

Directions for Putting Up and Using **THE** **HUMMINGBIRD MOWER.**

Keep the Knives Sharp, and the Bearings Well Oiled.

- 1st. Put in the pole which is attached by two bolts to the frame.
- 2d. Bolt lever axle ending No. 755 to pole, just in advance of the forward bolt which attaches pole to frame. Put lever against No. 755 on lever axle No. 755, and secure with linchpin; hook lifting chain No. 754 to lever-socket.
- 3d. Attach finger-bar to the machine by the two bolts, No. 740 at wrought hinge joint, and No. 741 at short brace, tighten the set screw in the long bolt, and fasten the short bolt with the spring key.
- 4th. Bolt No. 699 truck cleaver to No. 714 outer shoe; set slide on same in the notch in the shoe, and screw the thumb-out up tight.
- 5th. Slide No. 744 scythe in the guards. Raise the outer end of finger-bar until the angle is sufficient to allow the eye of scythe to pass beyond No. 719 inner shoe; insert the connecting rod into eye of scythe, and lay the bar again on the ground.
- 6th. Attach No. 729 folding iron to pole by four screws, and attach oil can holder to pole just in front of lever, where the holes are bored for it.
- 7th. Put lamp wicking in the oil cups, and use pure **BUTTER** or **THE** best sperm, lard, or machinery oil. Be sure that every part is well oiled (and that it is kept so), and you are ready to mow.

DIRECTIONS FOR MOWING.

- 1st. In mowing, let your team walk moderately, and drive straight.
- 2d. To make good, clean work, drive out at the corners. Never commence a swath without having the guards clear of cut grass.
- 3d. The cutter bar can be raised over an obstacle by means of 155A lever at right hand of driver. To let the bar down again to the ground it is necessary, in grasping 155A lever handle, to close the hook on 155J latch, so as to press upon this latch and release the pawl.
- 4th. To sharpen the knives, grind them on an ordinary stone, on the bevel or upper side, being careful to keep the long level on them. They can be whetted without being taken out of the guards.
- 5th. The bearings must be kept well oiled with good oil, particularly those at front and rear end of crank shaft. Both ends of No. 729 connecting rod need frequent oiling, at No. 61 composition box, and at the end of rod which fits into eye of scythe. No. 729 or 730 scythe head must be frequently oiled through the hole in the plate on the top of it. No. 719A roll in leading wheel must also be kept oiled; an oil-hole will be found on the inner side of No. 719 leading wheel. If your machine draws hard, you may be sure that it wants oiling, or that the knives are dull.
- 6th. If, by any means, the guard fingers should get bent out of line, they should be immediately brought back to their place with a hammer, as it is very necessary that the steel plates in the guard fingers, which form the bearing for the scythe to pass through, should be perfectly in line. When the wear comes a play in the scythe, No. 719 scythe buttoms, which are of malleable iron, must be hammered down to keep the scythe snug.
- 7th. The height of the cut is adjusted at the inner and outer shoes. No. 714 outside shoe spring can be set to any required height, and secured by the bolt. The bolt which attaches No. 719 leading wheel to No. 719 inner shoe works in a slot, and can be set at the height desired.

TO FOLD THE BAR FOR MOVING OR TRANSPORTATION.

1. Loosen truck cleaver slide. Take hold of No. 714 outer shoe, and lean the bar against the folding iron on pole; take No. 155A lever in the left hand and the truck cleaver in the right, bearing down on lever, and you will lay the bar over on the pole with but little exertion. When the bar is folded, turn the truck cleaver up straight, and set slide in the notch in the bottom of the shoe. Throw Nos. 65 and 66 pawls out of gear, and you are ready to drive off. Remember always to throw the pawls out of gear when you fold the bar to drive off.
2. When driving on the road, off the ends of the wheels; and it would be well to put wood plugs in the oil-holes in wheels, to prevent dust from getting on the axle.
3. To unfold the bar, push the knives as far in the guards as they will go, set 155A lever up straight, let the bar slide down on the ground, take hold of the truck cleaver and ease it down. A little practice will enable you to fold and unfold it with great ease.