

Fence Post Peeler

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Frame

Cut 4 pieces of channel iron for the two long sides and 4 pieces of 1 1/2" angle iron for the upright supports. Weld these together to form two rectangles. Cut 2 short pieces of channel and 2 short pieces of angle to connect the two rectangles. Weld these to form a box-type rectangle. For the peeler head supports cut two pieces of 4" angle, measured 30" up from the bottom of the frame and weld one on each side. These pieces of angle will support the pillar blocks on each side of the peeler head. To help stabilize this angle cut two pieces of 1 1/2" angle and weld them from the center to the bottom on each side.

For the post supports use 3 conveyor rollers to help hold and support the post when peeling them.

Enclose the peeler head part of the frame for safety. Cut a piece of 13 gauge metal to fit the top of the frame and bolt on. For the sides use heavy gauge expanded metal and cut out holes for the peeler shaft to fit through. Fasten sides by drilling holes in the frame and bolting them on with 1/2" bolts. To make the peeler portable rig up a 3-point hitch on one end. Weld the side pins 12" from the bottom of the frame and bolt a piece of angle across the middle with some top link ears welded to it.

Peeler Head

Cut two 12" discs out of 5/16" plate. Take this plate and drill a series of holes around the outside edge and another series along the inside edge. There are ten holes around each edge for U bolts to fit in, so the holes should be drilled in groups of two. Next take two 2" steel collars with keyways in them and weld them to the plate.

Take a 24" piece of 2" diameter stock to make the peeler shaft. Turn down one end to fit the PTO universal joint and cut keyway slots in the shaft 12" apart. To assemble the peeler head slide one plate on one end of the shaft, and then slip a piece of 2 1/2" diameter steel tubing down against it. Then slide down the other plate. The piece of steel tubing is 12" long so it acts as a spacer when the peeler chains are tightened up. Center the disc and tighten down the alien screws in the collars on the keys in the shaft keyways.

Hook up the peeler chains. Cut these up in the lengths needed with bolt cutters. There are a total of 5 sets or ten chains used on the peeler head. Hook a U bolt through each end of the lengths and stick them through each plate with one U bolt fitted through the outer edge of one plate and the inner edge of the other. Then take the next chain and fit it up just the opposite. Even though the chains are pulled up tight they need a way to give a little for safety and to prevent damage to the head. Take some heavy duty hydraulic hose and cut up some 1 1/2" sections with a hand hack saw. Slip these over each side of the U bolts and then pull the chains up tight with fiat washers and nuts. These sections of hose act as sort of a clutch to enable the chains to give a little if necessary. Take two 2" pillar blocks and put one on each side of the shaft. Put the peeler head in the frame and mark off where to cut the holes to bolt the pillar blocks on. After cutting the holes bolt the pillar blocks down. With the head in place bolt the expanded metal back on the sides and paint the frame with a rust resistant paint.

Frame: Materials Used

Channel (3") 16'
Angle (1 1/2") 10'
Angle (4") 5'
Expanded metal or mesh
Sheet metal (13 gauge)
Conveyor rollers 3
Bolts (1/2") 12

Peeler Head: Materials Used

Shaft (2") 2'
Disc (12" dia. 5/16" thick) 2
Steel collars (2") 2
U bolts and nuts 20
Tubing for spacer
Pillar blocks 2
Twist link chain 10'
Bolts to bolt down pillar blocks (1/2") 4
Length of used hydraulic hose
3-point hitch hook up material
Paint

