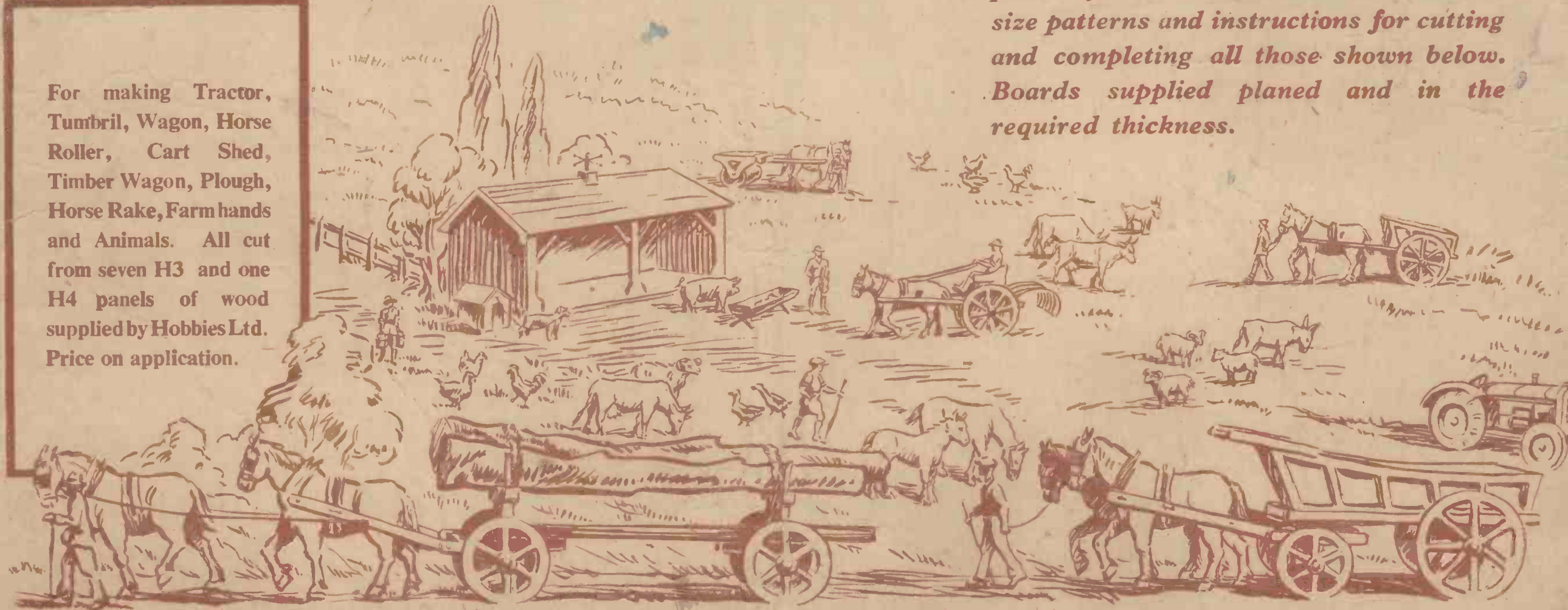


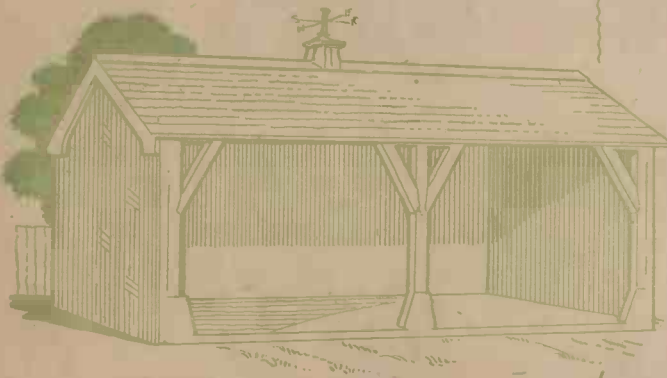
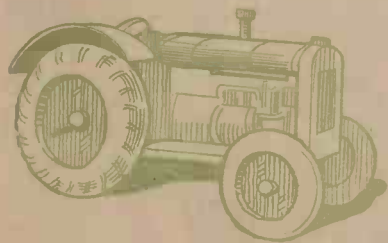
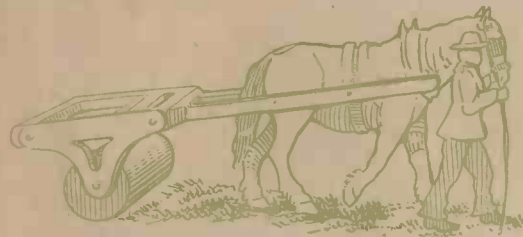
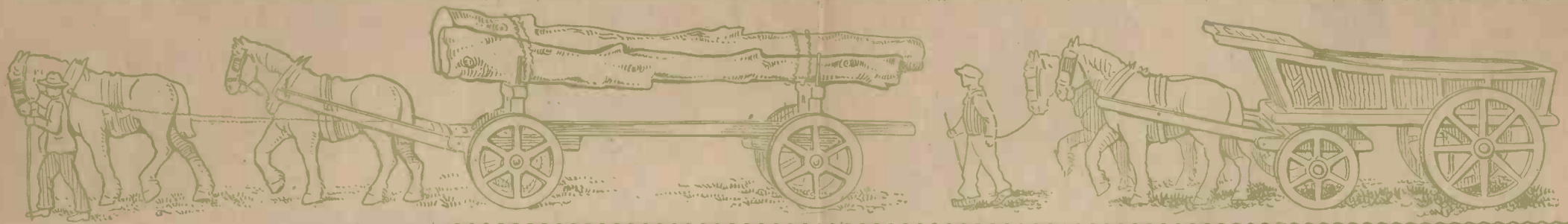


MODEL FARM ANIMALS AND IMPLEMENTS

For making Tractor, Tumbrel, Wagon, Horse Roller, Cart Shed, Timber Wagon, Plough, Horse Rake, Farm hands and Animals. All cut from seven H3 and one H4 panels of wood supplied by Hobbies Ltd. Price on application.

You can complete a full range of people, animals and implements for a splendid model farm with a fretsaw and a few pieces of wood. Eight sheets contain full size patterns and instructions for cutting and completing all those shown below. Boards supplied planed and in the required thickness.

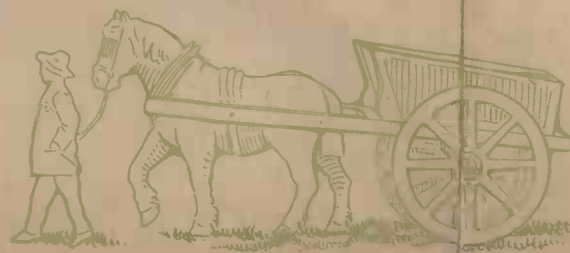
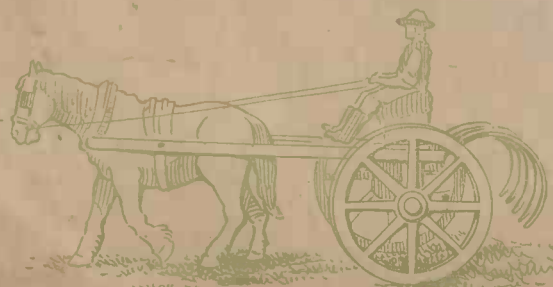




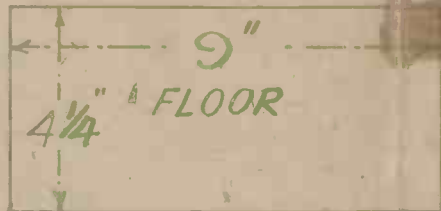
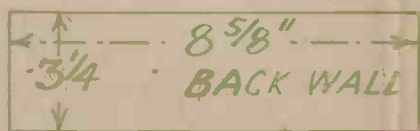
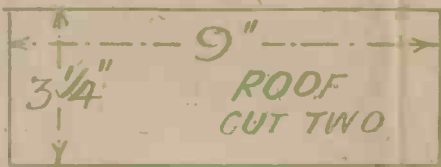
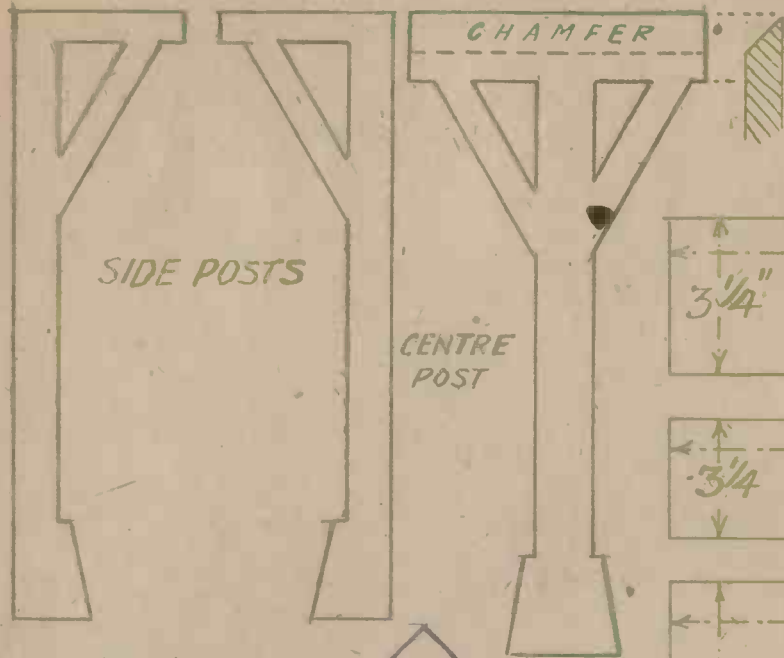
MODEL FARM IMPLEMENTS FIGURES AND ANIMALS

PATTERNS and details are provided on these sheets for making the realistic little models here shown. Wood $\frac{3}{16}$ in. thick is required for most parts, but $\frac{1}{4}$ in. or $\frac{3}{8}$ in. is recommended for the animals to make them stand. The parts are cut out with the fretsaw, cleaned up and fitted together as marked. Painting in the realistic colours can be added according to ability, or the whole models can be painted in one solid colour of green or brown. Wheels are made to revolve by using tiny round-head screws as axles. The animals and figures can be made to stand by gluing them to a small base of flat wood or by gluing a square block behind. These can be cut from the $\frac{3}{16}$ in. wood and are glued in line with the bottom edge of the foot, hoof or other similar part. If $\frac{3}{8}$ in. wood is used for the animals,

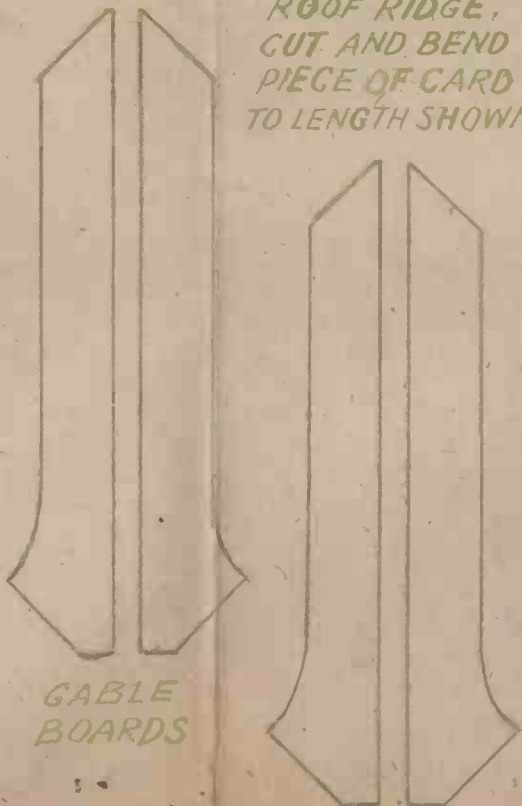
the edges can be rounded to make them more realistic, and at least some of the figurework carved in with a very sharp penknife. Much can be done by careful addition of painting, as in the case of the actual engine of the tractor. The horses are swung between the shafts by means of a single wire driven through the bellyband into the thickness of the shaft itself. If this is done carefully from the inside, it need not project right through and be visible. Cotton or fine string can make reins, etc., and even tiny harness can be added by clever fingers. Special panels of wood for all parts are supplied by Hobbies Ltd. You need seven H3 panels which are $\frac{3}{16}$ in. thick, and one H4 which is $\frac{1}{4}$ in. thick. Fit all patterns in place before commencing to cut.



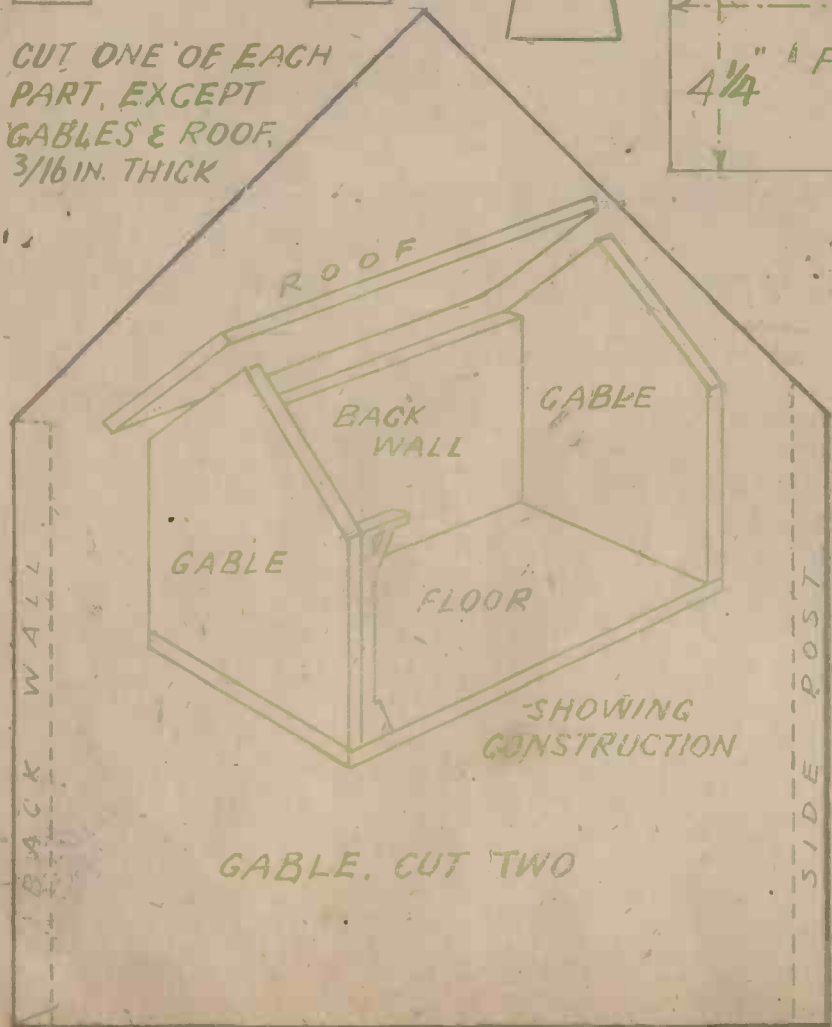
CART AND IMPLEMENT SHED



ROOF RIDGE. CUT AND BEND PIECE OF CARD TO LENGTH SHOWN

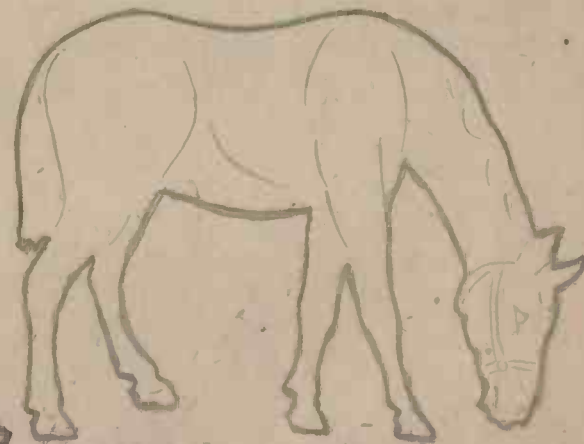
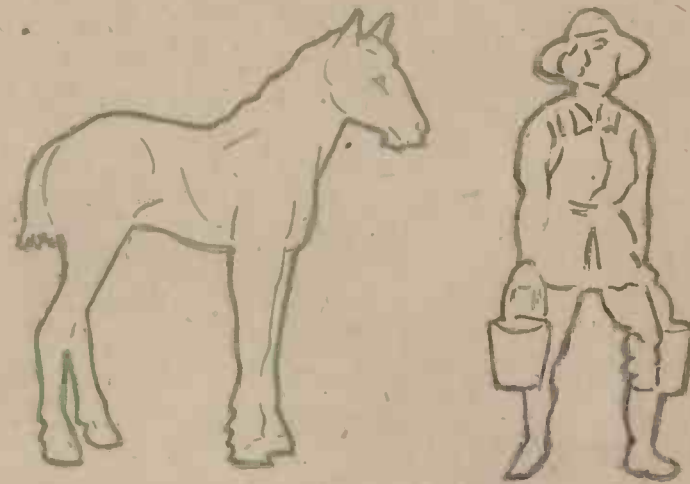


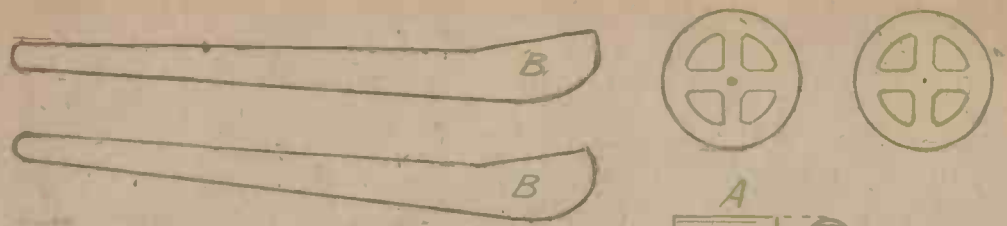
CUT ONE OF EACH PART, EXCEPT GABLES & ROOF, 3/16 IN. THICK



THE open cart shed is built as the detail shows. Glue the back wall between the ends and stand on the floor. Add the two pieces of the roof and cover the joint at the ridge with a piece of card bent to a right angle. Support parts are added inside the front at each

end, and another in the centre. Note that the middle post must be chamfered at the top to fit angle of roof. Gable boards glued on to cover joint of roof and ends. Pediment and weathervane can be made from tiny block and wire, or omitted.

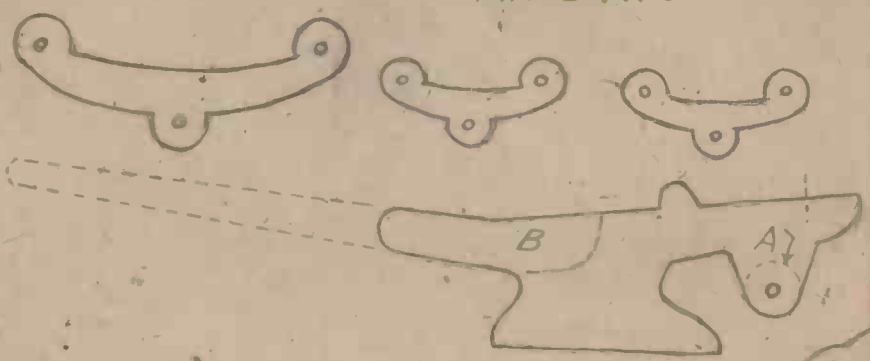
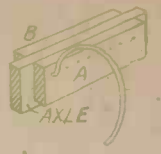




A
MAKE TWO

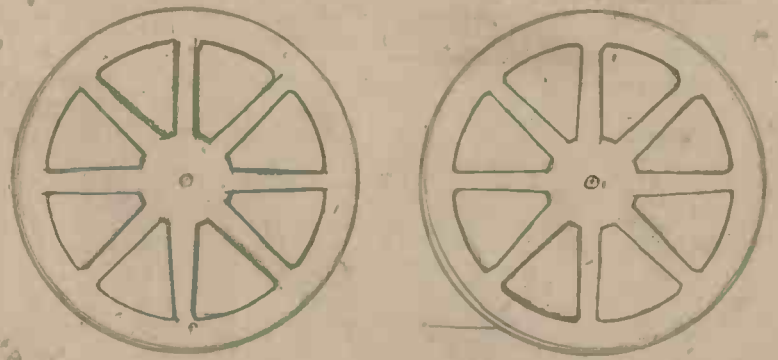
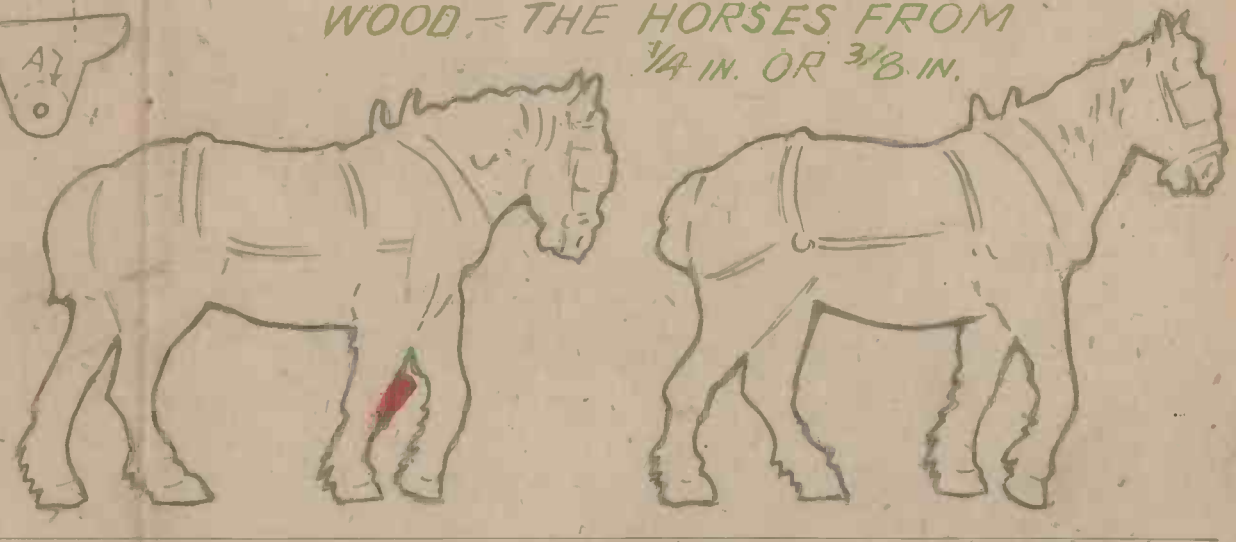


THE detail on the extreme left shows formation of plough. Chamfer the wide ends of B to make the handles stand out at an angle when glued to A. Fit a stiff piece of wire through the hole and thread on the dowel length and then a wheel. The brackets behind the two horses are fitted together with a wire as shown in the other detail. On the right the construction of the rake is illustrated, all glued below the long board at position shown by dotted lines.

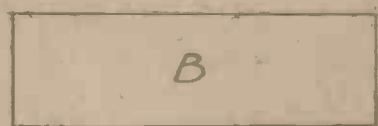
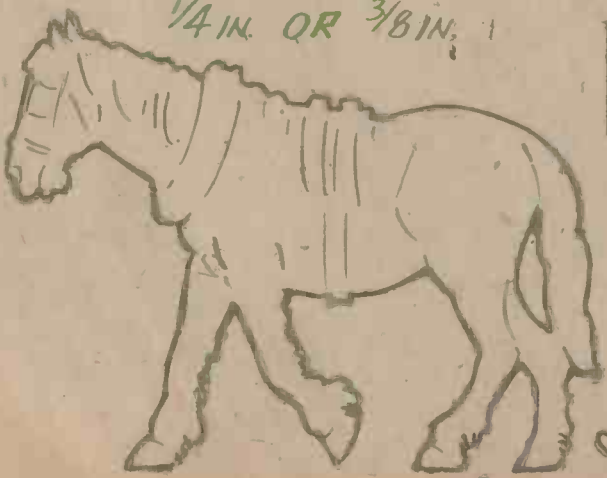


PLOUGH WITH TWO HORSES AND PLOUGHMAN

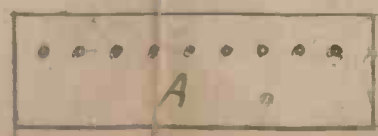
CUT EACH PART FROM $\frac{3}{16}$ IN. WOOD - THE HORSES FROM $\frac{1}{4}$ IN. OR $\frac{3}{8}$ IN.



HORSE FROM $\frac{1}{4}$ IN. OR $\frac{3}{8}$ IN.

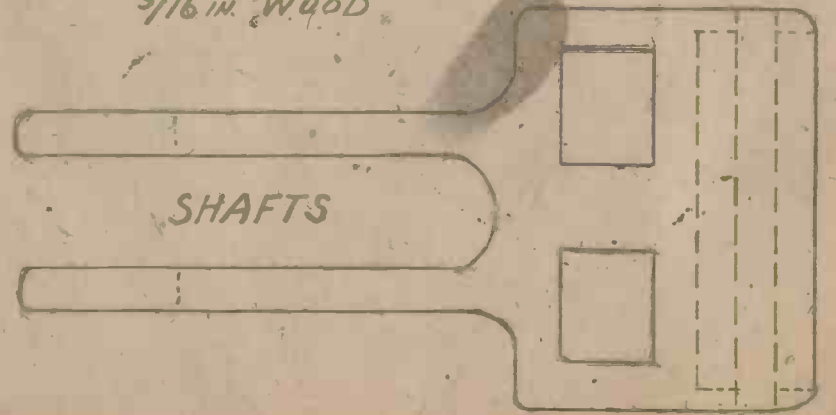


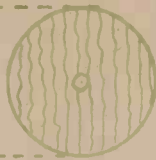
WIRE. BEND NINE PIECES TO THIS SHAPE



THE HORSE RAKE WITH DRIVER

CUT EACH PART FROM $\frac{3}{16}$ IN. WOOD

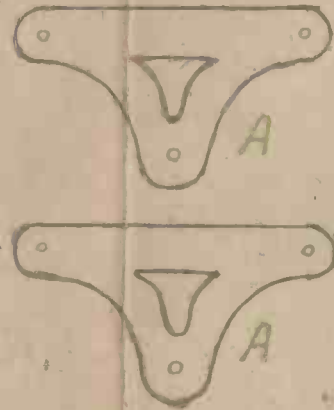
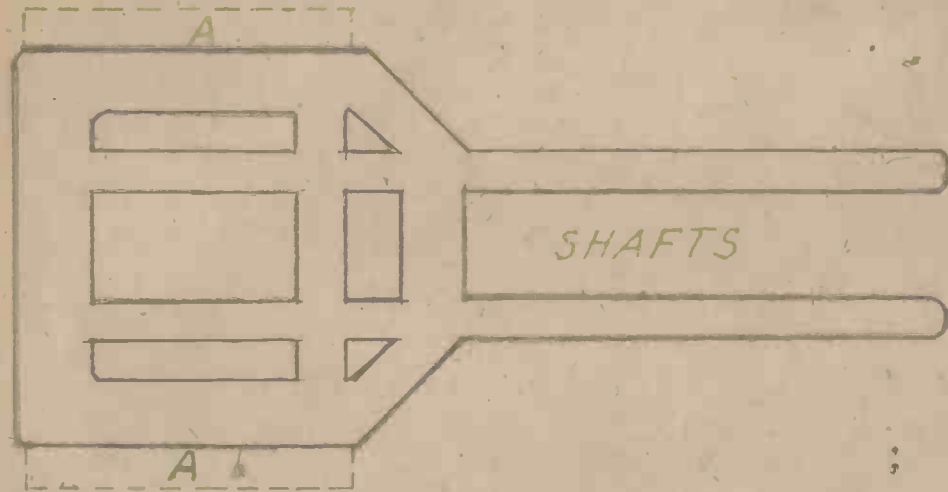




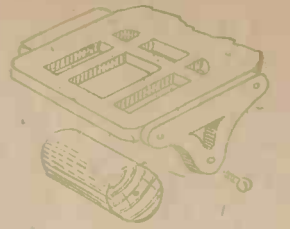
THE HORSE ROLLER WITH DRIVER

CUT EACH PART FROM
 $\frac{3}{16}$ IN. WOOD

ROLLER MADE FROM PIECE
OF $\frac{3}{4}$ IN. DIA. DOWEL ROD



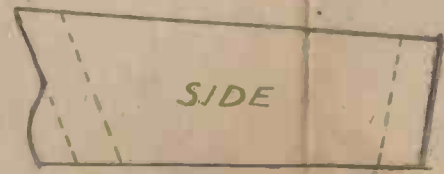
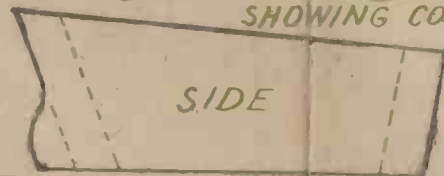
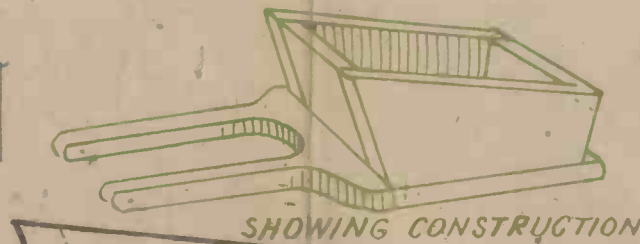
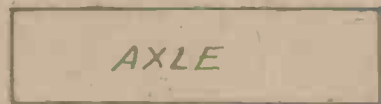
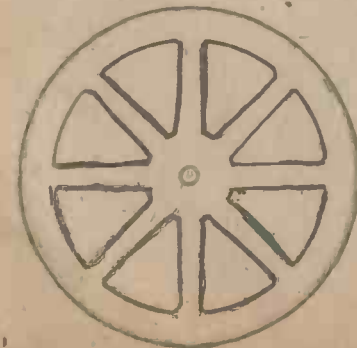
HORSE FROM
 $\frac{1}{4}$ IN. OR $\frac{3}{8}$ IN.



THE detail shows construction of the roller and alternative method of fixing. Either a wire can be run through its centre as shown by dotted lines on pattern or a screw each end can form the axle. The latter is easier. Glue and screw the drop sides on firmly and be sure the "roller" piece is parallel to the top to run true.

THE TUMBREL, WITH DRIVER

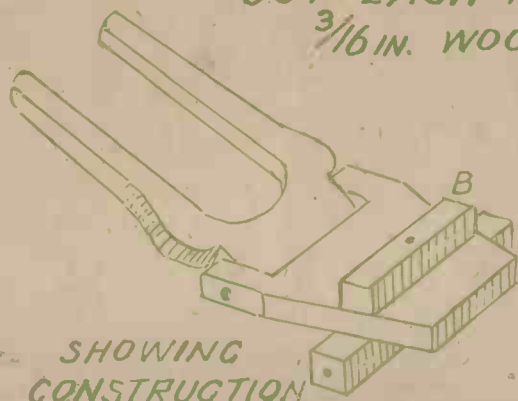
CUT EACH PART FROM
 $\frac{3}{16}$ IN. WOOD



THE FARM WAGON WITH DRIVER

CUT EACH PART FROM

$\frac{3}{16}$ IN. WOOD



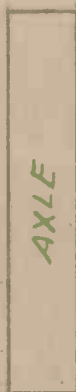
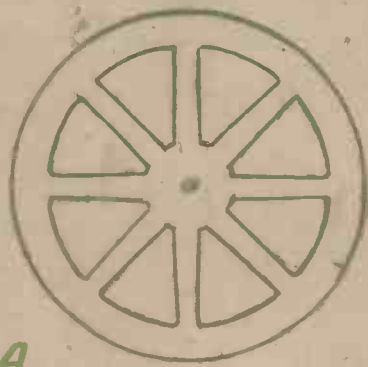
SHOWING
CONSTRUCTION



A



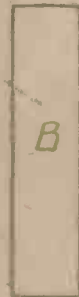
HORSES
FROM $\frac{1}{4}$ IN. OR $\frac{3}{8}$ IN.



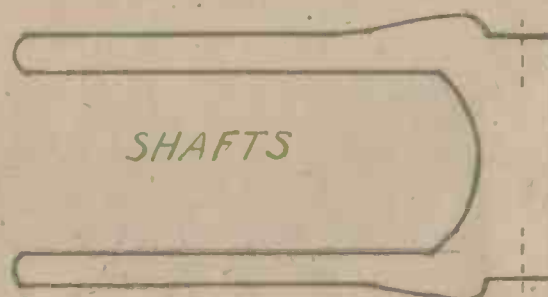
AXLE



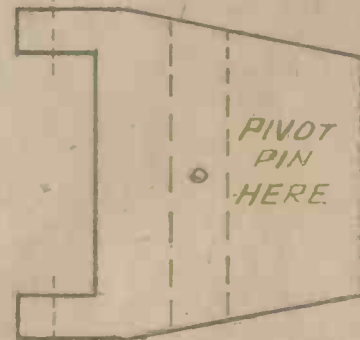
AXLE



B



SHAFTS



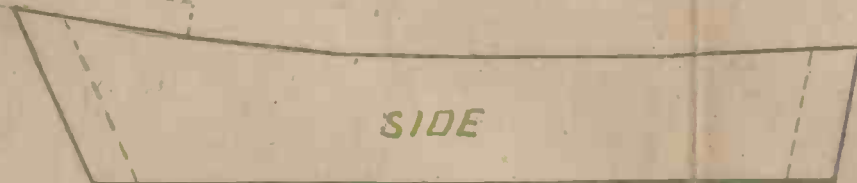
PIVOT
PIN
HERE



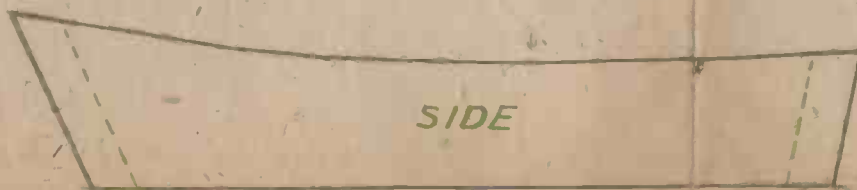
BACK



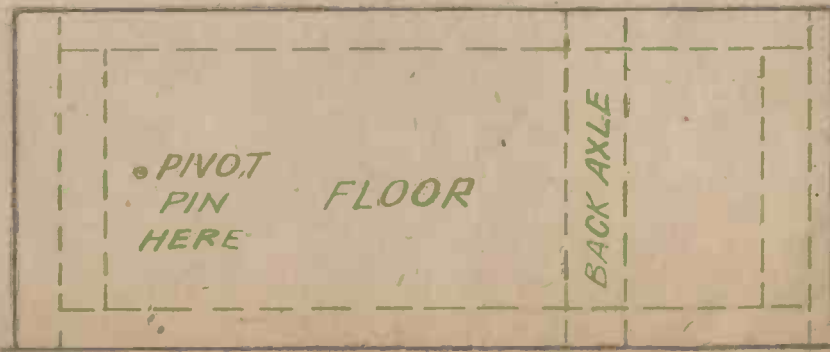
FRONT



SIDE



SIDE



PIVOT
PIN
HERE

FLOOR

BACK
AXLE

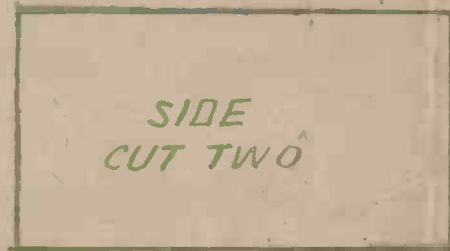
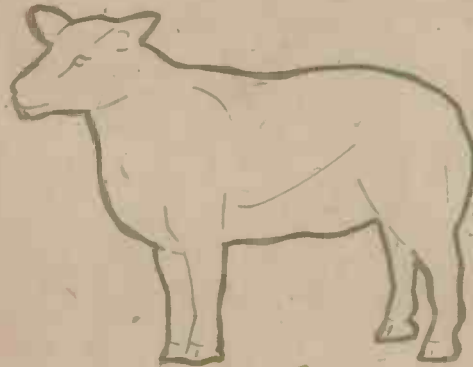
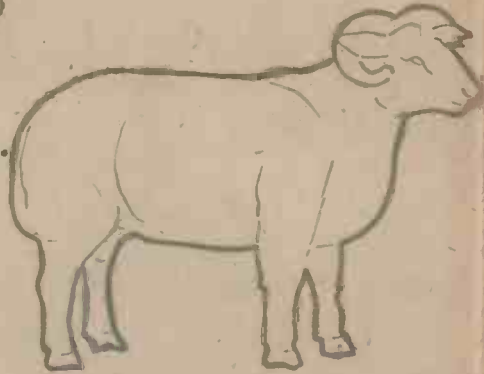
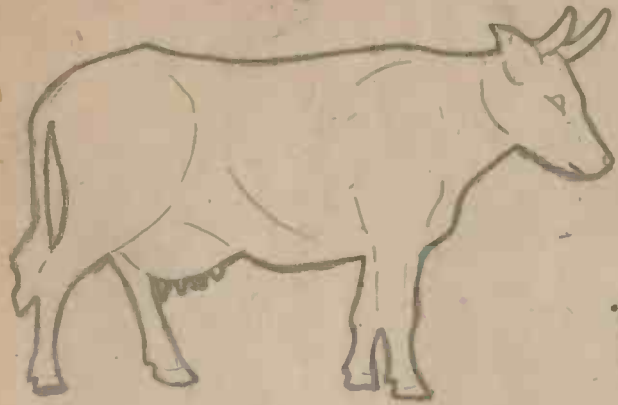
DETAIL here shows construction of wagon body. Back and front glued between sides. Projecting portions then filed or sandpapered away to bring all edges flush. Glue all to floor (note projection front and rear) and fix axle bar on underside at position shown. Construction of pivoted front axle and shafts shown in detail diagram. Wheels are fixed with screws and whole thing

swivelled on a long round-head screw through part B, at position marked for the pivot pin on the floor pattern.

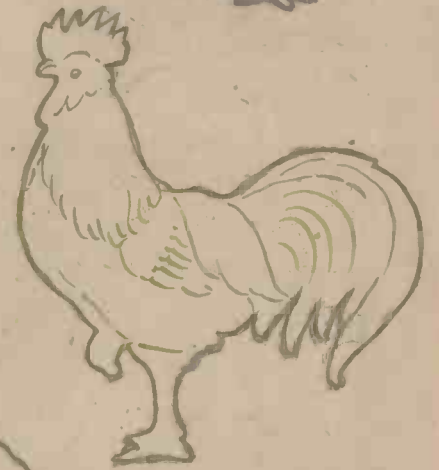


CUT EACH PART
FROM 3/16 IN. WOOD

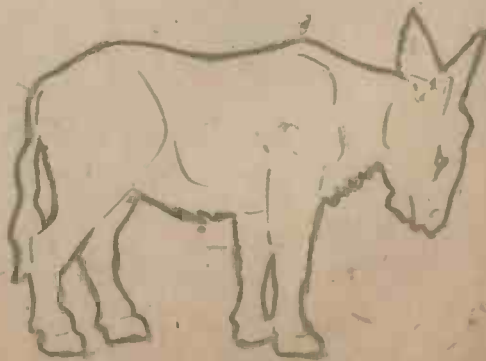
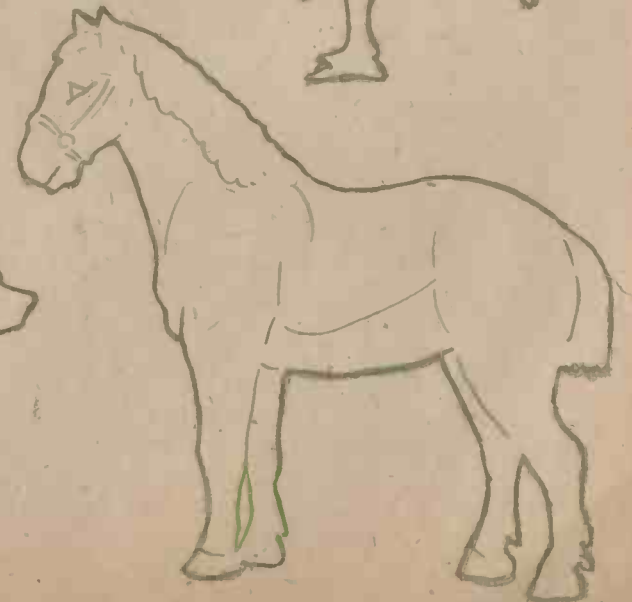
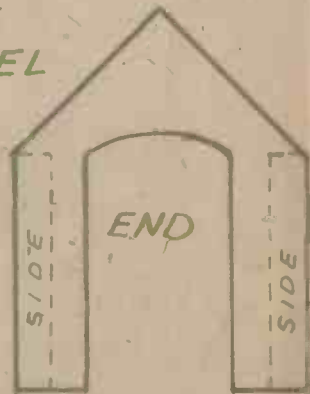
THE animals are cut to outline in 3/16 in. wood, but will stand better and can be rounded off more if cut from a 1/4 in. or 3/8 in. board. To make them stand, add a strip or block behind level with bottom edge. The detail shows construction of the kennel. Roof is of card bent as shown and glued to chamfered top edges of sides. It projects slightly both ends, and over the sides as well. Inside blocks can be added if necessary for further strength.

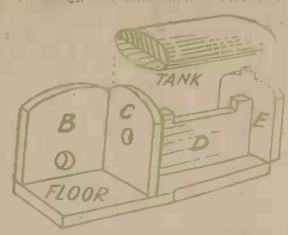
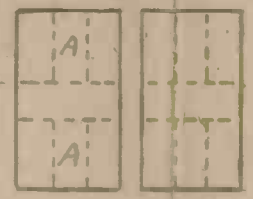
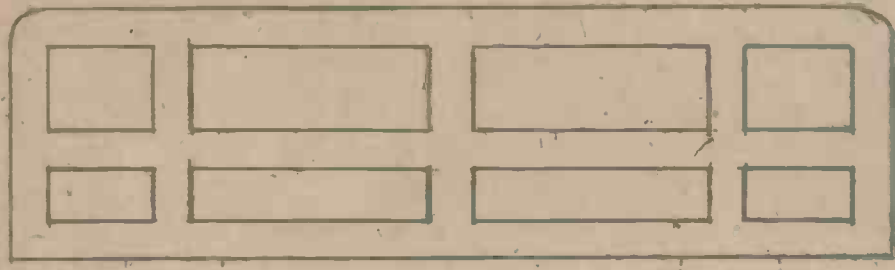
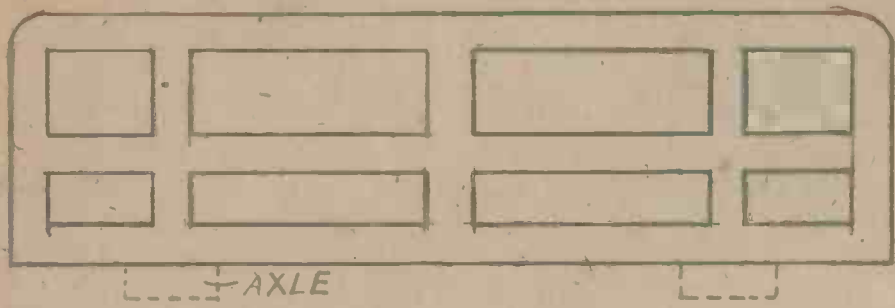


ROOF, MADE
OF CARD BENT UP
AND GLUED ON

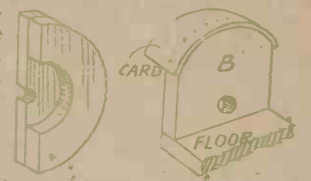


THE
KENNEL



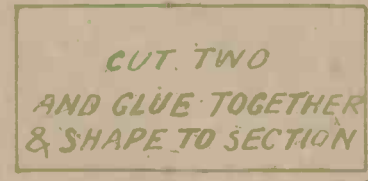
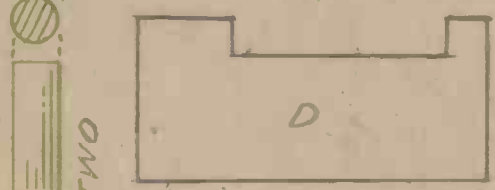
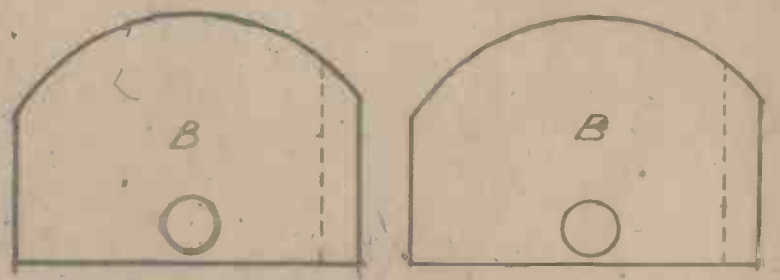
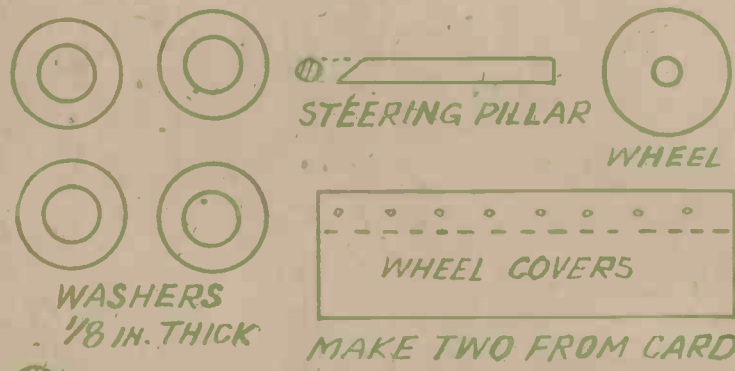
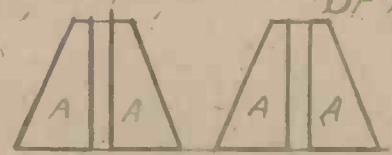


DETAIL on left shows general framework of Tractor with parts glued to floor. The tank is made of two pieces glued together, rounded off and glued between C and E on D. Steering column fix into C at an angle with wheel on top nicely rounded. Detail on right shows formation of wheel before outer edge rounded to represent tyre. The covers are card rounded on to B as shown in drawing on right.

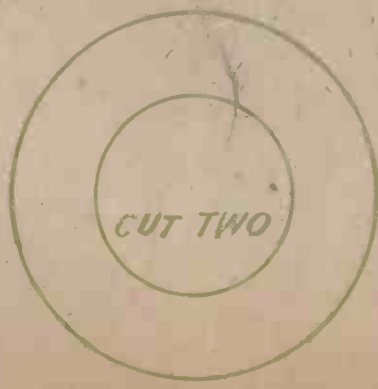
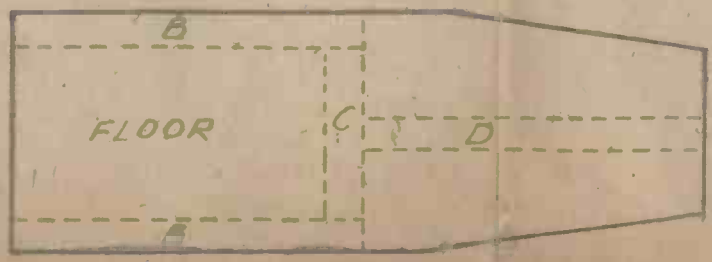
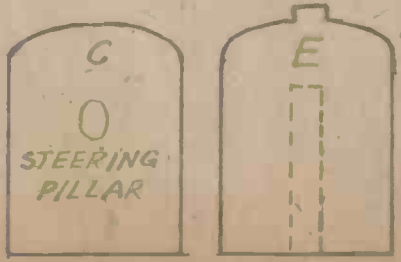


SHEEP HURDLES WITH WHEELS
 CUT ONE OF EACH PART FROM 3/16 IN. WOOD

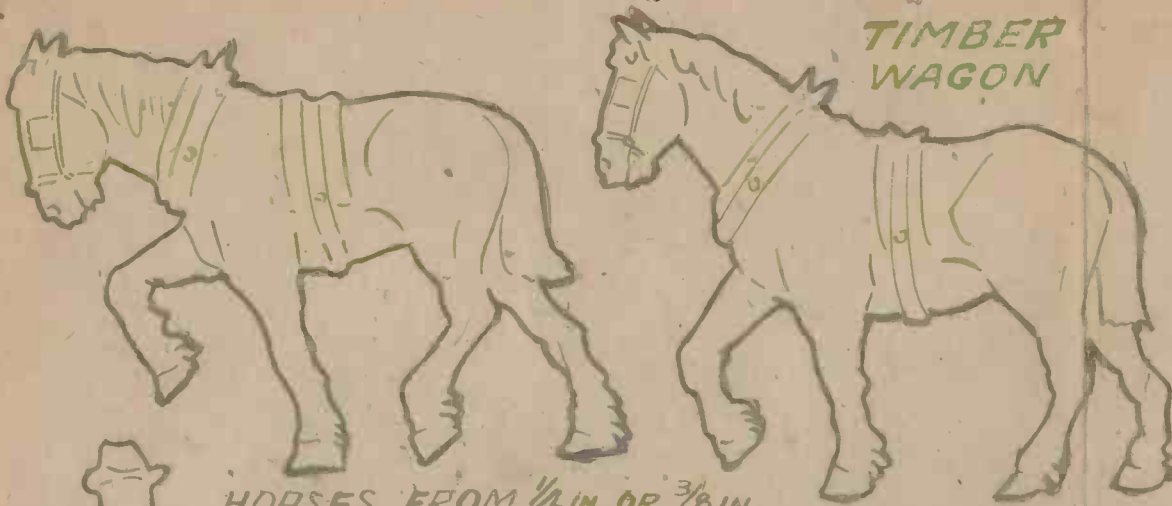
SHOWING CONSTRUCTION OF AXLES ETC.



AXLE. MAKE TWO

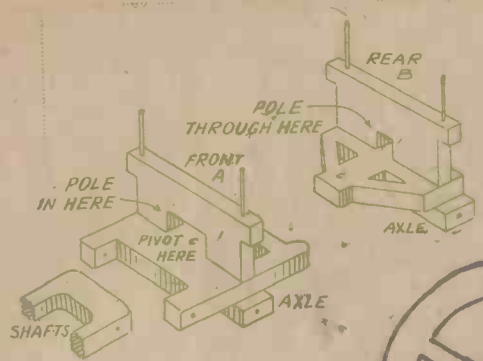


THE FARM TRACTOR
 CUT ONE OF EACH PART EXCEPT WHERE OTHERWISE STATED 3/16 IN.

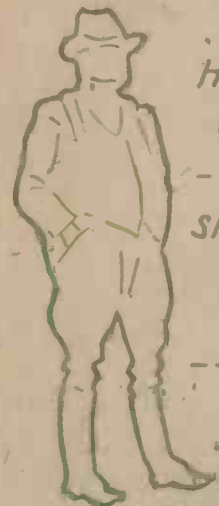
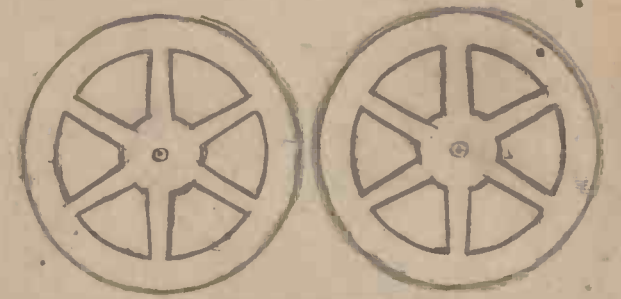


TIMBER WAGON

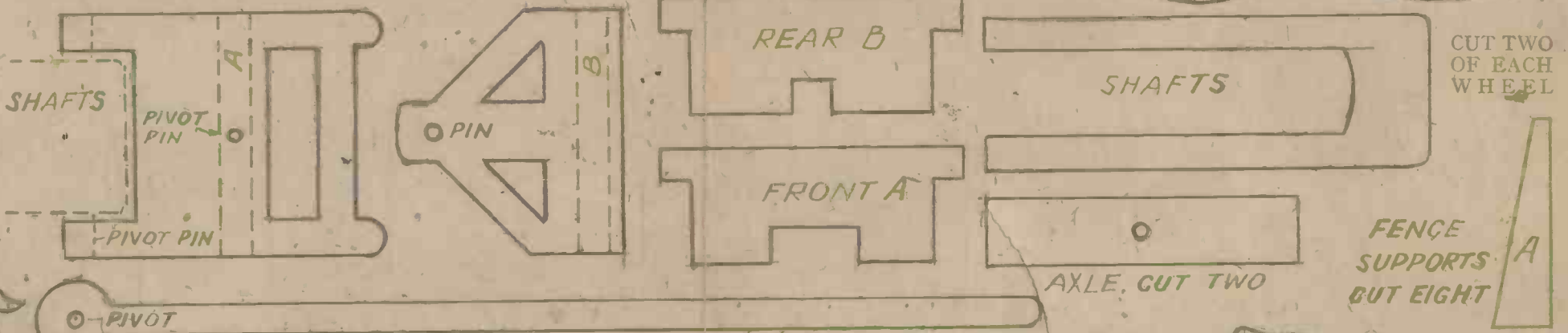
HORSES, FROM 1/4 IN. OR 3/8 IN.



THE detail on the left shows construction of wagon in conjunction with the drawing of the finished model. The pole between the two parts is pivoted at front end by a small cotter pin dropped through. A series of holes 1/4 in. apart are drilled other end of pole, and a second cotter pin, or even nail, dropped through into the hole in the rear portion. Note headless nails or long pins in uprights to hold the "timber."



FARMER



POLE

CUT EACH PART FROM 3/16 IN. WOOD

