors.
24. Repair sagging, or tight doors.
25. Check all electric wiring to see that it is properly insulated.
26. Repair frayed and broken extension cords.
27. See that all stove pipes fit into chimney flue snugly.
28. Provide metal mats for stoves to sit on, to prevent coals from falling onto the floor.
29. Provide safe match boxes for matches.
30. Provide fire screens for open fires when no one is in the room.
31. Replace any loose, or missing bricks in backs of fireplaces.
32. Check gasoline and kerosene cans and see that there is no oily waste in places to start spontaneous combustion.
33. Place fire extinguishers, water barrels, or buckets of sand around house, barn and tool shed, with which to fight fires.

### III. FARM MACHINERY PROJECT

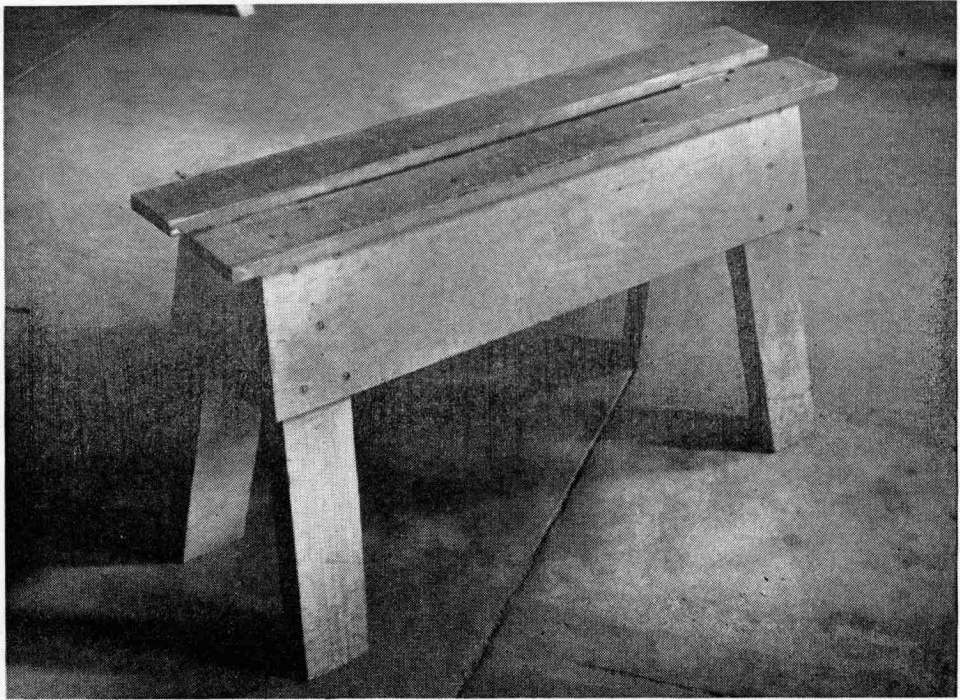
34. Gather up all implements, and if possible, place them under shelter.
35. Make a list of needed repairs for each machine and present list to your parents.
36. Clean fertilizer out of the distributor by washing, and grease the metal parts.
37. Collect all loose parts for machinery and hang these up.
38. Grind cast iron plow shares.
39. Assemble all shovels, sweeps, etc., that need sharpening, and then sharpen them.
40. Grease and hang up all shovels and sweeps.
41. Paint all wooden parts of farm implements, and paint or grease metal parts that need it.
42. Replace worn-out parts on all machines. Take one machine at a time and put it in as good condition as you can.
43. Scour rusty plow wings and grease with old motor oil.
44. See that water is drained from tractor radiator on cold nights.
45. Check solution in tractor tires and see that it is correct to prevent freezing.
46. Clean, and if necessary, repaint combine.
47. Clean, and if necessary, repaint peanut picker.
48. Clean, and if necessary, repaint tractor.
49. Clean and oil electric motors.
50. Look up, or obtain from dealers, maintenance information on motors, water systems, etc. Hang this information on a nail near the appliance.

As you carry out the above instructions, if you have an idea, or ideas, that might be of help to other 4-H boys and girls, write these up and submit them to your 4-H Club leader.

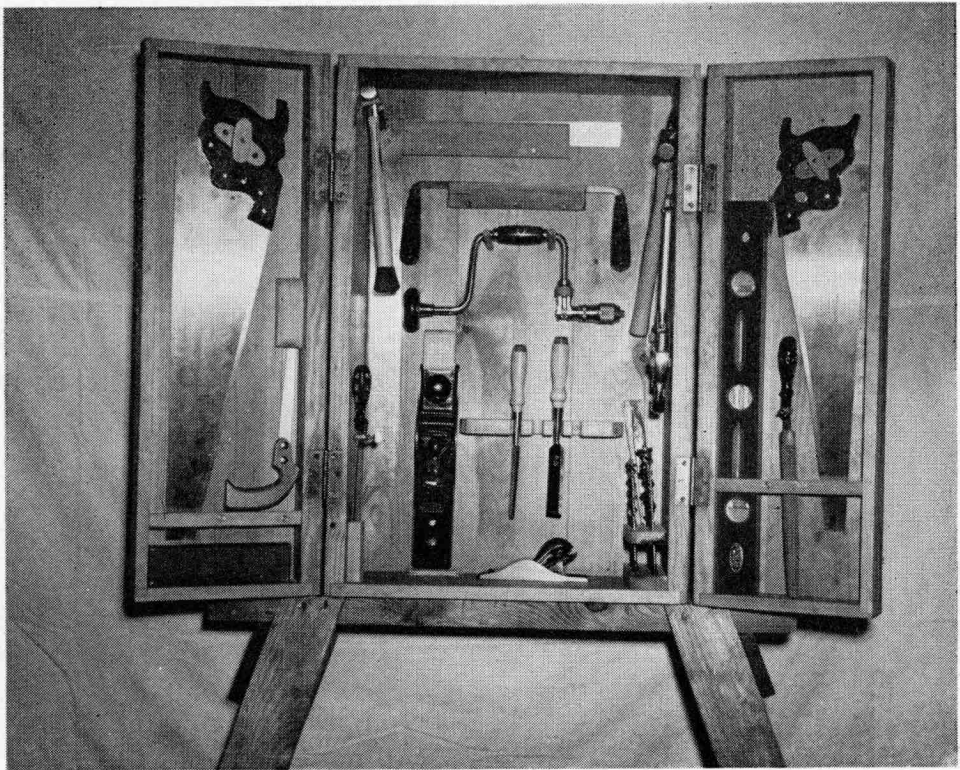
### SHOP SUGGESTIONS

In order to perform the many tasks that you will find around the farm, you must have a place in which to work. This place should be equipped with a workbench and with the necessary tools to do ordinary repair jobs.

The workbench should have a wood-working vise, and a metal-working vise. Tools should be kept in a wall-type tool cabinet, a



**SPLIT-TOP SAW BENCH**



**WALL TOOL-CABINET**

tool chest, or mounted on a panel. Each tool should have a definite place and when not in use should be kept there.

When you buy tools, buy good ones; they are worth what they cost. So called "cheap" tools are the most expensive in the long run. Most of us will take better care of a tool that shows quality than of one that shows its cheapness. Add to your collection slowly and study each tool before buying it.



**HOME-MADE TOOL CHEST**