

Vintage Machinery: Discovery

Hobart Vintage Machinery Society are proud to display a tribute to an Australian farming legend at the 2012 Show -
The Howard Tractor.

1) Australian made farming machinery.

Name at least two Australian firms that designed and built farm machinery in Australia.

1) _____ 2) _____

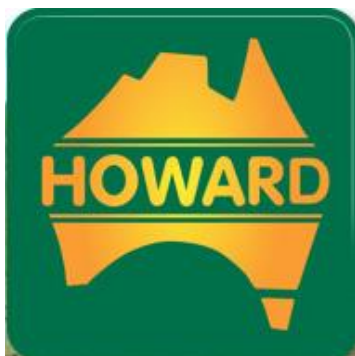
What is a rotary hoe? _____

What is possibly the most famous rotary hoe in Australia? _____

Why do we hoe ground?

What does the rotary hoe do?

TASK: Find 2 or 3 types of rotary hoe. Find an Australian built tractor.



Cliff Howard driving the first Rotavator on his farm at Gilgandra, N.S.W.

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Other educational highlights at Vintage Machinery 2012.

2) Hay baling using early type hay baler, belt driven by early tractor.

What is hay made of? _____

Why do we bale it? _____

Why do we store it in sheds or under cover?

TASK: Find a hay baler.

3) Seed cleaning, three stages demonstrated

a) By throwing in the air to let the breeze blow the chaff away (ancient Egyptians)

b) Using hand sieves

c) Using a perforated drum driven by a vintage engine.
(Early to mid-1900s).

How does the wind clean the seed?

What is the clean seed used for? _____

Why do we need to clean seed? _____

TASK: Find a seed cleaner.

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4) Timber harvesting evolution.

- a) Axe
- b) Crosscut saw
- c) Adze
- d) Dragsaw
- e) Chainsaw

What were the first axes made of?

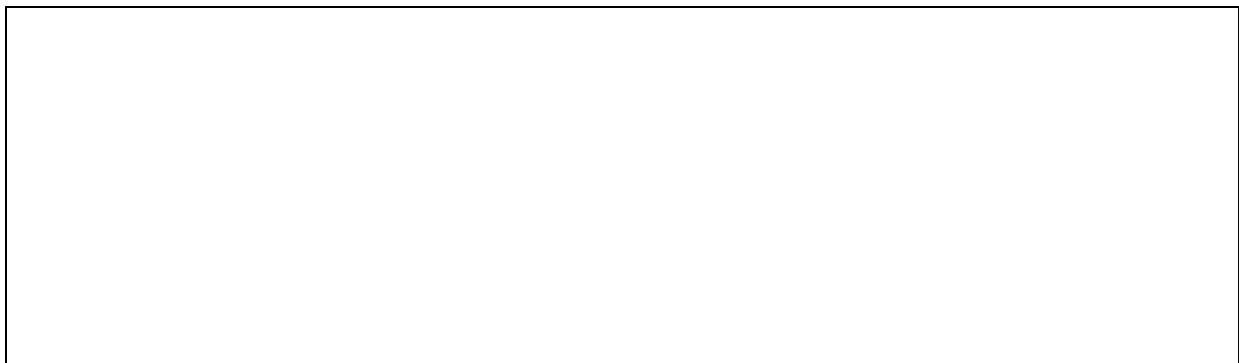
What are some of the uses of timber?

Why did dragsaws and chainsaws replace axes?

What is used now to replace the adze?

TASK: Find the dragsaw and a chainsaw

Draw one of them.



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5) Separating milk from cream.

Using cows' milk and a vintage hand driven separator.

Why do we need to separate the milk and cream?

Do only cows give milk?

Do cows (sheep and goats) give pasteurised milk?

Can we separate the milk we buy today, and get free cream?

TASK: Find the separator. Where does the cream come out of?

FAST FACTS

Pasteurising is a process in a factory, used to remove unwanted bacteria from milk.

Homogenized milk is milk mixed together with the cream and cannot be separated.

Cows, sheep and goats milk are all commonly used by humans.

The first axes were made of stone by pre-historic man.

Electric planers and other machinery have now replaced the work previously done by an adze.

Because of fuel rationing in WWII, another way of making fuel (gas) was used. This usually involved attaching a small coal burner to the rear of the vehicle to produce the gas.

Wind is an efficient seed cleaner because the seed is heavier, the lighter chaff blows away easiest, and the heavy seed falls straight down.

Hay is made from grass and clover from paddocks.

Hay is baled to make it easier to handle. The shape of the hay bale depends on the machine being used.