

Patent Dept.

# GRANITE STATE

## MOWING MACHINE



Printed by Sentinel Printing Co., Keene, N. H.

MANUFACTURED BY

NEWHALL & STEBBINS,

HINSDALE, N. H.

FOR SALE BY

Patent Dept.

# THE VERY BEST MOWER IN USE!

## FOR THE FOLLOWING REASONS:

- 1st. It is the *lightest draft*.
- 2d. The cutting apparatus is in line of the *axletree, the only natural position for it*.
- 3d. *It perfectly adjusts itself to uneven surfaces*. No other Mower can do it as well.
- 4th. The cutting apparatus moves directly forward while turning corners and curves—and not diagonally, as in other Mowers—making smooth work in all places.
- 5th. It has no *shaking motion*, which in other Mowers is so *fatiguing to both horses and driver*.
- 6th. The frame is made of iron, without joints, from improved patterns, is simple and strong, and contains *very few bolts*; consequently it is the most durable of Mowers, and the least out of repair, as those who purchased it fifteen to twenty-five years ago will testify.
- 7th. The shafts are made of cast-steel, and the boxes are lined with the very best lining metals.
- 8th. *It is the most safe, because the driver is not thrown from it as from other Mowers*.
- 9th. It does the best work.
- 10th. The points of the guard-fingers can be easily raised or lowered while the Mower is in motion.
- 11th. Either one or both ends of the finger-bar may be raised while in motion.
- 12th. In mowing over a ridge the outer end of the finger-bar may be dropped two feet. It possesses every point of excellence required in a Mowing Machine.

Our Mowers have been in the field over thirty years, and have proved equal to all that we claim for them. They have always been esteemed for their excellent workmanship, and we are sparing no pains to improve them. We have an important arrangement for easily raising and lowering the points of the guard-fingers while the machine is in motion, making it more readily conform to uneven surfaces and do better work, especially in lodged grass. We have, also, a new arrangement of pawls, which will be sure and very nearly noiseless. We believe we are now offering the farmers better machines than ever before. We have taken the first premium at nearly all the trials which we have attended. We warrant it to be the best and most durable Mower in use.

We warrant each and every machine to be perfect in all its parts,

and capable of doing as much work, in any kind of mowing as any other machine; in many places doing it better, always as well, and with greater ease to both horses and driver.

THE ONE-HORSE GRANITE STATE MOWER is constructed substantially like the Two-Horse, only less in size and weight, and is much the most successful of any One-Horse Mower yet constructed.

It has been demonstrated by trial and experience that by using sections  $2\frac{1}{4}$  inches wide, and by placing the guard-fingers correspondingly nearer together, the scythes will hold their edge much longer, the draught is lighter, and many small stones will be avoided. We are desirous of making and adopting all the improvements in our power; but if any prefer the 3-inch section Mowers we will furnish them.

NEWHALL & STEBBINS.

### CASH PRICES OF THE GRANITE STATE MOWER.

|        |                                               |         |
|--------|-----------------------------------------------|---------|
| No. 0. | Two-horse, 5 feet cut, . . . . .              | \$60.00 |
| No. 1. | Two-horse, $4\frac{1}{2}$ feet cut, . . . . . | 58.00   |
| No. 2. | Two-horse, 4 feet cut, . . . . .              | 55.00   |
| No. 3. | One-horse, $3\frac{1}{2}$ feet cut, . . . . . | 53.00   |

For the above prices we furnish with each Mower, one extra scythe, two extra scythe-sections, two extra fingers, an oil can, hammer wrench, cold-chisel and punch; and with the Two-Horse machines a neck-yoke, eveners and whiffletrees.

### DIRECTIONS FOR SETTING UP AND USING.

1. Bolt the pole to the malleable iron piece which is attached to the under side of the frame, at the right of the seat-spring.
  2. When you fold the finger-bar, see that the wrist-pin is down at the lowest point, otherwise you may bend or break the pitman, or something else.
  3. The track-clearer is adjusted to different kinds of grass by changing the position of, or turning the adjusting bolt in the outside shoe.
  4. Keep every part well oiled.
  5. After running a little while, see that every part is in its proper place, and the bolts and nuts are all tight.
  6. The spring-catch standard can be moved either way by loosening the bolt that holds it to the spider.
  7. The height of the cut is adjusted by the spring-pin in the lever-guide and the runner in the outside shoe. Also by the short lever.
  8. Whenever a Mower or any part of a Mower is sent to us for repairs, *always attach a card or tag containing the address of the owner, and give shipping directions for its return.*
  9. When ordering extras, always give definite shipping directions.
- Two acres of grass will be allowed to be mowed as a fair trial of a Mower. Those who mow more than that amount will be expected to pay for the machine.

# PRICE LIST FOR PARTS

## OF

# NEW GRANITE STATE MOWER.

| <i>No.</i>                               | <i>Price.</i> | <i>No.</i>                               | <i>Price.</i> |
|------------------------------------------|---------------|------------------------------------------|---------------|
| Scythe for No. 0 Mower, 5 feet, . . .    | \$4 75        | 33. Foot Lever Iron, . . . . .           | \$0 50        |
| Scythe Bar for No. 0 Mower, . . . .      | 1 30          | 34. False Shoe, . . . . .                | 50            |
| Scythe for No. 1 Mower, 4½ feet, . .     | 4 25          | 35. Lever Stud, . . . . .                | 30            |
| Scythe Bar for No. 1 Mower, . . . .      | 1 20          | 36. Lever Guide, . . . . .               | 40            |
| Scythe for No. 2 Mower, 4 feet, . . .    | 3 75          | 37. Lever Socket, . . . . .              | 25            |
| Scythe Bar for No. 2 Mower, . . . .      | 1 10          | 38. Adjusting Bolt, . . . . .            | 12            |
| Scythe for No. 3 Mower, 3½ feet, . .     | 3 25          | 39. Track Clearer Iron, . . . . .        | 40            |
| Scythe Bar for No. 3 Mower, . . . .      | 1 00          | 40. Spring Key, . . . . .                | 10            |
| 5. Scythe Head, . . . . .                | 50            | 41 and 41½. Seat Spring complete, . .    | 2 25          |
| 5-1.*Scythe Head, 2¼-inch section, . .   | 50            | 42. Bevel Gear Guard, lower part, . .    | 1 25          |
| 5-2.*Scythe Head, 3-inch section, . . .  | 50            | 43. Bevel Gear Guard, upper part, . .    | 50            |
| 6. Button, . . . . .                     | 05            | 44. Forward Connecting Arm, . . . .      | 2 00          |
| 6-G.*Button, . . . . .                   | 05            | 45. Rear Connecting Arm, . . . . .       | 2 00          |
| 7. Button near Inside Shoe, . . . . .    | 05            | 46. Whiffletree Iron, . . . . .          | 25            |
| 7-H.*Button near Inside Shoe, . . . .    | 05            | 47. Cross Shaft, . . . . .               | 2 25          |
| 8. Shipper, . . . . .                    | 40            | 48. Crank Shaft, . . . . .               | 1 00          |
| 9. Guard Finger, . . . . .               | 30            | 49. Lower Grooved Wheeled Pin, . . .     | 40            |
| 9-B.*Guard Finger, . . . . .             | 30            | 50. Eccentric Grooved Wheeled Pin, . .   | 75            |
| 10. Pitman complete, . . . . .           | 2 50          | 51. Pole Hook, . . . . .                 | 25            |
| 11. Pitman Head, . . . . .               | 1 00          | 52. Large Neck-yoke Ferrule, . . . .     | 30            |
| 12. Pitman Rod, . . . . .                | 1 50          | 53. Small Neck-yoke Ferrule, . . . .     | 15            |
| 13. Scythe Section, . . . . .            | 09            | 54. Off Whiffletree Hook, . . . . .      | 15            |
| 13-4. Section, . . . . .                 | 09            | 55. Nigh Whiffletree Hook, . . . . .     | 15            |
| 14. Connecting Iron, . . . . .           | 1 25          | 56. Pitman Stop, . . . . .               | 08            |
| 15. Bevel Gear, . . . . .                | 2 00          | 56-J.Pitman Stop, 2¼-inch section, . .   | 08            |
| 16. Spring Catch and Standard, . . . .   | 1 00          | 57. Pitman Head Stop, . . . . .          | 08            |
| 17. Clutch, . . . . .                    | 50            | 58. Grooved Wheel Spring, . . . . .      | 06            |
| 18. Crank Wheel, . . . . .               | 1 00          | 59. Shipper Spring, . . . . .            | 15            |
| 18-S.Crank Wheel for 1890 and after, . . | 1 00          | 60. Lever Hook, . . . . .                | 25            |
| 19. Wrist Pin, . . . . .                 | 50            | 61. Spring Catch, . . . . .              | 30            |
| 20. Clutch Bushing, . . . . .            | 60            | 62. Guard Finger Plate, . . . . .        | 07            |
| 21. Pawl, . . . . .                      | 08            | 63. Inside Shoe Plate, . . . . .         | 07            |
| 21-C.New Pawl, . . . . .                 | 08            | 64. Outside Shoe Plate, . . . . .        | 07            |
| 22. Pawl Holder, . . . . .               | 50            | 65. Eccentric Bushing, . . . . .         | 08            |
| 22-D.New Pawl Holder, . . . . .          | 50            | 66. Parting Board Bushing, . . . . .     | 05            |
| 23. Ratchet Gear, . . . . .              | 1 00          | 67. Pitman Head Bushing, . . . . .       | 40            |
| 23-E.New Ratchet Gear, . . . . .         | 1 00          | 68. Scythe Head Bushing, . . . . .       | 20            |
| 24. Bevel Pinion, . . . . .              | 50            | 69. Pawl Spring, . . . . .               | 10            |
| 25. Wheel Hook, . . . . .                | 10            | 70. Bolt for Foot Lever, . . . . .       | 08            |
| 26. Axletree, . . . . .                  | 1 25          | 71. Bolt for Foot Lever Guide, . . . .   | 10            |
| 27. Lattice Guard, . . . . .             | 50            | 72. Bolt for Seat Spring and Frame, . .  | 12            |
| 28. Spider for Off Wheel, . . . . .      | 3 25          | 73. Bolt for Parting Board and Shoe, . . | 12            |
| 29. Outside Shoe, . . . . .              | 2 00          | 74. Bolt for Grooved Wheel Spring, . .   | 08            |
| 29-A.*Outside Shoe, . . . . .            | 2 00          | 75. Bolt for Axletree and Frame, . . .   | 08            |
| 30. Inside Shoe, . . . . .               | 2 50          | 76. Bolt for Spider Arm and Pin, . . .   | 08            |
| L-30.*Inside Shoe, . . . . .             | 2 50          | 77. Bolt for Seat and Seat Spring, . . . | 10            |
| 31. Grooved Wheel, . . . . .             | 80            | 78. Bolt for Whiffletree, . . . . .      | 10            |
| 32. Foot Lever Elbow, . . . . .          | 50            | 79. Bolt for Guard Finger, . . . . .     | 08            |

\* For the year 1890 and after.

| No.    | Price.                                       | No.    | Price.                                     |
|--------|----------------------------------------------|--------|--------------------------------------------|
| 80.    | Bolt for Tool Box, . . . . . \$0 08          | 122.   | Link, . . . . . \$0 15                     |
| 81.    | Bolt for Spring Catch, . . . . . 08          | 123.   | Slide-catch, . . . . . 10                  |
| 82.    | Bolt for Button, . . . . . 08                | 124.   | Handle-piece, . . . . . 15                 |
| 83.    | Bolt for Button near Inside Shoe, . . 08     | 125.   | Ratchet, . . . . . 15                      |
| 84.    | Bolt for Pitman Head Stop, . . . . . 06      | 126.   | Lifting Crank, . . . . . 25                |
| 85.    | Bolt for Lattice Guard, . . . . . 08         | 127.   | Rear Pole Iron for Nos. 0, 1 and 2, . 1 50 |
| 86.    | Bolt for Connecting Iron and Arm, . 15       | 128.   | Bolt for Link, . . . . . 12                |
| 87.    | Stirrup Bolt for Pole, . . . . . 20          | 129.   | Bolt for Ratchet, . . . . . 08             |
| 88.    | Bolt for Pole and Frame, . . . . . 15        | 130.   | Pole Iron and Frame, . . . . . 15          |
| 89.    | Bolt for Pole and Evenner, . . . . . 15      | 131.   | Slide-catch Spring, . . . . . 10           |
| 90.    | Bolt for Whiffletree Iron and Evenner, 15    | 132.   | Ratchet Rod, . . . . . 10                  |
| 91.    | Bolt for Frame and Arm, . . . . . 20         | 133.   | Rear Pole Iron Bolt, . . . . . 15          |
| 92.    | Bolt for Inside Shoe, rear end, . . . 20     | 134.   | *Section, . . . . . 09                     |
| 93.    | Bolt for Inside Shoe, forward end, . 20      | 135.   | *Guard Finger Plate, . . . . . 07          |
| 94.    | Bolt for Spider and Frame, . . . . . 20      | 200.   | Rim Wheel for No. 3, . . . . . 6 00        |
| 95.    | Bolt for Inside Shoe and Finger-bar, 15      | 201.   | Shipper, . . . . . 50                      |
| 96.    | Bolt for Outside Shoe and Finger-bar, 15     | 202.   | Pitman, complete, . . . . . 2 50           |
| 97.    | Bolt for Bevel Gear Guard and Frame, 12      | 203.   | Pitman Rod, . . . . . 1 50                 |
| 98.    | Bolt for Bevel Gear Guard and Frame, 12      | 204.   | Connecting Iron, . . . . . 1 25            |
| 99.    | Bolt for Bevel Gear Guards, . . . . . 08     | 205.   | Bevel Gear, . . . . . 2 00                 |
| 100.   | Bolt for False Shoe, . . . . . 08            | 206.   | Crank Wheel, . . . . . 1 00                |
| 101.   | Pole, . . . . . 3 00                         | 206-s. | Crank Wheel for 1890 and after, . . 1 00   |
| 102.   | Evenner, . . . . . 1 25                      | 207.   | Ratchet Gear, . . . . . 1 00               |
| 103.   | Whiffletree, each, . . . . . 75              | 208.   | Bevel Pinion, . . . . . 50                 |
| 104.   | Neck-yoke, . . . . . 1 50                    | 209.   | Axletree, . . . . . 1 25                   |
| 105.   | Track Clearer, . . . . . 1 00                | 210.   | Spider for Off Wheel, . . . . . 3 25       |
| 106.   | Seat, . . . . . 1 25                         | 211.   | Bevel Gear Guard, lower part, . . . 1 25   |
| 107.   | Frame, complete, . . . . . 10 00             | 212.   | Bevel Gear Guard, upper part, . . . 50     |
| 230.   | Frame, complete for No. 1 and 0, . . 10 00   | 213.   | Forward Connecting Arm, . . . . . 2 00     |
| 108.   | Pair of Thills, complete, . . . . . 7 00     | 214.   | Rear Connecting Arm, . . . . . 2 00        |
|        | Finger-bar for No. 0, drilled, 5 feet, 5 50  | 215.   | Whiffletree Iron, . . . . . 25             |
|        | Finger-bar for No. 0, with Fingers, 13 00    | 216.   | Cross Shaft, . . . . . 2 25                |
|        | Finger-bar for No. 1, drilled, 4½ feet, 5 00 | 217.   | Crank Shaft, . . . . . 1 00                |
|        | Finger-bar for No. 1, with Fingers, 12 00    | 218.   | Lever Hook, . . . . . 25                   |
|        | Finger-bar for No. 2, drilled, 4 feet, 4 50  | 219.   | Bolt for Whiffletree Iron and Cross-       |
|        | Finger-bar for No. 2, with Fingers, 11 00    |        | Bar, . . . . . 20                          |
|        | Finger-bar for No. 3, drilled, 3½ feet, 4 00 | 220.   | Bolt for Frame and Arm, . . . . . 20       |
|        | Finger-bar for No. 3, with Fingers, 10 00    | 221.   | Frame for No. 3, . . . . . 10 00           |
| 115.   | Oil-cup Cover, . . . . . 05                  | 222.   | Oil-can, . . . . . 15                      |
| 116.   | Driving Wheel for Nos. 1 and 2, . . 7 00     | 223.   | Track-clearer Handle, . . . . . 30         |
| 117.   | Driving Wheel for No. 3, . . . . . 6 00      | 224.   | Track-clearer Board, . . . . . 30          |
| 118.   | Section Rivets, per pound, . . . . . 25      | 225.   | Rear Pole Iron for No. 3, . . . . . 1 50   |
| 119.   | Tool Box, . . . . . 1 25                     | 226.   | Hammer Wrench, . . . . . 50                |
| 120.   | Short Lever, . . . . . 65                    | 227.   | Cold-chisel, . . . . . 25                  |
| 120-H. | Short Lever, complete, . . . . . 1 10        | 228.   | Punch, . . . . . 25                        |
| 121.   | Rim Wheel for Nos. 0, 1 and 2, . . 7 00      |        |                                            |

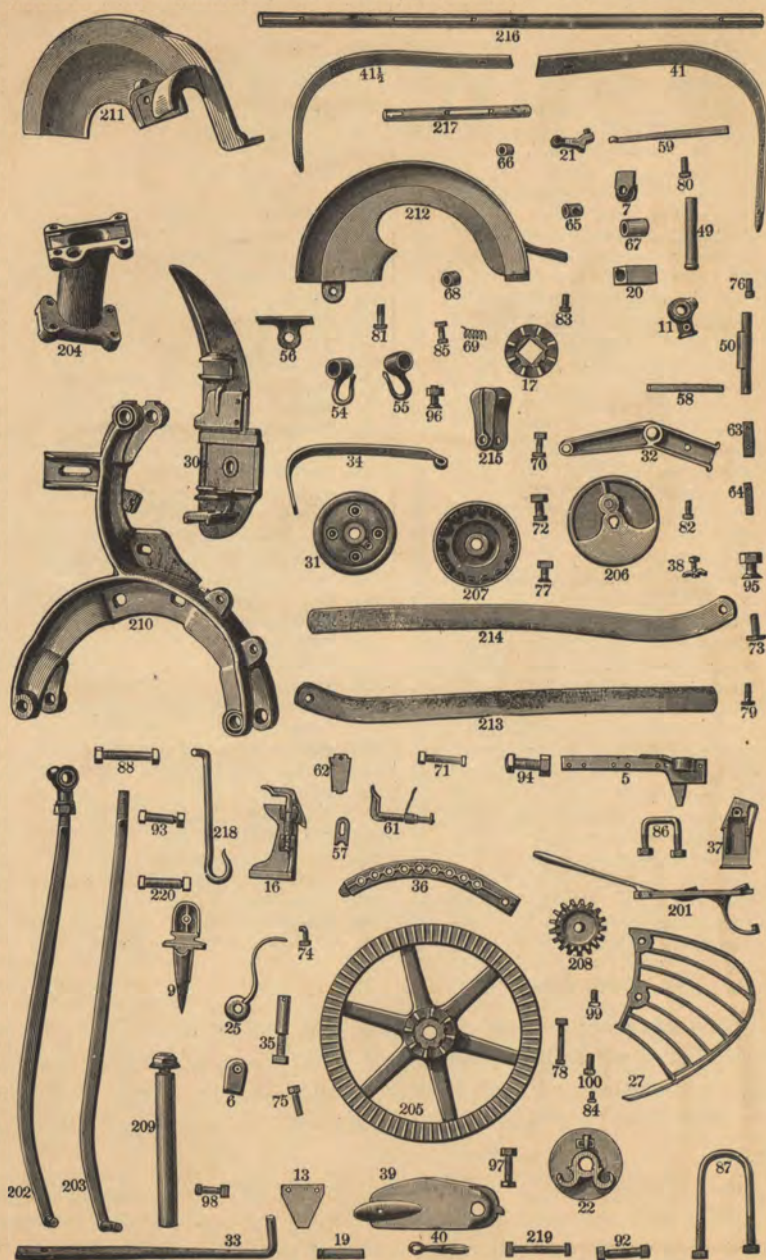
\* For the year 1890 and after.

When ordering extras, state what year the Mower was made, or describe, very particularly, the part or parts wanted, and give definite shipping directions. In all Mowers made since 1876, each cast-iron piece will have the number designated in the foregoing list, cast upon it.

Since 1890 some of our Mowers have 2¼-inch sections, and some of them 3-inch sections; so that in ordering any of the parts of the cutting apparatus, please state the width of the sections.

We now make wider frames for No. 0, and No. 1.

DIAGRAM OF PARTS OF NEW ONE-HORSE GRANITE STATE MOWER.



# DIAGRAM OF PARTS OF NEW TWO-HORSE GRANITE STATE MOWER.

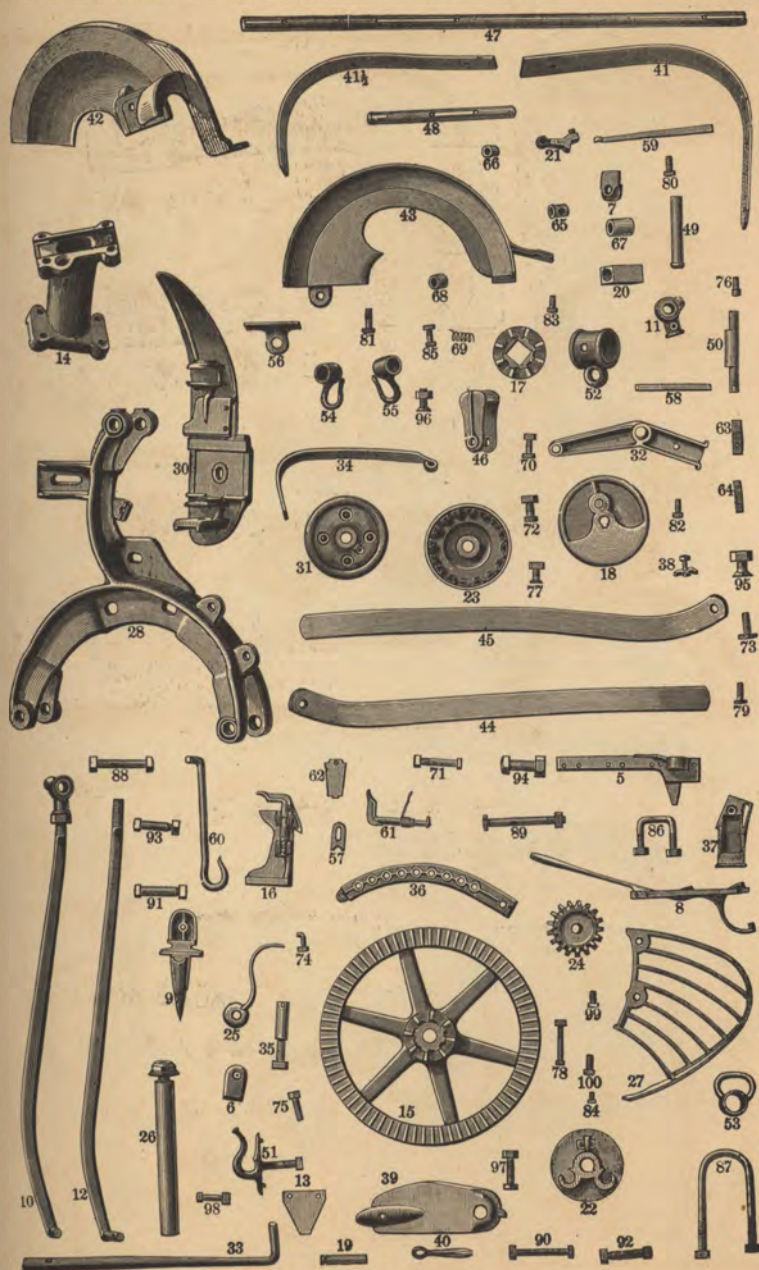


DIAGRAM OF PARTS OF NEW GRANITE STATE MOWER.

