

SEED SOWING MACHINE

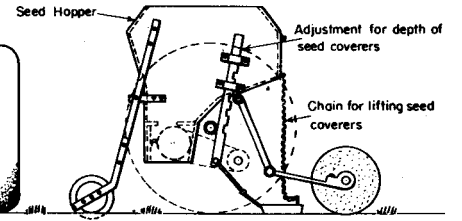
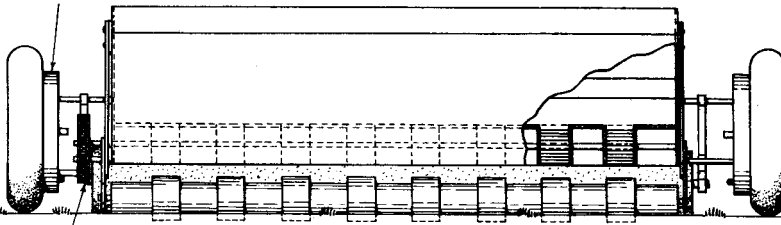
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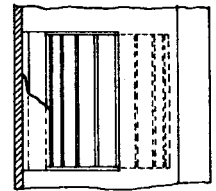
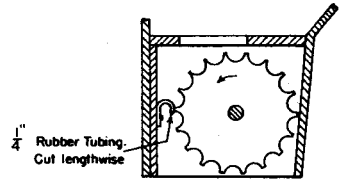
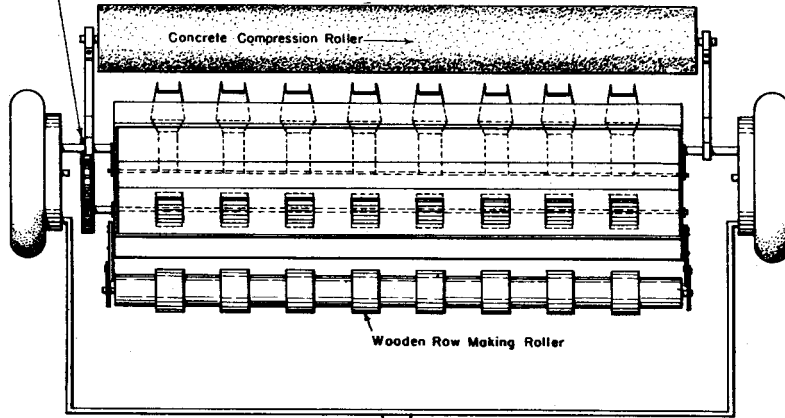
Here at Mt. Shasta we use an eight-row seeding machine which we built in our own shop. Some features of the machine which are not shown in the drawing are as follows:

1. The front roller or row maker makes 8 rows 2-1 /2 inches wide.
2. The rubber bumper in front of the fluted seed dispensers allows sowing of almost any seed from the largest size such as sugar pine down to the smallest size such as Douglasfir.
3. The covering devices are mounted and hedged independently of each other. This allows for differences in the roughness of seed beds and will do a good job of covering the seed.
4. The amount of seed to be sown per square foot is governed by changing the gear ratio. The machine is pulled with a wheeled tractor and will sow a 400 foot bed in 20 minutes.

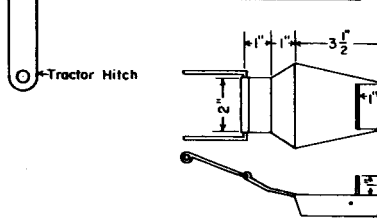
Wheels, Axels and Shafts from old
Lawn-mower



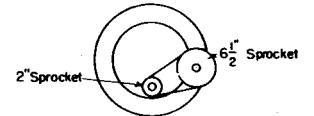
Chain and Sprocket drive for seed dispenser



SEED DISPENSER



SEED COVERERS



CHAIN and SPROCKET

Size of sprocket may be changed as this governs seed out-put

SEED SOWING MACHINE
DESIGNED BY KARL B. LANDQUIST
MT. SHASTA NURSERY
U.S. FOREST SERVICE

Drawn U.S.F.S., W.O., 1954