

PREMIUM
MOWER AND REAPER.

THREE GOLD MEDALS.

DODGE'S HARVESTER

AWARDED

The Gold Medal

As the best Mowing Machine at the Louisiana State Fair trial of Mowers.

THE GOLD MEDAL AND FIFTY DOLLARS

As the best Combined Reaper and Mower on exhibition at the State Fair.

The Special Diploma and Grand Medal of Honor

As the best Combined Mower and Hand-Raking and Self-Raking Harvester Exhibited at the St. Louis Agricultural and Mechanical Association, Oct. 6, 1866.

BEST MACHINE IN THE WORLD!

DODGE'S
PATENT REAPER & MOWER,
AND SELF-RAKER,



On the Road.

MANUFACTURED BY
DODGE & STEVENSON M'F'G CO.,
AUBURN, N. Y.

1868

Agent.



DODGE'S MOWER.

This machine has met with the most complete success. In every section where it has been introduced, it has taken precedence over those machines which have heretofore ranked as first class. We have endeavored to furnish the **Best Reaper and Mower in the Market.** With this end in view, we have secured, by lease and purchase, the control of all the desirable and standard patents now in use. This machine embraces a great number of entirely new, novel and valuable improvements.

In compactness, lightness of draft, excellence and elegance of workmanship and finish, combined with great strength and adaptation to all kinds of work, it will surpass any machine heretofore offered to the farmer.

DODGE & STEVENSON M'FG COMPANY,
Auburn, N. Y.

THE FOLLOWING POINTS OF EXCELLENCE SHOW THE ADVANTAGES OF DODGE'S REAPER AND MOWER OVER ALL OTHERS.

TWO DRIVING-WHEELS.

This machine has two driving-wheels which support the whole weight of the FRAME, GEARING and DRIVER, giving it great power and facility of operation. By the use of two driving-wheels operating TOGETHER, or INDEPENDENTLY, short turns can be made to the RIGHT or LEFT, *without clogging or stopping the knives.* The machine operates perfectly at the natural gait of horses or oxen, and can be stopped and started again in the heaviest grass, without clogging.

DOUBLE-HINGED FINGER-BAR.

Mowing and Reaping Machines are used on rough or uneven ground, hence the necessity of having a machine, in order to do good work, so arranged that it will permit the *Finger-Bar to play loosely thereon*, INDEPENDENT of any other part of the machine. The finger-bar of Dodge's Machine is attached to the frame by a DOUBLE HINGE JOINT, which allows it to FOLLOW THE SURFACE OF THE GROUND, without being affected by the working of the frame. Over RIDGES and through HOLLOWs, the INDEPENDENT ACTION OF THE *Cutter* IS PERFECT, enabling EITHER END to rise or fall without affecting the other. In addition to this, it has an INDEPENDENT rolling, rocking or wabbling motion, which is a very important feature, when the machine is used in mowing, as it enables the points of the guards to rise over bogs, ant-hills, loose stone, or projecting ledges or rock. It also enables the operator to change the height of cut at pleasure, when the machine is in motion.

RAISING THE FINGER-BAR.

Attached to the Finger-Bar brace is a chain connecting it with a lever, in easy reach of the operator, by means of which, with one hand, while on the seat, he can elevate both ends of the Finger-Bar from the ground, so as to pass over stones, stumps, sticks, cut grass, or other obstructions, while in motion.

CUTTING APPARATUS.

The most important part of a Mowing Machine is its cutting apparatus. Of all the numerous experiments and inventions, the **Open, Wrought Iron Guard**, faced with **Cast Steel**, as used in this Machine, is the *only guard* that has proved successful in all places. In the use of this guard, the great point is to obtain

a sufficient degree of strength to withstand the severe wear and violent concussions to which it is subjected, together with a *hard, sharp edge* for the knife to cut against. Our guards are made of the very best charcoal refined iron, faced with CAST STEEL, and highly tempered.

They are then ground perfectly smooth, and finished on an emery wheel. These guards are RIVETED to the CAST STEEL FINGER-BAR, three inches apart. The advantages claimed for the guards are: THEY DO NOT BEND OR BREAK. THEY ARE ALL PRECISELY ALIKE. THEY DO NOT CLOG.

FOLDING OF THE FINGER-BAR.

The Finger-Bar can be folded up, as seen in the cut, without removing a screw or bolt, to enable the machine to pass through gates, or travel from field to field, or ON THE ROAD.

GEARING.

A large bevel wheel is keyed to the main shaft or axle, communicating motion through the bevel pinion to the internal gear and pinion, which pinion is attached to the crank shaft at the forward end of the Machine, thereby allowing the CRANK SHAFT to run the WHOLE LENGTH OF THE MACHINE, which is a MOST IMPORTANT and VALUABLE feature in this Machine.

DRAFT.

The correct principle upon which this Machine is constructed, reduces the draft to the lowest point ever attained. It is not the lightest Machine in weight that runs the lightest for the team, but that which has the weight properly balanced on the ground or driving wheels, the gearing most firmly secured, so that there can be no cramping of the shafting by the springing of any part of the frame, and has its cutting apparatus best adapted to its work.

The draft of this Machine, in heavy grass or grain, is much lighter than ordinary plowing, and does not exceed AN AVERAGE of 200 pounds direct draft. A LIGHT PAIR OF HORSES can work the Machine EASILY, all day, in any kind of grass or grain, when the Machine is properly adjusted and operated.

SIDE DRAFT.

This Machine has positively no side draft, as the manner in which the tongue is attached entirely obviates it, and the weight of the tongue is so exactly balanced by the *adjustable* seat for the driver,

and position of the gearing and cutting apparatus, that there is no weight upon the horses' necks.

POSITION OF THE FINGER-BAR.

The Finger-Bar is placed opposite the rear of the Machine, the only position to make a GOOD REAPER.

THE DRAG-BAR.

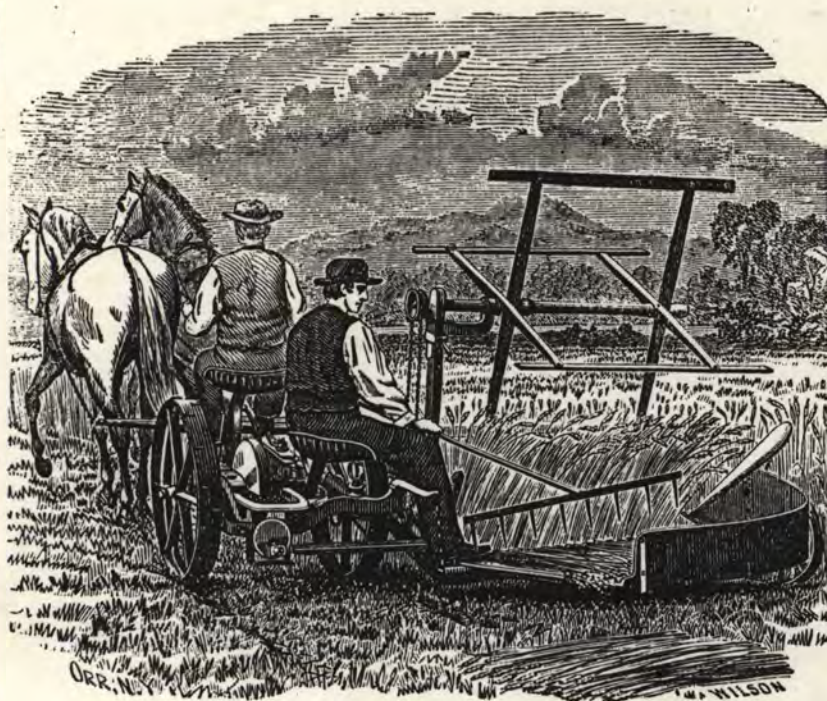
We would ask particular attention to this IMPORTANT FEATURE in this Machine. Held firmly in position by its coupling to the forward end of the Machine, and connecting brace with rear stirrup box, it readily and easily adapts itself to the uneven surface of the ground, rising and falling INDEPENDENT of the wheels or frame, and by its sled-shape, passes over ant-hills and bogs, rises easily out of furrows and ditches, and enables the finger-bar to move over cut grass, and turn corners easily.

AS A SELF-RAKER.

The New SELF-RAKE applied to this Machine has proved a perfect success. To say that it pleases, is a faint expression of the sentiments everywhere expressed. Enthusiastic encomiums pour in upon us from every quarter. ITS GREAT STRENGTH, ITS SIMPLICITY, ITS RELIABLE WORK, place it out of reach of competition.

It is a REVOLVING RAKE, and does its own reeling, saving the expense and trouble of a Reel, and yet performing better in all kinds of grain than a Reel and Hand Rake can.

It makes a PERFECT SEPARATION with the RAKE HEAD, in all kinds of grain, whether *tangled or lodged*, long or short, by reason of the rake revolving over forward, and *striking into the uncut grain*, or before the sickle, carrying it along and over the platform, and delivering it in compact bundles, at the rear of the Machine, ENTIRELY OUT OF THE WAY OF THE TEAM AND MACHINE ON ITS NEXT ROUND, and without any littering whatever.



DODGE'S NO. 1 HAND-RAKER.

AS A REAPER.

The advantages set forth in this Machine as a Mower, also constitute it a **Perfect Reaper**.

THE DOUBLE HINGE JOINT and TWO DRIVING WHEELS make it the **only Reaper perfectly adapted to uneven ground**. The OVER HANGING REEL is supported upon a Reel Post, fixed firmly in the DRAG-BAR SOCKET, and can be readily adjusted, up or down, or backward or forward, and at all times follows the movements of the platform. The grain is easily delivered at the REAR OF THE MACHINE, entirely out of the way of the team on the next round, in good shaped bundles for binding.

THE PLATFORM is readily adjusted to any required height.



DODGE'S IMPROVED SELF-RAKE FOR 1868.

The following testimonials show conclusively that Dodge's Self-Rake for 1868, fully meets every requirement of the most fastidious farmer, and is fully warranted to give perfect satisfaction.

READ WHAT THE RURAL NEW YORKER SAYS:

We find in the Rural New Yorker, published at Rochester, N. Y., on the 7th Sept, 1867, the following testimonial from the editor:

IMPROVED AUTOMATIC RAKE FOR DODGE'S HARVESTER.

"During a recent visit to Auburn, we accepted an invitation from Col. Dodge, President of the Dodge & STEVENSON Manufacturing Co., to witness a trial of their automatic Rake for Dodge's Harvester—they having added some very important improvements to the style of rake hitherto used. These consist of four independent rakes, so constructed as to allow all of them to be in use for reeling on the grain, or by a slight movement of the hand or foot, causing either rake to rake off the cut grain, in any sized gavels required. These additions overcome the defects heretofore existing in it, and make it perfect for its work, and will, in addition to its other good qualities, leave few if any improvements to be desired in this machine.

"The trial took place on the farm of John W. Aiken, in the town of Scipio, Cayuga

Co., and was witnessed by many farmers and other spectators. The grain cut was heavy oats, very ripe, lodged in spots, and the straw badly crinkled down and twisted together. There was also a heavy sprinkling of Canada thistles in the grain, and some spots on which, evidently, water had stood after sowing in the spring, where the straw was short and thin. On the east side of the field the grain leaned very much towards the machine, and the wind blew freshly from the southwest. The ground was in good condition for the machine to travel on, the surface being slightly rolling. Three to four acres were cut while we were in the field—the work being done in a very satisfactory manner. The rake, which also reels, worked easily and without apparent clumsiness, and delivered the gavels in fine condition for binding, clear of the track, whenever the driver slightly pulled a cord. No adjustments were made or needed in the field, and no difficulty or impediment was met with in the lodged, thin, or leaning grain. Several farmers present drove round the field by turns, and all concurred in the opinion expressed by an agent of a rival machine, who, after driving round, remarked:—"It does the best work of any self-rake I ever saw."

We, the undersigned, witnessed the operation of Dodge's Harvester, with the Improved Self-Rake, in a field of heavy spring wheat, (both bearded and bald,) on the farm of Seymour Grinnell, in the town of Spafford, Onondaga Co., N. Y., on the 27th of August, 1867. The wind blew strong from the south. The Machine worked perfectly on every side, cutting clean and even. The Self-Rake required no adjustment, and reeled on the grain in good shape, delivering the gavels at the will of the driver, by a slight pull of a lever. The gavels were laid straight in every instance, and suitable for binding, without hand-rake. We consider the work done as absolutely perfect, and the best we ever saw.

SEYMOUR GRINNELL,	WILLIAM WALLACE,	JUSTIN N. KNAPP,
EVELYN GRINNELL,	ORLANDO GRINNELL,	CORNELIUS TRACY,
JOHN HOLMES,	PERRY GRINNELL,	PHILIP T. STABLER, of Maryland.
DAVID H. COWAN,	MARTIN A. KNAPP,	

We, the undersigned, having witnessed the operation of Dodge & Stevenson Manufacturing Co.'s Harvester, with their Improved Self-Rake, on the farm of D. C. Coal, in the town of Covert, Seneca Co., N. Y., on the 4th of September, 1867, would recommend all who want a perfect Self-Raking Harvester, to take this Machine. It certainly is the best Self-Rake we ever saw. It worked perfectly on every side of the field, delivering the gavels straight and even, whenever the driver wished, by merely pulling slightly a lever. No adjustments were made or needed while in the field.

S. V. MINOR,	R. C. BARTO,	SAMUEL R. BRIGGS,
S. B. MUNDY,	IRA STILWILL,	HARVEY COLE,
WILLIAM MINOR,	E. S. LEGGETT,	IRA S. TUNISON,
PETER MANNAR,	GEORGE D. UHL,	WM. R. VANDYKE,
ABM. FULKERSON,	JOHN BLAUVELT,	A. M. WILLIAMER,
HUGH HANAY,	PETER TUNISON,	HARRISON TUNISON,
JEFFERSON SNIFFEN,	SAM. OGDEN,	R. TUNISON,
TUNIS S. FULKERSON,	TUNIS SWICK,	AZARIAH L. ABEL,
W. V. GOULD,	HUDSON RAPPLYE,	ELLSWORTH LAMOREAUX,
A. WALKER,	FRANCIS M. VAUNVETWICK,	ALMERIAN BURR,
JNO. BANTA,	MINOR SMITH,	

We, the undersigned, witnessed the operation of Dodge's Harvester with the Improved Self-Rake, in a field of oats, on the farm of Daniel Wooden, in the town of Fayette, Seneca Co., N. Y., on the 6th of Sept., 1867. The Self-Rake, we consider perfect; and farmers need look no further for such an implement. Simple in construction, very strong, no "traps or fixings" to get out of order; is ready for use when it leaves the factory, in any kind of grain. Needs no adjusting for wheat of any kind or condition, oats, rye or barley. Will run from very short to long, tall grain, or through leaning or lodged places, equally well. The driver, by pulling a small lever at his side, discharges the gavel whenever enough grain has been reeled on the table

MILTON JIMERSON,	DANIEL B. WOODEN,	F. H. METZGER.
VINCENT M. HALSKY,	DANIEL S. POST.	

We have seen the above Machine, with Self-Rake, work in a field of short oats, under very unfavorable circumstances, and it did its work admirably.

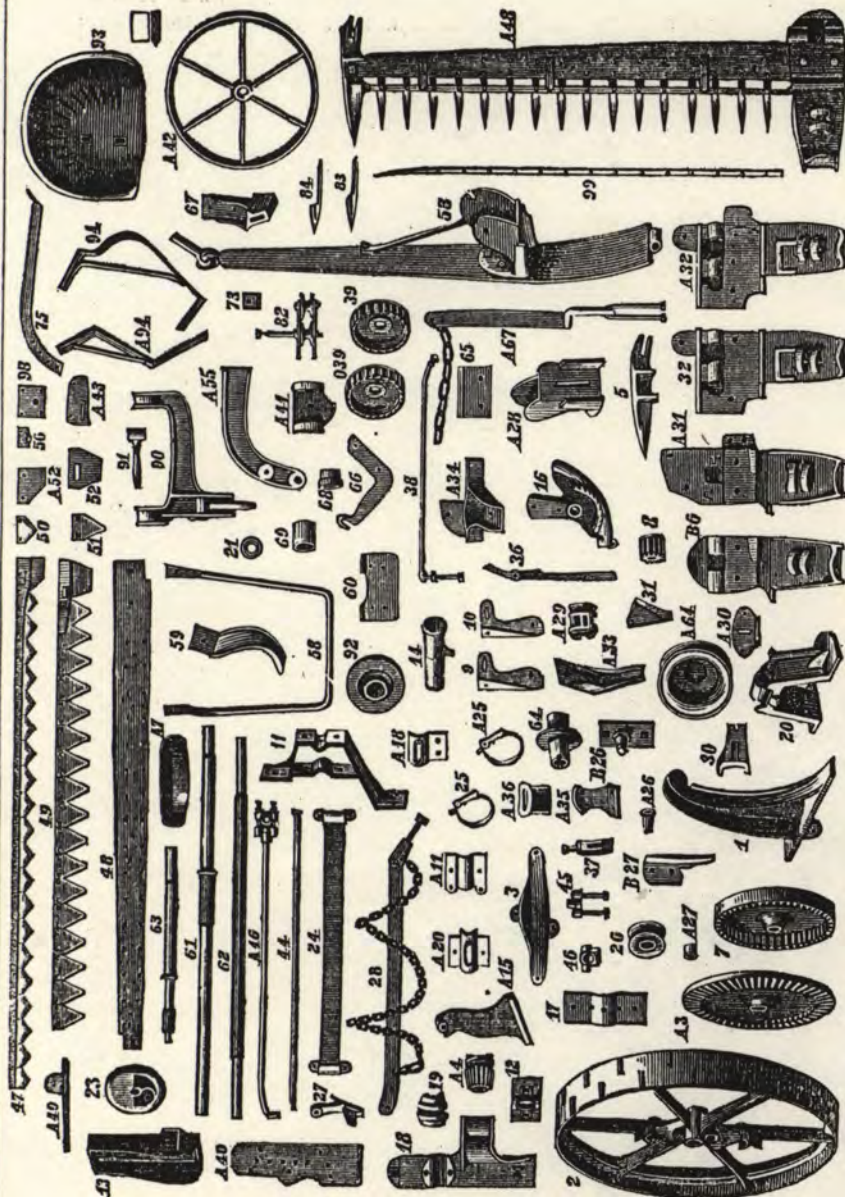
C. E. OPDYKE,	H. T. E. FOSTER.
---------------	------------------

We, the undersigned, having witnessed the operations of one of Dodge, Stevenson & Co.'s Combined Machines, with one of their new, Improved Rakes, in the town of East Varick, on the farm of John Troutman, at Bearytown, Aug. 31, 1867, in oats, heavy and light, and stumpy field, would cheerfully recommend it to any one in want of a Machine, as the Self-Rake is a perfect success, doing its work perfect. Anything more said in its praise would be superfluous. One only wants to see it work, to be satisfied that it is the *ne plus ultra*.

LUKE JOHNSON,	F. HOSTER,	DANIEL KUNNEY,
D. C. SMALLEY,	J. L. HOSTER,	JOHN IRLAND,
WM. BARNES,	WILLARD PULMAN,	DAVID H. IRLAND,
DAVID G. STEWART,	C. J. CORWIN,	JOHN B. ROBINSON,
PARSOLL H. PETERSON,	ROBERT NUNMORS,	DANIEL GOODMAN,
JAMES COOLEY,	GEO. W. RANDALL,	I. LUNTENSTLOYER,
H. F. TROUTMAN,	ELI ZELNOR,	JAMES PAYNE,
RICHARD FALKINBURGH,	SENECA P. KING,	NELSON BARBEAU,
E. F. BRYANT,	JACOB PETERSON,	WM. H. WALDRON.
I. BROWN,	J. M. SHERMAN,	

We, the undersigned, were present on the 2d September, 1867, at the farm of D. T. Greenleaf, in the town of Fayette, Seneca Co., N. Y., and witnessed the operation of the Improved Self-Rake, or Dodge's Harvester. The grain was oats, and difficult work. The Machine cut clean and worked easy. The Self-Rake worked to our entire satisfaction, reeling on the grain, and delivering the gavels in perfect order, at the will of the driver, by slightly pulling a lever. We consider it a perfect Self-Rake, and all that can be desired.

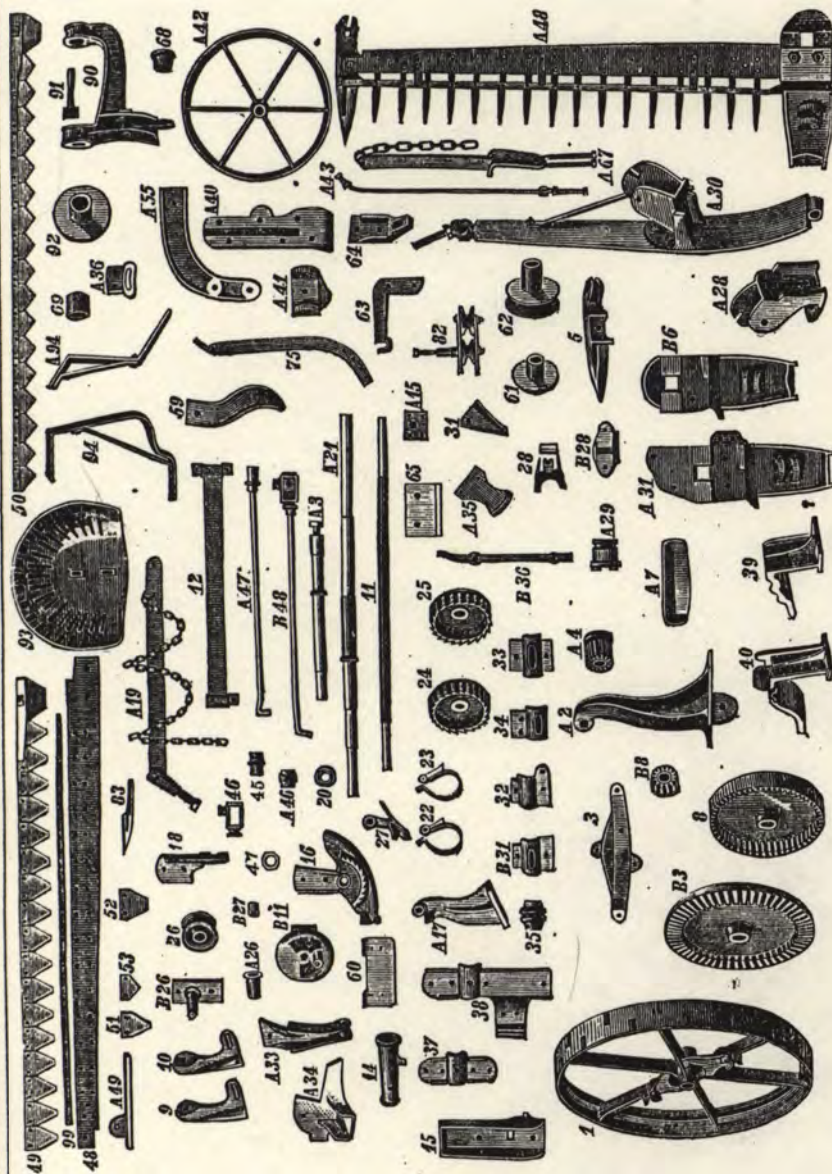
A. BACHMAN,	JAMES TURIN,	REUBEN BACHMAN,
W. H. WOLF,	GEO. W. BOCKOVKE,	JOHN ANDERSON,
D. T. GREENLEAF,	DENNIS HUFF,	JACOB STAHL,
JOHN ZIMMER,	L. D. CARR,	C. B. MATTHEWS,
WM. L. GOSLINE,	D. B. RANDALL,	JOHN DYSINGER,
JACOB DISINGER,	JEFFERSON HAND,	JOHN M. ODELL,
MILTON MATTHEW,	R. S. WRIGHT,	JOSEPH EMMONS,
A. HOUSE,	H. C. WRIGHT,	JAMES DISINGER.
J. H. KIDD,		



PARTS OF NO. 1 REAPER AND MOWER.

PARTS OF NO. 1, REAPER AND MOWER.

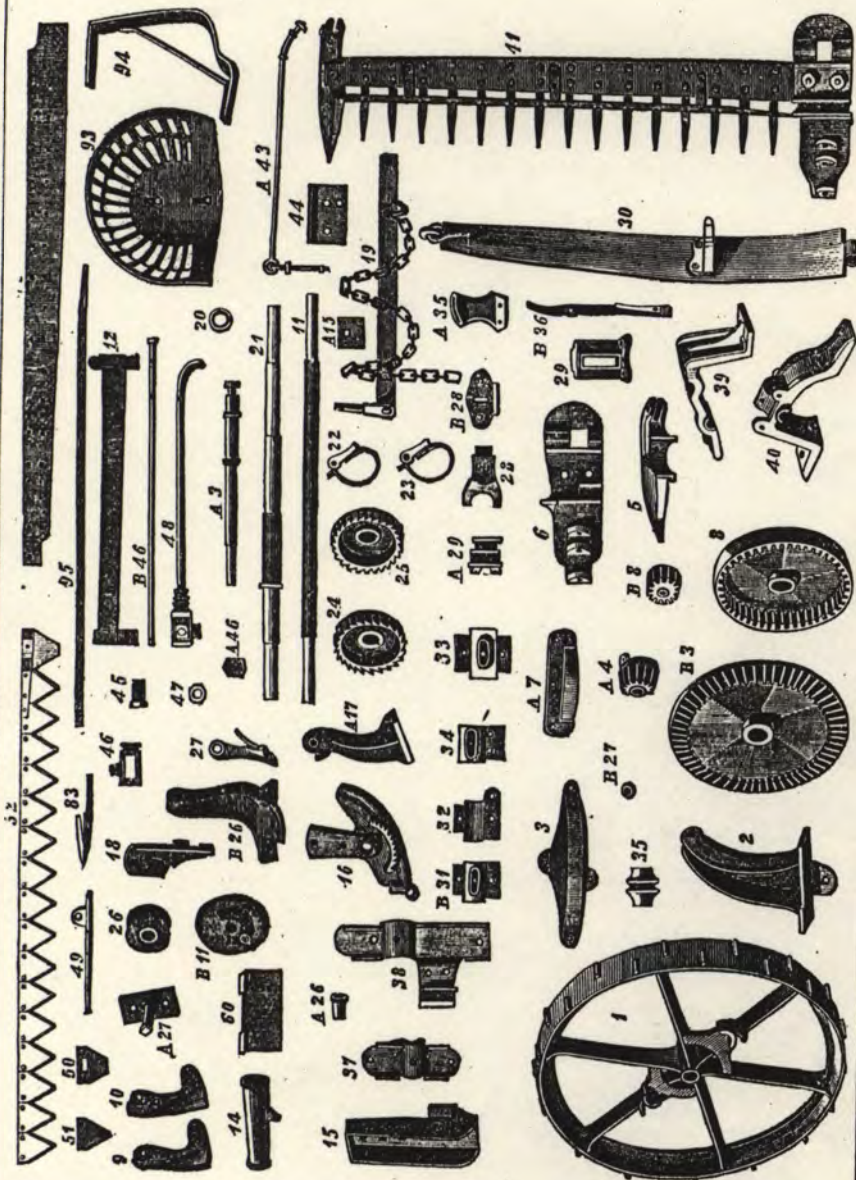
- | | | | |
|-----|---|-----|---------------------------------------|
| No. | 1 Drag Bar Arm. | No. | 46 Pitman Box. |
| | 2 Drive Wheel, Right and Left. | A | 46 Pitman, Complete. |
| | 3 Cover for Bevel Wheel. | A | 47 Sickle Knife. |
| A | 3 Bevel Wheel. | A | 48 Finger Bar, Drilled. |
| A | 4 Bevel Pinion. | A | 48 Finger Bar, Complete. |
| | 5 Outside Shoe. | A | 49 Mowing Knife. |
| B | 6 Inside Shoe. | A | 49 Knife Bar Heel, Loop Heel. |
| | 7 Internal Gear. | A | 50 Sickle Section. |
| A | 7 Internal Gear Cover. | A | 51 Mowing Section. |
| | 8 Internal Gear Pinion, 12 Cogs. | A | 52 Blind Mowing Section. |
| | 9 Upper Swath Socket. | A | 52 Blind Sickle Section. |
| | 10 Lower Swath Socket. | A | 53 Drag Bar, Complete. |
| | 11 Front Stirrups, and Internal Gear Boxes. | A | 55 Castor Wheel Arm. |
| A | 11 Front Stirrup Box Cap. | A | 56 Guide for Sickle Knife. |
| | 12 Internal Gear Box Cap. | A | 58 Foot Rod. |
| | 13 Tongue Socket. | A | 59 Step on Reel Post. |
| | 14 Tongue Ferrule. | A | 60 Crank Wheel Shield. |
| A | 15 Hoisting Lever Stand. | A | 61 Main Shaft. |
| | 16 Hoisting Lever Socket. | A | 62 Crank Shaft. |
| | 17 Main Shaft Box, Right. | A | 63 Bevel Pinion Shaft. |
| | 18 Main Shaft Box, Left. | A | 64 Flange Thimble on Main Shaft. |
| A | 18 Bevel Pinion Box Cap. | A | 64 Driving Shive, Hand Raker. |
| | 19 Main Shaft Box Cap, Right and Left. | A | 65 Finger Bar Plate. |
| | 20 Rear Stirrup Box. | A | 66 Table Arm. |
| A | 20 Rear Stirrup Box Cap. | A | 67 Table Arm Socket. |
| | 21 Washer on Main Shaft. | A | 67 Table Support. |
| | 23 Crank Wheel with Wrist. | A | 68 Thimble to hold Reel Shive. |
| | 24 Crank Shaft Shield. | A | 69 Thimble for Inside Reel Holder. |
| | 25 Ratchet Dog with Spring, Right. | A | 73 Casting for Reaper Shoe Bolt. |
| A | 25 Ratchet Dog with Spring, Left. | A | 75 Brace to hold Reel Post. |
| | 26 Hoisting Chain Pulley. | A | 82 Intermediate Pulleys, Complete. |
| A | 26 Hoisting Chain Pulley Thimble. | A | 83 Mowing Guard. |
| B | 26 Plate for Chain Pulley. | A | 84 Reaping Guard. |
| | 27 Hoisting Lever Dog. | A | 90 Reel Holder. |
| A | 27 Hoisting Lever Dog Thimble. | A | 91 Reel Handle. |
| B | 27 Plate for Hoisting Lever Dog. | A | 92 Reel Shive. |
| | 28 Chain Brace, Complete. | A | 93 Seat. |
| A | 28 Drag Bar Stand. | A | 94 Seat Spring for Mowing, Complete. |
| | 29 Clutch. | A | 94 Seat Spring for Raker's Seat. |
| | 30 Clutch Slide. | A | 98 Tongue Plate. |
| A | 30 Guide for Clutch Slide. | A | 99 Back Rod. |
| | 31 Dividing Point on Table. | A | Box, Complete. |
| A | 31 Reaping Shoe Mowing Bar Attachment. | A | Hoisting Chain. |
| | 32 Reaping Shoe Sickle Bar Attachment, Old Style. | A | Crank Wrist. |
| A | 32 Reaping Shoe Sickle Bar Attachment, New Style. | A | Tongue. |
| A | 33 Chain Pulley Arm. | A | Whiffletrees. |
| A | 34 Chain Pulley Arm Socket. | A | Handle for Lever. |
| A | 35 Shifter Guide. | A | Swathing Stick. |
| A | 36 Shifter Handle. | A | Swathing Stick and Sockets, Complete. |
| A | 36 Reel Post Casting. | A | Neck Yoke. |
| | 37 Chain Brace Dog. | A | Reel Chain. |
| | 38 Rod to hold up Finger Bar. | A | Reel Slat. |
| | 39 Ratchet Wheel, Right. | A | Reel Post. |
| A | 39 Ratchet Wheel, Left. | A | Reel, Complete. |
| A | 40 Stationary Slide for Castor Wheel. | A | Reel Shaft. |
| A | 41 Adjustable Slide for Castor Wheel. | A | Hand Rake, Old Style. |
| A | 42 Castor Wheel. | A | Hand Rake, New Style. |
| A | 43 Cast Guard on Sickle Table. | A | Guard Rivets. |
| | 44 Pitman Rod. | A | Section Rivets. |
| | 45 Pitman Swivel with Bolts. | A | Babbett Metal. |
| | | A | Spring Keys. |



PARTS OF NO. 2 REAPER AND MOWER.

PARTS OF NO. 2, COMBINED REAPER & MOWER.

- | | |
|--|--|
| <p>No.</p> <p>1 Drive Wheel, Right and Left.</p> <p>A 2 Drag Bar Arm.</p> <p>A 3 Bevel Pinion Shaft.</p> <p>3 Cover for Bevil Wheel.</p> <p>B 3 Bevil Wheel.</p> <p>A 4 Bevil Pinion.</p> <p>5 Outside Shoe.</p> <p>B 6 Inside Shoe.</p> <p>A 7 Internal Gear Cover.</p> <p>8 Internal Gear.</p> <p>B 8 Internal Gear Pinion.</p> <p>9 Upper Swath Socket.</p> <p>10 Lower Swath Socket.</p> <p>11 Crank Shaft.</p> <p>B 11 Crank Wheel with Wrist.</p> <p>12 Crank Shaft Shield.</p> <p>14 Tongue Ferrule.</p> <p>15 Tongue Socket.</p> <p>A 15 Tongue Plate.</p> <p>16 Hoisting Lever Socket.</p> <p>A 17 Hoisting Lever Stand.</p> <p>18 Plate for Hoisting Lever Dog.</p> <p>A 19 Chain Brace Complete.</p> <p>20 Main Shaft Washer.</p> <p>A 21 Main Shaft.</p> <p>22 Ratchet Dog with Spring, Right.</p> <p>23 Ratchet Dog with Spring, Left.</p> <p>24 Ratchet Wheel, Right.</p> <p>25 Ratchet Wheel, Left.</p> <p>26 Hoisting Chain Pulley.</p> <p>B 26 Plate for Hoisting Chain Pulley.</p> <p>A 26 Thimble for Hoisting Chain Pulley.</p> <p>27 Hoisting Lever Dog.</p> <p>B 27 Hoisting Lever Dog Thimble.</p> <p>A 28 Drag Bar Stand.</p> <p>28 Clutch Slide.</p> <p>B 28 Clutch Slide Guide.</p> <p>A 29 Clutch.</p> <p>A 30 Drag Bar, Complete.</p> <p>31 Dividing Point on Table.</p> <p>A 31 Reaper Shoe.</p> <p>B 31 Internal Gear Box Cap.</p> <p>32 Front Stirrup Box Cap.</p> <p>33 Rear Stirrup Box Cap.</p> <p>A 33 Chain Pulley Arm.</p> <p>A 34 Chain Pulley Arm Socket.</p> <p>34 Bevel Pinion Box Cap.</p> <p>35 Main Shaft Box Cap.</p> <p>A 35 Shifter Guide.</p> <p>B 36 Shifter Handle.</p> <p>A 36 Reel Post Casting.</p> <p>37 Main Shaft Box, Right.</p> <p>38 Main Shaft Box, Left.</p> <p>39 Front Stirrup Box.</p> <p>40 Rear Stirrup Box.</p> <p>A 40 Stationary Slide for Castor Wheel.</p> <p>A 41 Adjustable Slide for Castor Wheel.</p> | <p>No.</p> <p>A 42 Castor Wheel.</p> <p>A 43 Finger Bar Rod.</p> <p>45 Pitman Nut.</p> <p>46 Pitman Head.</p> <p>A 46 Pitman Box, Iron.</p> <p>A 46 Pitman Box, Bronze.</p> <p>47 Pitman Jam Nut.</p> <p>A 47 Pitman Rod.</p> <p>B 48 Pitman, Complete.</p> <p>48 Finger Bar, Drilled.</p> <p>A 48 Finger Bar, Complete.</p> <p>49 Mowing Knife.</p> <p>A 49 Mowing Knife Shank, Loop Heel.</p> <p>50 Sickle Knife Mower Bar.</p> <p>51 Section, Mowing.</p> <p>52 Blind Section.</p> <p>53 Sickle Section.</p> <p>A 55 Castor Wheel Arm.</p> <p>59 Stop on Reel Post.</p> <p>60 Crank Wheel Shield.</p> <p>61 Flange Thimble, Main Shaft.</p> <p>62 Driving Shive, Hand Raker.</p> <p>63 Table Arm.</p> <p>64 Table Arm Socket.</p> <p>65 Finger Bar Plate.</p> <p>A 67 Table Support.</p> <p>68 Thimble to hold Reel Shive.</p> <p>69 Thimble for Inside Reel Holder.</p> <p>75 Reel Post Brace.</p> <p>82 Intermediate Pulleys, Complete.</p> <p>83 Guard.</p> <p>90 Reel Holder.</p> <p>91 Reel Handle.</p> <p>92 Reel Shive.</p> <p>93 Seat.</p> <p>94 Seat Spring, Mowing.</p> <p>A 94 Seat Spring, Raker's Seat.</p> <p>99 Back Rod.</p> <p>Hoisting Chain.</p> <p>Crank Wrist.</p> <p>Tongue.</p> <p>Whiffletrees.</p> <p>Handle for Lever.</p> <p>Swathing Stick.</p> <p>Swathing Stick and Sockets, Complete.</p> <p>Neck Yoke.</p> <p>Reel Chain.</p> <p>Reel Slat.</p> <p>Reel Post.</p> <p>Reel, Complete.</p> <p>Reel Shaft.</p> <p>Hand Rake, Old Style.</p> <p>Hand Rake, New Style.</p> <p>Guard Rivets.</p> <p>Section Rivets.</p> <p>Babbett Metal.</p> <p>Spring Keys.</p> |
|--|--|



PARTS OF NO. 2 MOWER.

PARTS OF NO. 2, MOWER.

- | | | | |
|-----|-------------------------------------|-----|--|
| No. | 1 Drive Wheel, Right and Left. | No. | 33 Rear Stirrup Box Cap. |
| | 2 Drag Bar Arm. | | 34 Bevel Pinion Box Cap. |
| A | 3 Bevel Pinion Shaft | | 35 Main Shaft Box Cap, Right and Left. |
| | 3 Cover for Bevel Wheel. | A | 35 Shifter Guide. |
| B | 3 Bevel Wheel. | B | 36 Shifter Handle. |
| A | 4 Bevel Pinion. | | 37 Main Shaft Box, Right. |
| | 5 Outside Shoe. | | 38 Main Shaft Box Left. |
| | 6 Inside Shoe. | | 39 Front Stirrup Box. |
| A | 7 Internal Gear Cover. | | 40 Rear Stirrup Box. |
| | 8 Internal Gear. | | 41 Finger Bar, Complete. |
| B | 8 Internal Gear Pinion. | | 42 Finger Bar, Drilled. |
| | 9 Upper Swath Stick Socket. | A | 43 Finger Bar Rod. |
| | 10 Lower Swath Stick Socket. | | 44 Finger Bar Plate. |
| | 11 Crank Shaft. | | 45 Pitman Nut. |
| B | 11 Crank Wheel with Wrist. | | 46 Pitman Head. |
| | 12 Crank Shaft Shield. | B | 46 Pitman Rod. |
| | 14 Tongue Ferrule. | A | 46 Pitman Box, Iron. |
| | 15 Tongue Socket. | A | 46 Pitman Box, Bronze. |
| A | 15 Tongue Plate. | | 47 Pitman Jam Nut. |
| | 16 Hoisting Lever Socket. | | 48 Pitman, Complete. |
| A | 17 Hoisting Lever Stand. | | 49 Mowing Knife Shank. |
| | 18 Plate for Hoisting Lever Dog. | | 50 Blank Section. |
| | 19 Chain Brace, Complete. | | 51 Section. |
| | 20 Main Shaft Washer. | | 52 Knife. |
| | 21 Main Shaft. | | 60 Crank Wheel Shield. |
| | 22 Ratchet Dog with Spring, Right. | | 83 Guard. |
| | 23 Ratchet Dog with Spring, Left. | | 93 Seat. |
| | 24 Ratchet Wheel, Right. | | 94 Seat Spring. |
| | 25 Ratchet Wheel, Left. | | 95 Back Rod. |
| | 26 Hoisting Chain Pulley. | | Hoisting Chain. |
| A | 26 Hoisting Chain Pulley Thimble. | | Crank Wrist. |
| B | 26 Chain Pulley Arm. | | Tongue. |
| | 27 Hoisting Lever Dog. | | Whiffletres. |
| A | 27 Plate for Hoisting Chain Pulley. | | Handle for Lever. |
| B | 27 Thimble for Hoisting Lever Dog. | | Swathing Stick. |
| | 28 Clutch Slide. | | Swathing Stick and Sockets, Complete. |
| B | 28 Clutch Slide Guide. | | Neck Yoke. |
| A | 29 Clutch. | | Guard Rivets. |
| | 29 Drag Bar Stand. | | Section Rivets. |
| | 30 Drag Bar, Complete. | | Babbett Metal. |
| B | 31 Internal Gear Box Cap. | | Spring Keys. |
| | 32 Front Stirrup Box Cap. | | |

SIZES AND STYLES.

No. 1 Mower, Diameter of Driving Wheels, 32 inches. Width of cut, 4 feet 5 inches.

No. 2 Mower, Diameter of Driving Wheels, 29 inches. Width of cut, 4 feet 2 inches. This machine cannot be made a combined Reaper and Mower.

No. 1 Mower and Reaper has a platform, with wrought iron guards *attached to it*, and cutting a swath 5 1-2 feet wide.

No. 1 Mower and Reaper, (mowing-bar platform,) is when the platform is attached to the mowing-bar, and the mowing-knives used when reaping. This will cut a swath about 4 feet 9 inches. The Self-Rake is applied to both wide cut and MOWING BAR Platforms.

No. 2 Mower and Reaper (mowing bar platform) has same cutting apparatus for mowing as the No. 1, and the reaping platform is attached the same way and cuts same width as No. 1.

Those who wish a Hand-Raker, as well as Self-Raker in the same Machine, can here find it. By loosening three bolts, you can unship the whole Self-Raking apparatus, and set it off on the ground. You can then place the Reel and Post in the Drag-Bar Socket, attach the Raker's Seat, and you have a perfect Hand-Raker, or *vice versa*. When the Hand-Raking apparatus is furnished with the Self-Raker, it will be an extra charge. Either a smooth edge or Sickle-Knife can be used with the wide cut reaper, as desired.

arm, about eighteen inches long, provided with a chain sixteen inches long. This table support must be put on the top of the rake frame or foot, with the *straight side* down. After placing the rake frame or foot on the shoe bolts, with the forward end of the rake frame on the top of the drag-bar stand, the small bolts that fasten the frame to the drag-bar stand should be put in their places with the heads down. Put the nuts on, to prevent the bolts from dropping out; do not screw them fast until the shoe bolts are first made secure. Before proceeding further with the rake, the table support should be attached to the machine by means of the chain provided for the same, and the grain wheel put in its place on the outside of the table. There are holes provided in the table to fasten the grain wheel, so as to cut the stubble at any desired height, from three to twelve inches. The rake heads can now be put on the iron arms. Should the rake teeth pass too near the guards on the outer end of rake head, they can be easily adjusted, by unscrewing the bolts that fasten the rake head to the iron arm, and place a washer or a piece of leather between the iron and wood, at the inside bolt, to raise the teeth on the outer end, or at the outside bolt, to lower the teeth. The rake teeth at the outer end of rake head should pass from one half to two inches above the guards. Now the shoe must be bolted to drag-bar stand, with a bolt that is provided. There is a board provided to shield the drag-bar stand and shoe, that is to be bolted to the drag-bar stand with one bolt. The shifter is now to be put in its place. Take off the lever from the shaft; pass the shaft through the hole in the tongue socket from the off side, with the arm down. Fasten the lever to the shaft again. Now take the chain that is attached to the switch arm; pass it through the slot in the drag-bar board, and hook the same to a rod that is attached to the shifter arm, leaving the switch free to be raised above the rake arm, or to drop below the same, at the will of the driver. The lever chain should not be very slack when the switch is down. To put on the driving chain, you will place the chain on the axle pulley, and take off the bevel pinion. Place the pinion pulley inside the chain; now put the pinion in its place, (after oiling the bearing,) and secure the pinion in its place by the nut and washer provided for the same. It will be well to take off the pinion to oil its bearing every two hours. The rake cam should be oiled often, with oil or lard, where the rake arms rub on the same. The rollers should be oiled two or three times a day. The switch should also be oiled often, where the rollers run on it. There are holes in the rake frame, and in the drag-bar stand, by means of which the chain can be kept at its proper tension, should it stretch by using. Be sure to keep the cam and rake arms well lubricated when the same are new. After they become smooth, bar soap is a good substitute for grease.

DIRECTIONS FOR STARTING AND OPERATING DODGE'S PATENT REAPER AND MOWER.

FOR MOWING.

Attach the Drag Bar to forward arm of Machine frame. Fasten finger-bar to drag-bar by means of a bolt passing through end of drag-bar and inside shoe, bolt head outside. Put in spring key, spreading the ends so that it will not lose out. Attach chain brace bar to the inside shoe, by means of a bolt passing through each. Put in spring key, spreading the ends as above. Let the forward end of the shoe remain loose, so as to rise and fall in the drag-bar socket. Insert the knife, attach the pitman to the knife, by inserting the end in the eye FROM THE FRONT, with the crook of the pitman upwards. Put in spring keys as above. Now turn the balance crank by taking hold of the pitman rod *with the hand*, and see if the knife plays *easily through the guards*. Oil the upper sides of the guards and lower side of knife where they come in contact. Attach hoisting lever chain to lever socket, leaving two or three inches slack chain, when the finger-bar is *on the ground*, and *the lever lying forward*. Put swath stick irons in the outside shoe; adjust the upper stick by bolt and slot, according to height of grass to be cut. Oil all the bearings well, with good lard or sperm oil, and keep the oil cups corked up, so as to exclude dirt and dust. Now throw the Machine in gear. Keep the crank shaft and pitman box well oiled. Should the pitman box become loose from any cause, so as to rattle or clash on the crank-pin, unscrew the set or jam nut, then screw in the PITMAN NUT until the lost motion or space is taken up; then tighten the set or jam nut, and the little pitman boxes will be all right. This SET OR JAM NUT must be kept tight against the pitman head. Care must also be had in setting up these boxes together, that they are not too tight, as in that case the wrist-pin will heat, and the machine run hard. In some kinds of grass, gum or juice will accumulate UNDER THE KNIFE, and UPON THE GUARDS, where the knife rests on, and great care should be taken to observe this, as when that occurs, the knife will move with great difficulty, if it does not even break it, or at any rate cause the Machine to run hard. By turning up the finger-bar occasionally, it can be readily seen, and by applying good oil between the knife and guards, it will loosen and clear all the gum out. The knives should be ground on a grind stone, not FILED, every eight or ten acres, and kept *perfectly sharp*. You cannot do good work with a dull knife. As soon as you stop the Machine, ALWAYS THROW IT OUT OF GEAR, as the least movement of the team will cause the knife to vibrate, and accidents will likely occur, if any one is arranging any part of the cutting apparatus. Always turn the crank wheel so that the pitman will be down, and THROW THE MACHINE OUT OF GEAR when folding the finger-bar.

INSTRUCTIONS FOR ATTACHING SELF-RAKER.

FOR REAPING.

The platform is attached to the drag-bar in the same manner as for hand raker. To do this easily, the drag-bar and platform should be blocked up about six inches from the ground. The frame, or wrought iron foot, is fastened to the inside shoe of the platform by means of bolts which fasten the shoe to the platform, which are long enough to take the rake frame or foot and the table support. The table support is a wrought iron

THE PREMIUM MOWER AND REAPER.

Dodge's Harvester.

AWARDED THE

Special Diploma and Grand Medal of Honor,

AS THE BEST

COMBINED MOWER!

HAND-RAKING REAPER!!

AND SELF-RAKING REAPER!!!

On exhibition at the Great Fair of the ST. LOUIS AGRICULTURAL
AND MECHANICAL ASSOCIATION, October 6th, 1866.

STATEMENT OF THE COMMITTEE.

The undersigned, the Awarding Committee on Mowers and Reapers at the Sixth Fair of the St. Louis Agricultural and Mechanical Association, would state that upon careful investigation of ALL the Machines on exhibition, unanimously decided that the "Dodge" Machine was the BEST COMBINED SELF-RAKING REAPER AND MOWER.

We therefore commend the "DODGE" as the Best Combined Mower and Hand and Self-Raking Harvester, and award it a SPECIAL DIPLOMA and MEDAL OF HONOR.

THOS. SKINKER, Chairman,
THOS. G. SETTLE,
DAVID W. BRYANT,
JAMES MILLER, } Committee.

St. Louis, Oct. 6, 1866.

This Machine has been awarded Medals and First Premiums by the Pennsylvania and Iowa State Fairs, and by hundreds of County Fairs in all parts of the country. We have an immense number of testimonials from farmers in all sections of the country, speaking in the highest terms of its qualities as a Mower, and also as a Self-Raking Reaper.