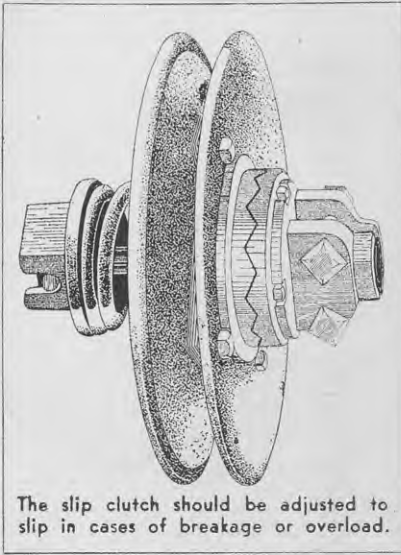
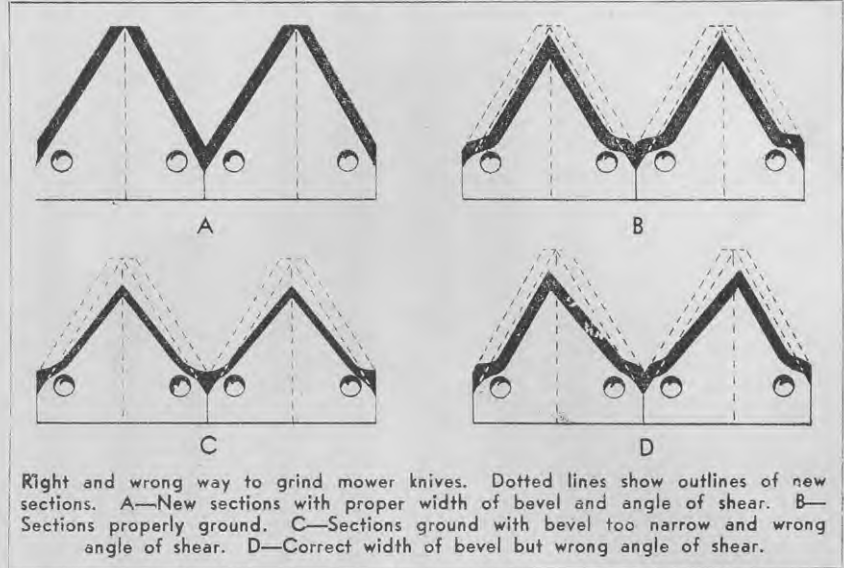


CARE OF THE FARM MOWER



The slip clutch should be adjusted to slip in cases of breakage or overload.



Right and wrong way to grind mower knives. Dotted lines show outlines of new sections. A—New sections with proper width of bevel and angle of shear. B—Sections properly ground. C—Sections ground with bevel too narrow and wrong angle of shear. D—Correct width of bevel but wrong angle of shear.

they are meshing to the required depth. These should be meshed fully, but not to such a depth that they will bind.

If the gears are unduly noisy after adjustment, it is an indication that they are meshed too deeply. The meshing of the gears can be adjusted by the fitting of washers between the bevel gear and the frame or by the adjustment of set screws for this purpose.

Wheels and Pawls

On the horse mower the pawls and pawl springs in the wheels should be inspected for wear and breakages. If they are allowed to become worn so that the pawls slip, the ratchets are

damaged and are difficult to repair and expensive to replace, as they are a part of the wheel. Excessive end play in the wheels allows the pawls to lean outward and causes uneven wear to the pawl holders and the ratchets. The take-up washer on the outer end of the hub can be adjusted to reduce end play and if it is still excessive, steel washers can be added between the hub and the take-up washer.

The ratchet, pawls, and springs in the hand lift lever of the tractor mower should be examined regularly to make sure that they are operating easily and that the pawl and ratchet give a lock which cannot be shaken loose.

Storage

Where possible the mower should be placed under cover and the blade should be removed, sharpened, and covered with a film of thick oil. All shiny parts such as fingers and other cutter-bar parts should be covered with grease, and if the machine is mounted on rubber, it is a good idea to take the weight off the wheels by supporting the mower on blocks. Whether the cutter-bar is fixed in the vertical position or in the working position when the machine is stored, it is a source of possible injury unless the points of the fingers are shielded by wrapping them with bags or by placing a piece of wood in such a position as to cover all the points.

Knives should be stored out of the weather and in a place where they will not be a danger to man or animal.

Safety Precautions

The mower is undoubtedly a dangerous machine if not used properly, or if the user takes risks. The following points are worth noting:—

1. Never dismount while the mower is in gear or while the power take-off is running.
2. With a horse mower, never clear the cutter-bar with the hands or stand in front of the cutter-bar.
3. Always use power take-off shields and belt or chain covers and do not wear a scarf or long loose clothing.
4. Do not allow children or dogs in a paddock while it is being mown.

SUBSCRIPTION RENEWALS

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METEOROLOGICAL RECORDS FOR SEPTEMBER

Station	Height of station above M.S.L. (ft.)	Air temperatures in degrees (Fahrenheit)				Rainfall in inches					Bright sunshine hours
		Approx. mean	Difference from normal	Absolute maximum and minimum		Total fall	No. of days of rain	Difference from normal	Maximum fall		
				Maximum	Minimum				Amount	Date	
Kerikeri	201	53.4	+ 1.0	67.8	36.5	7.20	13		2.26	25	
Auckland	160	55.6	+ 1.1	67.2	42.3	2.31	12	- 1.67	0.71	4	172.5
Tauranga	10	52.8	+ 0.4	66.3	31.1	2.52	9	- 1.67	0.77	27	199.2
Ruakura	131	50.8	- 0.4	68.2	26.5	1.98	10	- 1.84	0.63	4	187.5
Rotorua	980	50.5	+ 1.0	69.0	29.0	1.97	11	- 2.92	0.78	4	161.1
Gisborne	12	52.6	+ 0.5	72.4	34.6	2.92	15	+ 0.34	0.48	30	172.7
New Plymouth	160	52.1	+ 0.6	63.9	35.7	6.23	8	+ 1.25	4.17	3	184.5
Napier	5	52.8	+ 1.0	72.3	34.1	1.96	10	- 0.05	0.49	12	184.5
Talhape	2157	47.4	+ 1.6	62.3	30.9	1.56	10	- 1.60	0.58	4	
Wanganui	72	52.2	+ 0.7	66.8	33.2	2.36	9	- 0.51	1.49	4	187.3
Palmerston North	110	51.4	+ 1.1	68.2	31.0	2.35	8	- 0.73	0.87	4	163.5
Waingawa	350	50.0	+ 0.7	68.0	30.0	2.75	10	- 0.73	1.74	4	158.3
Wellington	415	50.4	+ 0.3	63.7	35.1	3.37	12	- 0.28	2.16	4	136.0
Nelson	24	51.7	+ 1.4	68.1	35.3	0.92	5	- 2.56	0.34	3	199.9
Blenheim	12	50.7	+ 0.0	72.9	28.4	0.58	3	- 1.74	0.28	4	185.6
Hokitika	12	48.6	+ 0.5	61.7	30.2	7.46	14	- 1.56	2.34	2	143.7
Haerem Springs	1225	46.4	+ 0.5	70.4	22.0	3.25	10	- 1.34	1.25	4	136.9
Christchurch	22	49.7	+ 1.0	73.8	31.3	0.37	6	- 1.34	0.15	22	124.2
Ashburton	323	48.5	+ 1.5	73.0	28.0	0.97	5	- 1.59	0.29	22	120.1
Timaru	56	48.8	+ 1.0	75.0	28.8	1.36	6	- 0.55	0.56	21	126.7
Alexandra	520	49.8	+ 3.0	72.1	28.0	0.52	6	- 0.29	0.22	29	189.5
Taleri	80	47.9	+ 0.2	72.1	24.1	0.38	6	- 1.69	0.13	21	154.1
Invercargill	32	49.0	+ 2.1	67.0	27.0	1.63	15	- 1.80	0.50	10	126.7