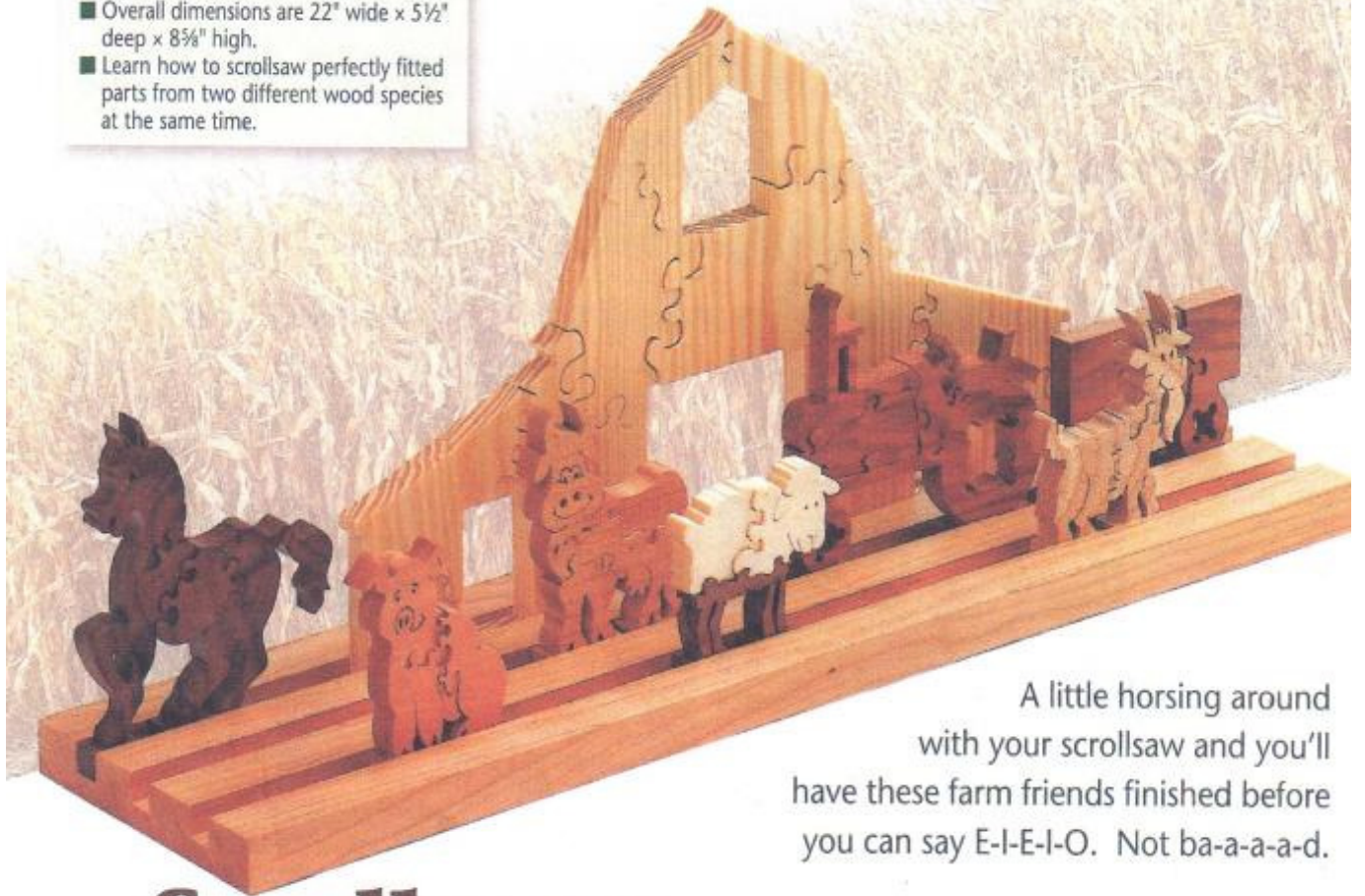


## PROJECT HIGHLIGHTS

- Overall dimensions are 22" wide x 5½" deep x 8¾" high.
- Learn how to scrollsaw perfectly fitted parts from two different wood species at the same time.



A little horsing around with your scrollsaw and you'll have these farm friends finished before you can say E-I-E-I-O. Not ba-a-a-d.

# Scrollsawn Barnyard Puzzle

This herd of happy animals is a puzzle within a puzzle, where each one can be assembled and repositioned on the slotted base for hours of play.

## Animal hows

**1** Edge-glue a panel for the barn (A) blank. Then cut blanks for parts B-I and cut the base (J) to size [Materials List, page 65]. Sand the blanks to 180 grit.

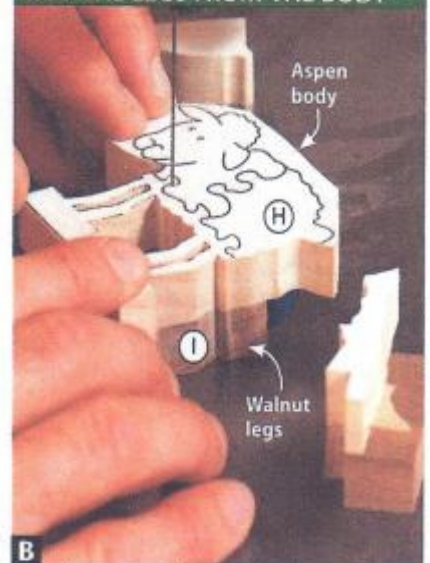
**2** Download [see **More Resources**] or photocopy patterns for the barn (A), horse (B), cow (C), goat (D), pig (E), tractor (F), wagon (G), sheep body (H), and sheep legs (I). Apply the patterns to blanks using spray adhesive, noting the grain orientation shown. Using a #2 scrollsaw blade, cut the outlines of parts A-G. For the sheep, attach the leg (I) blank to the underside of the body (H) blank with double-faced tape [Photo A], and cut the legs.

### CUT TWO BLANKS AT ONCE

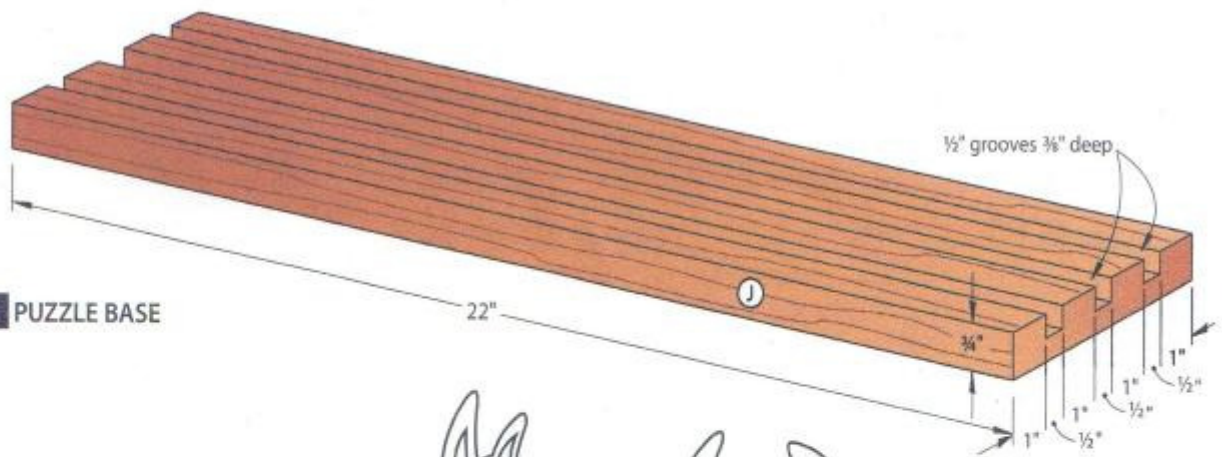


Adhere a blank for the sheep legs (I) to the body (H), and saw out waste between both pairs of legs. Then saw away waste along the outsides of the legs.

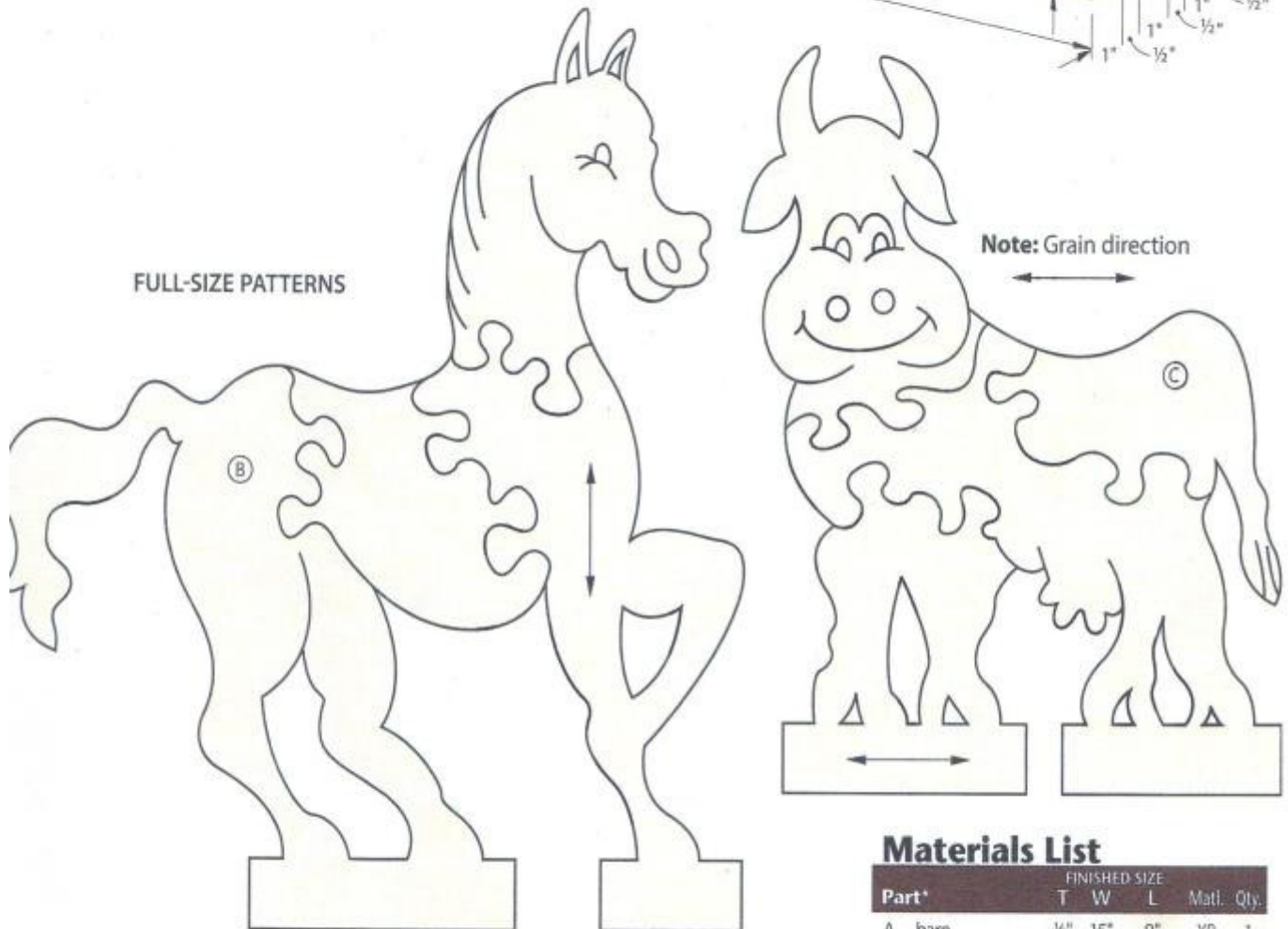
### CUT THE LEGS FROM THE BODY



Saw the curves of the puzzle parts to separate the sheep legs (I) from the body (H). Remove the waste still taped to the body before sawing the rest of the sheep body.



**1** PUZZLE BASE



FULL-SIZE PATTERNS

Note: Grain direction

**3** Switch to a #2/0 blade for a close fit between the puzzle pieces. Drill and cut the animal faces. Then cut the individual puzzle parts where shown on the patterns [Photo B].

**4** Cut  $\frac{1}{2}$ " grooves  $\frac{3}{8}$ " deep in the base (J) where shown [Drawing 1]. Sand the base to 180 grit, touch-up-sand the figures as needed and apply three coats of clear finish. (We used spray lacquer, sanding between coats with 320-grit sandpaper.)

## MORE RESOURCES

### DOWNLOADABLE PATTERNS

■ Don't want to cut up this magazine? You'll find free downloadable patterns of all the animals and figures at [woodmagazine.com/barnyard](http://woodmagazine.com/barnyard).

### ADDITIONAL PUZZLE PLANS

■ Go wild with our safari scrollsaw puzzle at [woodmagazine.com/safari](http://woodmagazine.com/safari). \$

■ Reel in a big one—our fish scrollsaw puzzle—at [woodmagazine.com/fishy](http://woodmagazine.com/fishy). \$

While you're there, look at plans for our other games and puzzles.

(\$—Download this article from [woodmagazine.com/plans](http://woodmagazine.com/plans) for a small fee. Type "puzzle" in the Search box.)

## Materials List

Part*	FINISHED SIZE			Matl.	Qty.
	T	W	L		
A barn	$\frac{1}{2}$ "	15"	9"	YP	1
B horse	$\frac{1}{2}$ "	5 $\frac{1}{4}$ "	5 $\frac{1}{4}$ "	W	1
C cow	$\frac{1}{2}$ "	4 $\frac{1}{4}$ "	3 $\frac{3}{4}$ "	C	1
D goat	$\frac{1}{2}$ "	4"	3 $\frac{1}{2}$ "	A	1
E pig	$\frac{1}{2}$ "	3 $\frac{1}{2}$ "	3"	L	1
F tractor	$\frac{1}{2}$ "	5"	5 $\frac{1}{2}$ "	R	1
G wagon	$\frac{1}{2}$ "	3"	5 $\frac{1}{4}$ "	R	1
H sheep body	$\frac{1}{2}$ "	3 $\frac{3}{4}$ "	3 $\frac{1}{2}$ "	AS	1
I sheep legs	$\frac{1}{2}$ "	2"	3 $\frac{1}{2}$ "	W	1
J base	$\frac{3}{4}$ "	5 $\frac{1}{2}$ "	22"	C	1

\*All part dimensions, except for the base (J), are for blanks to be scrollsawn.

**Materials key:** YP—yellow pine, W—walnut, C—cherry, A—ash, L—Lyptus, R—redwood, AS—aspens.

**Supplies:** Double-faced tape.

**Blades and bit:**  $\frac{1}{2}$ " dado set, #2 and #2/0 scrollsaw blades,  $\frac{1}{8}$ " drill bit.

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Project design: **Kevin Boyle**

Illustrations: **Roxanne LeMoine**; **Lorna Johnson**

FULL-SIZE PATTERNS

COPY BOTH SIDES OF  
BARN AND REALIGN TO  
FORM ONE PATTERN.

