

DODGE'S

PATENT

Reaper & Mower,

SELF-RAKER.



DODGE & STEVENSON MANUFACTURING CO.
Auburn N.Y.
Agent

DIRECTIONS

FOR STARTING AND OPERATING

Dodge's Patent Reaper & 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 side 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 can not 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.

FOR INSTRUCTIONS FOR ATTACHING SELF-RAKER,

SEE THIRD PAGE OF COVER.

THE PREMIUM MOWER AND REAPER.

DODGE'S HARVESTER,

AWARDED

THREE GOLD MEDALS,

ALSO,

A Special Diploma and Grand Medal of Honor,

AS THE BEST

COMBINED MOWER,

HAND-RAKING REAPER,

SELF-RAKING REAPER,

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

ALSO,

THE GOLD MEDAL OF HONOR

FOR THE

Best Combined Reaper and Mower and Self Raker

In the Great Trial at Louisville, Ky., 1869.

This Machine has also been awarded Medals and First Premiums by various 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.

MILWAUKEE:

Riverside Printing House, No. 1 Spring Street,
1870.



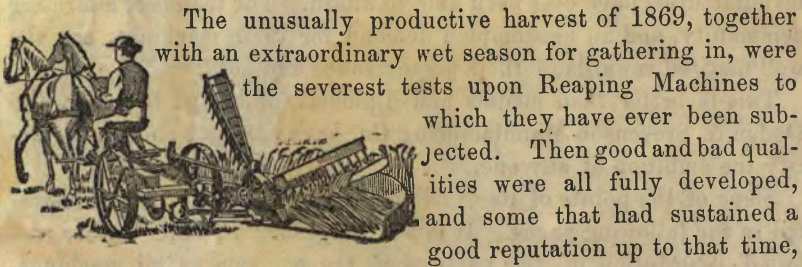
DODGE'S MOWER.

This Machine, as seen in the above cut, is built of two sizes, and designated as No. 1 and No. 2. The No. 1 Mower has 32 inch driving wheels and cuts 4 feet 6 inches. The No. 2 Mower has 29 inch driving wheels and cuts 4 feet 2 inches. When the No. 2 Mower is combined with the Reaping attachment, the finger bar is the same as for the No. 1 Mower.

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 Manufacturing Co.

ANNUAL CIRCULAR.



The unusually productive harvest of 1869, together with an extraordinary wet season for gathering in, were the severest tests upon Reaping Machines to which they have ever been subjected. Then good and bad qualities were all fully developed, and some that had sustained a good reputation up to that time, failed in ability to do the work required of them. It is however gratifying to be able to announce that the **Dodge Self-Raking Reaper**, made by the **Dodge & Stevenson Manufacturing Co.** proved equal to the emergency, and in no locality of the great Northwest was it inferior to the other best machines. Indeed its reputation is now firmly established as the machine superior to all others when the varied kind of work that it is able to do is taken into consideration.

It is a COMBINED machine in every quality and condition ; not only as a Mower, a hand-raking Reaper, and a self Raking Reaper, but in its ability to perform all the various kinds and combinations of work for which it is intended, in all the different kinds of harvest that the varying seasons produce.

This firmly established reputation gives the agents great confidence in offering it to the farming community, and enables the intelligent Agriculturist to decide at once as to the machine suitable for his work. It is emphatically a WORKING MACHINE, not a machine for play, or a painted toy to catch the eye, but prove a disappointment in the using ; but the Machine *par excellence*, for real, practical, successful work. Many machines work well in ordinary harvests that do not work satisfactorily when there is an unusual growth of straw, or when the season is wet ; they then only prove an annoyance to the farmer. The experience of the past year has established the truth of this, and reduced some machines to a low scale in the market, while it has advanced others.

Among the latter the DODGE stands pre-eminent, and can now be offered to the farming community as **The Standard Machine of this Country.**

The Manufacturers of the "Dodge" have been indefatigable in their efforts to produce a machine that would be simple in its construction, durable in material, easily managed and kept in repair, and perfect in its working qualities. They have achieved a success that few manufacturers have ever been able to attain. The thanks of a farming community, and an unexampled demand for their machines, are the well merited rewards of their perseverance and skill.

This is better than medals and diplomas, of which, however, the Dodge & Stevenson Manufacturing Co. have received enough to satisfy the ambition of any one.

Some of the points of its excellence and superiority are enumerated in the following pages. It is not necessary to enter into a detailed description of the parts that are common to all machines, and of course not surpassed by any of them; but we refer only to those positive points of superiority, in either its working qualities or mode of construction, peculiar to itself; and that establishes its standing as the best machine in the market.

To Agents, we wish to say a word, and impress on them the importance of taking *early* orders. We can only procure a limited number of machines, and knowing that the demand for them will be large, we advise them to order early, and thereby secure the machines, and perhaps enable us to increase our supply by early application to the manufacturers.

L. J. BUSH & CO.





THE DODGE SELF-RAKER

In the Harvest Field.

This machine is manufactured of two sizes, of which the above is a correct representation. The No. 1 cuts 5 ft. six inches in Reaping, and 4 ft. six inches in Mowing. Sickle for Reaping, and knives for Mowing. It is also made as a single Self-Raker. The No. 2 cuts 4 ft. 6 inches in Reaping or Mowing. Platform being attached to finger bar of Mower; same knives used for both.

The great advantage of this Rake over others, is, that the driver has perfect control of it, and is enabled to make the gavels of uniform size, whether the grain is thick or thin. The gavels are also thrown off by the rake in perfect order for binding.

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, raising and falling INDEPENDENT of the wheel or frame, and by its sled shape, passes over ant-hills and bogs, raises 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 **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 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.





THE DODGE HAND-RAKER.

At Work in the Harvest Field.

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 **Overhanging 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.

The Hand Raker Attachment can be furnished with a Self-Raker at a cost of \$10

TESTIMONIALS.

THE GREAT REAPER TRIAL.

(From the Louisville, Ky., Evening Express.)

This great trial of Reapers and Mowers near this city commenced on the 29th ult., and continued four days. About THIRTY MACHINES were entered. The great Reaping and Mowing Trial which engaged the attention of our Agricultural community during the past week, has resulted in awarding the premium as follows :

To Dodge & Stevenson Manufacturing Company, of Auburn, N. Y., the "Dodge Harvester," a GOLD MEDAL OF HONOR, valued at \$150 00, for the Best Combined Reaper and Mower and Self-Raker.

The trial was the closest contest ever made on this continent, and the decision of the Committee was made after the most thorough tests and examination of the work as it progressed, and of the ground afterward. We believe it generally meets with favor.

The Dodge Harvester is built at Auburn, N. Y., by the Dodge & Stevenson Manufacturing Company, who have turned out some six thousand for the present harvest, and were thousands behind their orders weeks ago. It is universally admitted to be a first class machine in every respect, and had hosts of admirers at the trial, and in fact was a general favorite, although this was its first appearance before the Kentucky public. The "Dodge Self-Rake" is used by other manufacturers, and is one of the standard improvements of the age.

This Machine satisfied every one present of its merits, cutting in all kinds of grass and grain, depositing the gavels in neat bundles without choking or clogging the Machine, or scattering the grain.

The "Dodge Self-Raker" is without doubt one of the most ingenious, and at the same time simple devices ever presented to the Agricultural Public, and is really a "Farmer's Friend." There is nothing about it complicated, and it works with as much facility and uniform regularity as the hands of a well regulated clock. We saw the very heaviest of wet lodged grain cut and deposited in gavels without choking or clogging, and laid straight and even at the butts. The gavels were deposited to the side, entirely out of the way for the next round, which was not the case with many other devices and machines. It is a Combined Machine, and is readily changed from a Reaper to a Mower, and vice versa. The Farmers of other states who have used the Machine in question, uniformly certify to its merits. Indeed, wherever it has been introduced, it has been given the most unqualified satisfaction. It had no "blowers" or "strickers," did not extend its "tongue," and made the tests requested by the Committee without dictation or suggestion, the exhibitors relying on the merits of the Machine for success; and they were not disappointed.

Trial of Mowers—Dodge Wins.

The competing machinery agents of our city got up a Mower trial on Tuesday, which came off about two miles from Berlin, on the farm formerly owned by Mr. Barlow. About sixty farmers were on the ground to witness the trials. Six machines were entered for competition, as follows: W. H. & R. H. Jones exhibited the Dodge machine No. 2, being the Ohio and Buckeye Combined Reaper and Mower; also the Champion No. 3 Mower. Biggert & Graves exhibited the McCormick Mower, and the Yankee Mower. Pratt & Porter had a Hubbard Mower on the ground. Parker & Smith entered the Ætna Combined machine.

The ground was not very favorable for a test, being in many places so soft that the horses mired, yet not rough enough to suit the agents, each of whom could have shown the crowd that his machine would knock the socks off all competitors, if the bogs were only high enough.

After the machines had cut the meadow into various ill-shapen patches, a committee consisting of A. Walker, I. H. Morris, R. Dollar, H. Sherman and E. Daugherty, were appointed to decide the merits of the several machines, and their work assigned them. Each machine was required to cut a double swarth around it, independently. *The judges, after following each machine in its work, and subjecting them to all the tests at hand, AWARDED THE PREFERENCE TO THE DODGE MACHINE for ease of draft and superiority of work.* The McCormick was given the second preference.

We are not very well posted on mowing machines, and cannot determine when in a drove, which is t'other, but of one thing we are fully convinced, and that is, mower trials are a big thing—on a meadow. In our meadow, either one would be preferred to the crowd.—*Berlin Courant.*

Dodge vs. McCormick.—The Dodge Wins.

From the North Iowa Times.

The "Dodge," No. 1 Self-Raker I bought of J. J. Roberts this day. Have just given it a severe test in badly tangled barley, on the farm of John Polas, in a trial with a McCormick *six foot* reaper. The same work was done with ease by *two* horses on my machine that it required *four* to do on the McCormick. The Self-Raker worked to my entire satisfaction, feeling on the grain and delivering the gavels in perfect order at the will of the driver, by slightly moving a lever—which I consider of no small value when the crop is heavy on *one* side of the field and light on the other. In short I am perfectly satisfied with it, and would recommend my friends to see it before they purchase any other.

CHAS. BANDOW.

My team hauled the above machine, and I was surprised at the lightness of draft. The self-rake did its work good enough for me.

I consider the "Dodge" a perfect self-rake, and all that can be desired.

JOHN VOSS.

J. POLAS.

FT. ATKINSON, Wis., November 18th, 1868.

Messrs. L. J. Bush & Co.—Gents: This is to certify that I bought one of your Self-Rake Reapers and Mowers Combined. I cut about 125 acres of grain. The Self-Rake does the work better than it can be done by hand, especially

in lodged grain. It gave entire satisfaction. I also cut about 35 acres of grass; part of it was very rough marsh ground. I mowed where I did not suppose a machine could mow. My machine has never broke or bothered me; it has always been ready to work. I have used a number of other kinds of machines, and this suits me better than and other machine I ever saw work. I freely recommend it to any man that wants the best Combined Machine in use.

WILLIAM ROSE.

P. S.—I owned one of George Esterly's Reapers before I bought yours.

WAUKESHA, Wis., November 12, 1869.

Messrs. L. J. Bush & Co.—Gents: In the summer of 1866 I purchased from your agent in this place, Mr. H. Kendrick, one of Dodge's Combined Reapers and Mowers, with Self-Rake. I liked the Machine as a Reaper and Mower, and with the improved Self-Rake that you sent me last summer, put the finishing touch to it. I put on the improved Rake, and with a boy to drive, started it into my grain. It worked to my entire satisfaction in heavy and light grain, both in reeling on the grain and raking it off in gavels of any size the driver chooses. I used it through my whole harvest, without having to stop to alter or repair anything about the machine. After using the machine through three seasons, mowing and reaping from 150 to 175 acres each year, I am still of the same opinion that I was when I bought it—that it is the best Combined Machine with Self-Rake in use.

Yours Respectfully,

WM. BLAIR.

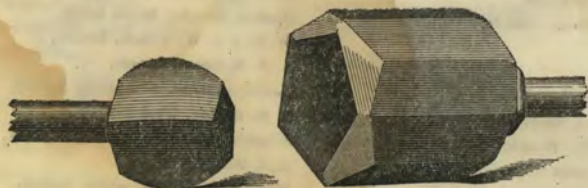
REFERENCES:

We give herewith the names of a few practical Farmers—taken at random from our books—who have used our Machines, made by the DODGE & STEVENSON MANUFACTURING COMPANY, and we are perfectly willing that the reputation of our Machines shall rest with their affirmation.

Warner Bertram, Good Hope,	Wis.	Peter McKinzie, Decorra Col. Co.,	Wis.
Wm. & Henry Shields, Hales Corners,	"	G. Zimmerman, Horicon,	"
Wm. Wagner, Neenah,	"	Fred Botch, Burnett,	"
Daniel Davis, Rising Sun,	"	Anna Shaford, Jefferson Co.,	"
Domin. Meyers, Ozaukee,	"	Kaspar Nower, Fort Winnebago,	"
C. Schutte, Howard's Grove,	"	Gottlieb Lampson, Caledonia Col. Co.,	"
C. Fisher, Plymouth,	"	Peter Miner, Retreat,	"
Wybro & Menk, Burnett,	"	James Angen, Cascade,	"
Lorenz. Katzemeyer, Manitowoc,	"	August Giese, Alloo,	"
John Gunnerson, Winneconne,	"	Wm. Johnson,	"
Nicholas Schott, Fisk's Corners,	"	S. Grassor, Manitowoc,	"
A. Halkney, Rushford,	"	Michael Selluk, Alloo,	"
S. R. Harvey, Cascade,	"	C. Neebert, Charlestown,	"
D. S. Grube, Menona,	"	J. Perry, Oshkosh,	"
Saml. A. Johnson, Trempeleau,	"	A. Rudinger,	"
A. Arch, Cambria,	"	Martha Jenks, Jefferson Co.,	"

D. Wilson, Dartford,	Wis.	Geo. Rernerker,	“	Wis.
Richard Thomas, Bangor,	“	Wm. Folsen, Burnett,	“	“
R. Gross, West Oasis,	“	J. J. Owens, Cambria,	“	“
John Rull, Bloomfield,	“	Wm. Frazier, Jefferson Co.,	“	“
S. Sheribel, Ozaukee,	“	B. Case, Greenfield,	“	“
G. C. Dearborn, Decora,	“	S. A. Shuffatt, Omro,	“	“
O. Olsen, Amherst,	“	A. E. Gilbert, Greenfield,	“	“
J. Lutz, Alimna,	“	Frederick Swartz, Franklin,	“	“
John C. Korte, Monona,	“	J. Chaderick, Jefferson Co.,	“	“
Theodore Flenningfield, Burlington,	“	Joseph Bagly,	“	“
Wm. Blair, Waukesha,	“	H. R. Ruink, New Ulm,	“	Minn.
R. B. Tously, Winooska,	“	Bernard Frey,	“	“
N. H. Johnson, Quincey,	“	P. Glasner	“	“
C. King, Omro,	“	H. A. Subilia, New Ulm,	“	“
G. Butler, Winooski,	“	Carl Rath, Eden,	“	“
John Friedelo, Jefferson Co.,	“	Isaac Johnson, Eden,	“	“
John Hachtel,	“	F. W. Walker,	“	“
Ferd & Wood, Cascade,	“	J. Quinn, West Newton,	“	“
Joseph Morrison, Jefferson Co.,	“	Z. Banks, Riceville,	“	“
M. Hoffman, Bloomfield,	“	M. McNamara,	“	“
J. Boyd, Waukesha,	“	T. O. Roon, Linden,	“	“
F. Stratman, Calumet,	“	Neils & John Tarsan, Butternut Valley,	“	“
E. Welch, Brothertown,	“	N. A. Nelson, Medo,	“	“
C. Conrad, Waukesha,	“	Carl F. Ulrich, Mankato,	“	“
R. Richardson, Omro,	“	Welsen & Aleckson, South Bend,	“	“
John Denuing, Rising Sun,	“	Johan Maynm, Beanford,	“	“
Stephan Gooman, Jefferson,	“	Frank Troska, Medo,	“	“
C. C. Bloom, Calumet,	“	John J. Murphy, Winnebago Agency,	“	“
Carl Wagner, Jefferson Co.,	“	T. Halloosen & M. Tollaffsen, Madelia,	“	“
Peter Lengewell, Caledonia,	“	W. K. Morris, Sterling,	“	“
John J. Salentine, Greenfield,	“	Carl Wagner, Mankato,	“	“
H. Randall, Winchester,	“	Peter C. Hynie, South Bend,	“	“
Frederich Geese, Caledonia,	“	G. F. Bills, Winnebago Agency,	“	“
N. C. Meyers, Plover,	“	N. T. Randolph, Lake City,	“	“
N. Fisher, Plymouth,	“	Geo. Todd, Robt. Quinn & G. C. Dear-	“	“
B. & A. E. Ford, Cascade,	“	born, Decora, Blue Earth Co.,	“	“
Jas. E. Brown, Good Hope,	“	Isaac C. Munger, Lake City,	“	“
C. Warner, Bamburgh,	“	D. W. Burlesen, Winnebago Agency,	“	“
A. Wilson, Plymouth,	“	Hans Reynolds, Madelia,	“	“
Horatio Merriman, Jefferson Co.,	“	Gustave Melicke, Maple River,	“	“
Wm. Mark	“	W. H. & J. W. Sellers, Decoro,	“	“
Milo Clark,	“	A. H. Mattesen, Decoro,	“	“
Charles H. Gunther, Caledonia,	“	Dennis Sullivan, Winnebago Agency,	“	“
F. E. Hopkins, Sheboygan Falls,	“	L. M. Boylan, West Mitchell,	“	“
John K. Curtin, Plymouth,	“	Sebastian Neller, Winnebago Agency,	“	“
M. Berg, Calumet Village,	“	H. J. Winn, St. Paul,	“	“
J. Downe, Stockbridge,	“	Thomas Gibbons, Hamilton Station,	“	“
Wm. Staab, Waukesha,	“	John D. Apmann, Stillwater,	“	“
Henry Zahm, Greenfield,	“	John Kempf,	“	“
A. Karten, Mequon,	“	Milo Clark, Elkader,	“	Iowa.
George Hyde, Jefferson Co.,	“	James Humphrey, Giard,	“	“
James Case,	“	Horace Bayley, Farmersburg,	“	“
John Miner, Rising Sun,	“	M. Shankey, Elkader,	“	“
Owen Dunleavy,	“	Henry Brooks, Brush Creek,	“	“

Geo. & Stephen Ward, Jefferson Co.,	Wis.	O. Page, Elkader,	Iowa.
A. D. Merrill,	"	B. Liebenstein, McGregor,	"
Robert Merriman,	"	Jacob Christeny, Wagner,	"
Saml. Wyman,	"	Henry D. Alfred, Farmerburg,	"
Fred. Huppert,	"	John J. Evans, Cresco,	"
Y. Rents,	"	W. D. Chittenden, Fayette,	"
John Bankert,	"	J. M. Ryan, Menona,	"
Francis Strigle,	"	John Miller, Farmersburg,	"
Danl. Jenkins,	"	Frank Sebastian,	"
Allen Cobb,	"	T. C. Roberts,	"
John O. Brine,	"	Ferdinand Rienke,	"
N. & J. William	"	Jacob Zurcher,	"
James Morrison,	"	Henry Weber,	"
P. Hoffman, Manitowoc,	"	M. D. Covell, Brush Creek,	"
C. Wiegand,	"	Wm. Davis, Elkader,	"
Welch & Daly, Sheboygan,	"	John Smith,	"
S. Knonner,	"	Timothy Hogan,	"
F. Stasser,	"	John Hogan,	"
V. Brehm,	"	Jacob Walters,	"
Thomas Giggins, Manitowoc,	"	M. A. Rounds, Gem,	"
John Smith, Sheboygan,	"	George Lapp, Giard,	"
P. Wisselink, Sheboygan Falls,	"	Edward M. Paul,	"
J. Steinfeld, Our Town,	"	John Shepard,	"
C. Hamman, Manitowoc,	"	James Brooks, Wagner,	"
Wm. Pollark, Jefferson Co.,	"	Jacob Zurcher,	"
— Baxter, New Lisbon,	"	Jacob Walters,	"
John R. McCredie, Portage City,	"	John C. Hellman, Hawkeye,	"
G. H. Williams, Jefferson Co.,	"	Jonathan Stoddard, Green Brush,	"
S. Barr, Winooski,	"	O. Welsh, Lime Springs,	"
Joseph Leitz, Jefferson Co.,	"	S. A. Lyons, St. Ansgar,	"
C. Collins, Greenfield,	"	Edwin Irwin, Monona,	"
Lewis Bliss, Jefferson Co.,	"	H. H. Denman, Garnavillo,	"
Henry Langhalf	"	Andrew Buckmiller, Clayton Center,	"



YALES SAFETY COUPLING.

Sizes and Styles.

No. 2 Mower.

Wood Frame. Cast Steel Finger bar. Driving Wheels 29 inches in diameter. Cuts 4 ft. 2 inches. Stroke of knife and width of sections 3 inches.

No. 1 Mower.

Wood Frame. Cast Steel Finger bar. Driving Wheel 32 inches. Cuts 4 ft. 6 inches. Stroke of knife and width of sections, 3 inches.

No. 2 Reaper and Mower Combined—Hand Rake.

Wood Frame. Cast Steel Finger bar. Driving Wheels 29 inches in diameter. Cuts 4 ft. 6 inches in Reaping or Mowing. Same Finger bar used for both. Knives for Mowing and Reaping.

No. 2 Reaper and Mower Combined—Self Rake.

Same as above with Self Rake attachment substituted for Hand Rake attachment.

No. 1 Reaper and Mower Combined—Hand Rake.

Wood Frame. Cast Steel Finger bar. Driving Wheels 32 inches. Overhung Reel cuts 4 ft. 6 inches in Mowing and 5 ft. 6 inches in Reaping. Knives for Mowing and sickle for Reaping.

No. 1 Reaper and Mower Combined—Self Rake.

Same as above Self Raker instead of Hand Raker.

No. 1 Single Reaper—Self Rake.

Wood Frame. Wheels 32 inches. Cuts 5 ft. 6 inches in Reaping.—This machine cannot be changed into a Mower.

TERMS : One-third cash on delivery of machine. Balance in two equal payments due October first and January first, following sale, bearing ten per cent. interest.

Pitts Thresher and Separator,
 Dodge's Self-Raking Reaper,
 Dodge's Hand-Raking Reaper,
 Dodge's Mower,
 Janesville Broad-Cast Seeder,
 Buckeye Sulky Horse Rake,
 Keystone " " "
 Tiffin Revolving " " "
 Steel Plows, Cast Plows,
 A. P. Dickey's Fanning Mill,

Hyde & Wright's Sing. Horse Hoe,
 " " Double "
 Single and Double Shovel Plows,
 Cultivators, Diamond Tooth,
 " Remington "
 Hughes & Rawling's Corn Planter,
 Little Giant Corn Planter,
 Thermometer Churns, 5 sizes,
 Horse Hay Forks,
 Clover Hullers, Etc., Etc.,

L. J. BUSH & CO.,

Manufacturers' Agents,

AND DEALERS IN

Agricultural Machinery,

136 West Water Street,

MILWAUKEE, - - WISCONSIN.

Excelsior Cider Mill,
 Hutchinson's "
 Corn Shellers for Mills,
 " Wooden—Wrought Shaft,
 Burrall's Corn Shellers,
 Feed Mills,
 Self-Sharpening Hay and Straw
 Cutters,
 Cumming's Improved Hay and
 Straw Cutters,

Grant Lever Cutters,
 Lawn Mowers, (Hill's Patent)
 Field Rollers, Garden Rollers,
 Harrows and Drags,
 Wood Sawing Machines,
 Hop Stoves and Presses,
 Garden Seed Drills,
 Jordan R. R. Wheelbarrows,
 Wight's Pendulum Spinners,
 Road Scrapers, Etc., Etc.

HARPOON Horse Hay Fork,

Manufactured for

L. J. BUSH & CO., MILWAUKEE, WIS.

General Agents for the Northwest.

THE MOST LABORIOUS WORK OF HAYING AND HARVESTING MADE THE EASIEST AND LIGHTEST WORK ABOUT THE FARM! Farmers, how does that sound to you? It hardly seems possible, and yet we have thousands of testimonials from the most practical farmers throughout the United States to that effect. There are but few neighborhoods in the United States but you will find some parties to testify to the utility of the HARPOON HORSE PITCHFORK, and in some localities as many as one hundred and fifty have been sold in a township the past season, and we have yet to find a man who would dispense with its use for one hundred dollars, after learning its utility, and many would not for five hundred. It is certainly one of the most paying Agricultural Implements, for the amount of money invested, before the public. There have been more of these Forks sold the past season than have been sold of all others put together, or any horse power Agricultural Implement before the public in one year. Over twenty thousand Forks are now in use, and we have yet to find a farmer that does not think it the best paying implement he ever used on the farm. It certainly does the hardest work, and a boy can work it. It is not only a saving of time and labor, but it saves hay. Frequently in catching weather it will save its cost in a day, and always in a week in hired help. It will pitch more hay in a day than six men, and it does not cost as much to board it at the present prices, say nothing of the wages for help, and besides, in haying and harvest, it is almost impossible to get help.

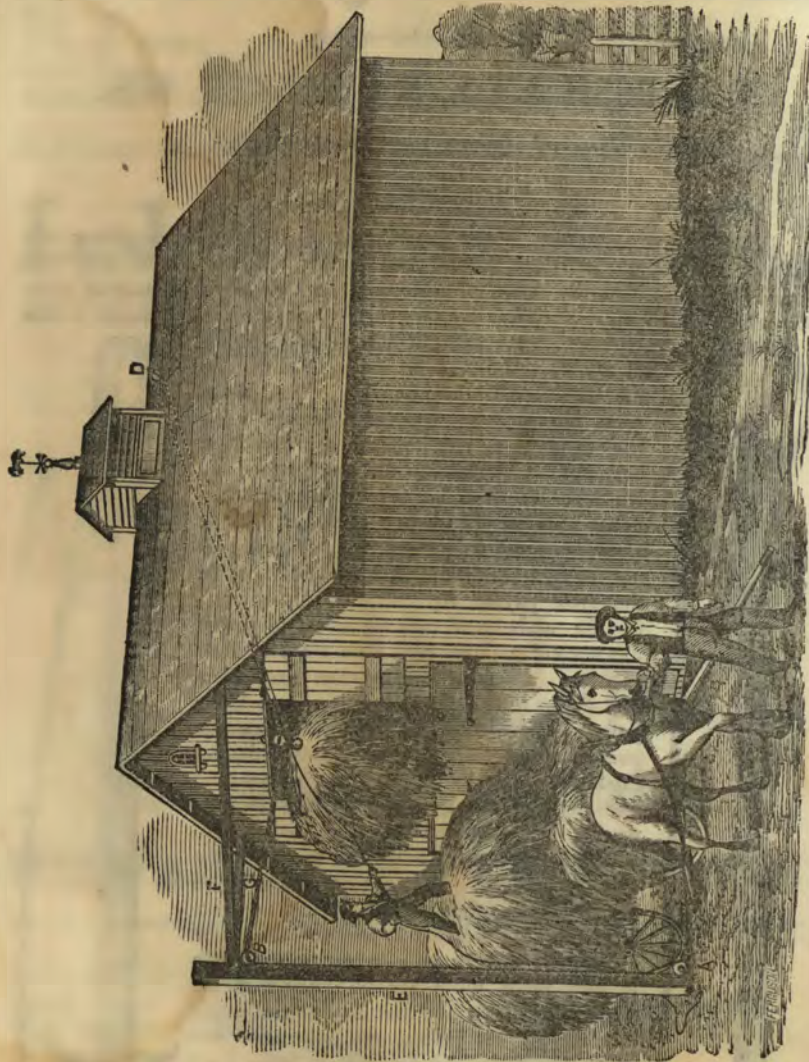
CAUTION.—The original patents on Harpoon Horse Hay Forks, covering a penetrating shaft, provided with a barb or barbs (to hold the hay) in combination with a discharging device, being vested in the undersigned, he hereby gives notice to all parties, to beware of infringing or infringements thereon, either in manufacture, sale or use.

LUMAN ROGERS, Pittsburg, Pa.



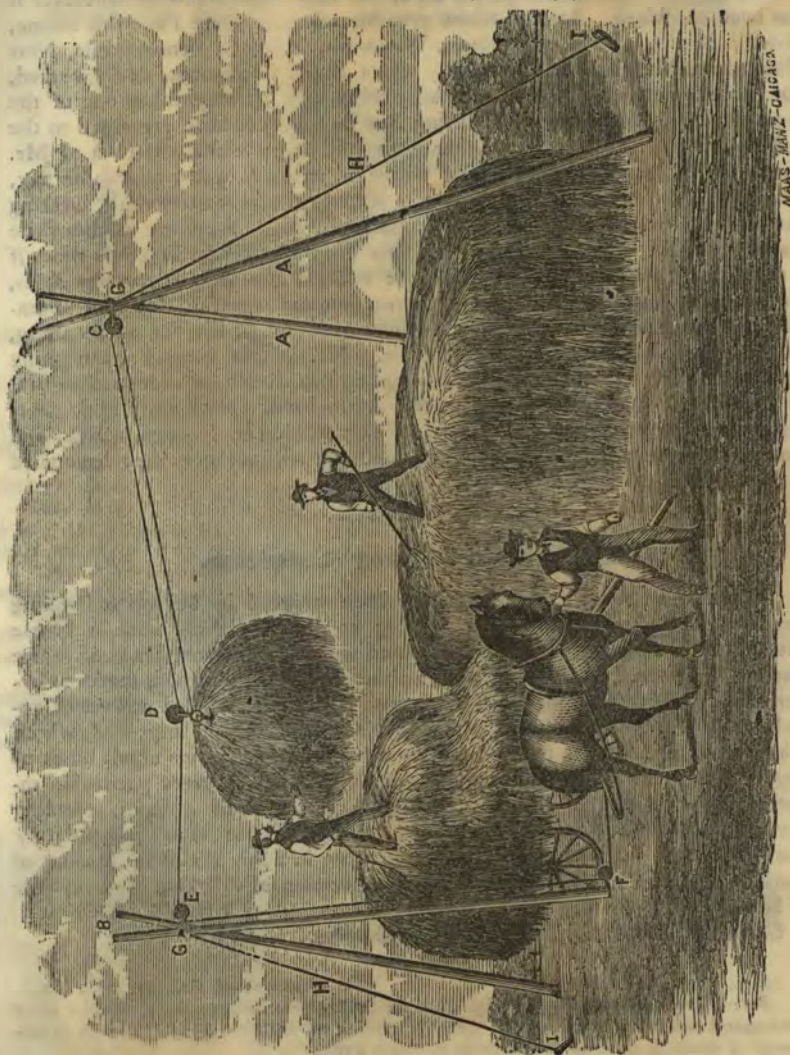
Best Fork in the World.

The methods illustrated in the following cuts, for unloading hay into barns, or upon stacks, is especially recommended for its convenience and practicability. And although embracing a principle or arrangement and operation of pulleys probably more than a century old, and used by some farmers



since the early introduction of Horse Hay Forks, in unloading hay, it is yet new to many. The adoption of this method enables one to convey the material to be unloaded in any direction and distance desired, and with the "Harpoon" Fork, can be deposited at any moment, and at any intermediate point desired, between the wagon and extreme end of barn, shed or long stack, and consequently requires but little, and in some cases not any labor, to mow away.

Any farmer having 20 loads of hay and loose grain to unload—and has a neighbor who is familiar with the Harpoon Fork, we would advise him to ask his neighbor this question, to-wit: Does the Harpoon Fork give satisfaction? We are willing he should govern himself by the reply.



We have thousands of testimonials who speak of it in the highest terms and say—"It exceeds our utmost expectations—it is convenient to handle—the best yet invented—can be worked by a boy—will pitch hay, straw, manure and loose grain, better, easier and quicker than any other horse fork—that it will save a farmer its cost in a week, and in rainy or catching weather, in a single day." This fork far excels all others in stacking, building ricks, working in side windows, over and under purlin beams, or nearly any place where a hand fork can be used; and all we ask is a trial to convince the most skeptical that it is the *best, cheapest, strongest and most durable* Fork before the public.

The Harpoon Hay Fork.

This new implement, to which the premium was awarded at the State Fair as the Best Implement of the kind, has had singular success wherever it has been exhibited. It has taken premiums at nine State Fairs this season, to-wit: Michigan, Indiana, Illinois, Wisconsin, Missouri, Pennsylvania, New Hampshire, Maryland and Virginia. As a single implement, easily worked, not liable to get out of order, and easily taken care of, we think it one of the most admirable contrivances for lifting hay that has yet been presented to the public. On the 18th of September we mentioned a trial at the barn of Mr. James Smith, near this city, during which it unloaded 2500 pounds of hay, and delivered it at the farther end of a large bay in three forks full, clearing the hay rack in just 2 minutes and 20 seconds, and we believe with a little training on the part of the men, that this Fork would beat Dexter's time, if "things were pushed," in fact it may be entitled the *King of the Hay Forks*, and comes as near perfection in its construction and work, as this kind of implement is susceptible of. It is manufactured by L. Rogers, of Pittsburg, and is being introduced by A. J. Nellis. Mr. Nellis is now establishing agencies for the sale of this Fork, and applications should be addressed to him at Pittsburg. We commend him to the Agricultural Community as presenting an implement that is well worthy of examination by farmers, a labor and time saving article, and one that they won't do without after they have tried it once.—*Western Rural*

To Whom it may Concern.

For the last seven (7) years, I have been engaged in buying and selling hay, and done nearly all of my unloading at the Hay Press with a Horse Pitch Fork, during which time I have used seven (7) different kinds of Horse Forks. The one I had adopted was a short handle sickle-tined, made to order, which proved superior to all others until last August, when I was called upon by Mr. A. J. Nellis who left for trial the Original Harpoon Improved, which I have used in unloading upwards of seven hundred (700) tons of all kinds of hay, (i. e., course, fine damp and dry,) which I find in every particular superior, to-wit: ease of handling, taking large or small forksful, cleaning the rack, not liable to catch in passing in or out of the mow, and the only one I have used that has not required repairing in doing the above amount of work. I regard it as near perfect as an implement of this kind is susceptible of being.

LEWIS SMITH.

Greenfield, Wayne Co., Mich., Dec. 11th 1869.

Northumberland, Pa., April 9, 1869.

SIR: I have used your *Harpoon Hay Fork* for the last two seasons; have unloaded about two hundred tons of hay each season. I find it superior to all other forks. It can't be surpassed. I would recommend to all farmers to give it a trial.

Yours,

A. E. KAPP.

President of Penn. State Agricultural Society, and President 1st Nat. Bank, Northumberland.

As farmers, we concede, we have been favored with valuable inventions of labor-saving implements for our purposes. But in Horse Hay Forks we have felt a deficiency until we saw the Rogers "Harpoon Hay Fork" introduced by A. J. Nellis. Having witnessed it in practical operation, we feel it supplies the deficiencies, and is in our opinion an invaluable implement, the merits of which must recommend itself to every practical farmer. We cheerfully commend the same to the farming public.

(Signed.)

M. ROLLINS,
SAMUEL P. DUNCKLEE,
F. R. FRENCH.

HYDE & WRIGHT'S PATENT Horse Hoe or Cultivator Plow.

Patented June 21st, 1853.



Extended June 20th, 1867.

The following are some of the advantages this Cultivator has over every other kind now in use:

1st. Lightness and durability—being made of the best quality of steel, highly polished, and the whole implement weighing from 50 to 60 lbs.

2d. Adaptation to more kinds of work than any other Cultivator known; being a perfect and thorough Cultivator, when used with all the teeth on, leaving the ground even and level, and working nearer the rows than any other Cultivator.

3d. By removing the small teeth, and attaching the wings to the shovel, it is the most perfect implement for hilling that can be found.

4th. It is the best implement for covering and digging potatoes ever invented. A man and horse can cover potatoes as fast as the horse can walk, and a man and team can dig from 300 to 500 bushels of potatoes in a day, when the crop is fair.

5th. It works equally well in corn, cotton or any kind of crop requiring cultivating, and in most cases hoeing can be dispensed with.

6th. Its cheapness, considering the many kinds of work to which it can be applied; the farmer having in this implement all that is necessary for cultivating and hilling any kind of crop, or covering and digging potatoes.

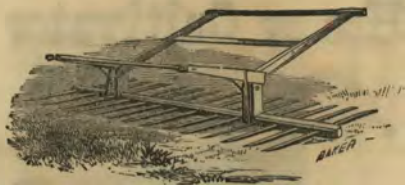
Numberless certificates from the most influential farmers in the United States might be given of the superiority of the above implements over all others designed for like purpose; but as the Horse Hoe is so well known, we consider it unnecessary.

HUGHES & RAWLING'S HAND CORN PLANTER



DEAR SIR:—This being the thirteenth year of the manufacture and introduction of this Planter, together with the fact that there are more of them made and sold in the United States than all other Planters put together, are sufficient guarantees of their great superiority over all others; therefore we wish to call your special attention to them as an article of merchandise. They are one of the Agricultural Implements that have no competitor, being cheap, durable and efficient in every respect. The price places them within the reach of every farmer. And you are hereby authorized by us to warrant them to your customers in the strongest terms, and all that are returned to you after a trial, to hold them subject to our order.

THE TEEFIN



REVOLVING HORSE RAKES,

Manufactured in Ohio.

The above cut represents a Rake that is now being used more extensively than any Rake in this market. It is only three years since they were shown to the public, and so great has been the favor with which they have been received by the farmers, that even in this short time they are looked upon as the best Rake offered. The advantages of the Revolving Rake over the Steel Tooth or Sulky Rake need not be enumerated here, as it is well understood where Rakes are used. We claim that the adjustability of this Rake is of such advantage that it saves at least one-third of the labor needed to do a good day's work, and much more can be accomplished in a given time with it than with any Rake offered to the farmer. It has

16 Square Hickory Teeth,

Nine Foot Heads, Ash or Oak,

Ash and Oak Frame,

Iron-Braced Knees,

Varnished Frames,

Teeth Oiled.

The Improved Tripping Arrangement has no equal. It is simple and effectual, easily operated, and will not break or get out of order.

Farmers throughout the country will find it to their advantage to examine this Rake before purchasing elsewhere.

For Sale by L. J. BUSH & CO.,

Agents for the North West.

HAND CORN SHELLER!

**BURRALL'S PATENT
IRON CORN SHELLER.**



BURRALL'S CORN SHELLER Is made entirely of Iron.
BURRALL'S CORN SHELLER Is the most durable machine made.
BURRALL'S CORN SHELLER Runs very lightly.
BURRALL'S CORN SHELLER Shells perfectly clean.
BURRALL'S CORN SHELLER Shells all kinds of corn.
BURRALL'S CORN SHELLER Separates the corn from the cob.
BURRALL'S CORN SHELLER Does not crack the corn.
BURRALL'S CORN SHELLER Does not break the cob.
BURRALL'S CORN SHELLER Leaves the corn clean for market.
BURRALL'S CORN SHELLER Has taken more 1st Premiums than all others.
BURRALL'S CORN SHELLER Is acknowledged by all who have used it, to be the **best hand Corn Sheller made.**
 These facts are attested by over 20,000 Farmers who have bought and used them.

This Sheller is made ENTIRELY of IRON, and has a capacity of

One Hundred Bushels per Day.

IT IS CHEAP and exceedingly Simple and Durable.

**IT SHELLS VERY CLEAN, and SEPARATES THE
SHELLED CORN FROM THE COB.**

For Sale by L. J. BUSH & CO.,

General Agents for the Northwest.

THE CUMINGS IMPROVED FEED CUTTER.

MANUFACTURED BY

The Fulton Manufacturing Company.

We would call attention to the following, as the principal of many important features wherein our Improved Machines excel all others :

They have PATENT UPWARD CYLINDRICAL CUT, and the power, whether it be turned by hand or otherwise, is applied directly to the cutting apparatus and is effected in the form most convenient in practice. When operated by hand they are turned naturally by the right hand, a handle being attached to the balance wheel, giving the operator complete control over the Machine. On the Power Cutters the pulleys are fastened directly to the main shaft, thus doing away with a counter-shaft, avoiding unnecessary friction and consequent loss of power.

All hay and straw, especially if cut with a Mowing Machine, and raked with a Horse Rake, has more or less gravel and dirt amongst it; and when the cut is downward, as with other machines, the Knives are continually cutting down into the dirt, very soon dulling and often breaking them. This necessitates their being taken off and ground very often,

and the Mouth-piece being completely out of sight, it is impossible to set them true. With the Upward Cut, the Mouth Piece or Cutting Bar being near the top of the Cutter, all foreign substances pass beneath it and the knives cut up against the clean straw, and are kept sharp and in good order for work a long time : and when it is necessary to grind the Knives they can be reset without trouble, as the Mouth Piece is in full view, and in the most convenient place for the purpose. With the Upward Cut the feed is thrown completely over the cylinder, which has a tendency to separate it from the dirt. A space is left just forward of the Feed Rollers, and is so arranged that if any piece of iron or stone should get in the Feed, it will drop through before coming in contact with the Feed Rollers, which often saves expensive breakage. The Mouth Piece is made of Chilled Iron for the small machines, and a hardened CAST STEEL PLATE is bolted to it on the large. The Knives are made of the very best imported cast steel, and tempered by a peculiar process that will warrant them to stand the most severe tests. The shafts are made of the best re-rolled Wrought Iron. The Boxes are Babbitted, and are made extra long. The Improved Cutter is SELF-FEEDING, and is so constructed that it WILL NEVER CLOG, no matter how fast it is fed. We repeat, it is utterly impossible to clog our Cutters. This tendency is overcome by our oblique, and the driving gears will be in gear at any and all points, thus relieving the Feed Motion from any unnatural wear or friction—which certainly does take place in all ordinary machines. The lower Feed Roller is adjustable, and is supported by long flexible springs and will yield enough to take in the large Western ears of Corn, cut them up fine, and then change its position and go through the same operation with a sheet of paper.

We ask a trial of these Cutters, feeling confident that they will do all we claim for them, and on account of their great durability and ease of working, warrant them in every respect superior to all others.

CAUTION.

As there are parties manufacturing an inferior machine in imitation of the CUMINGS IMPROVED FEED CUTTER, we would caution those wishing to procure them, to see that the name of the "Fulton Manufacturing Company" is on every one, they being the sole manufacturers. And they hereby warn all parties that they will prosecute those who violate their rights in the use, manufacture or sale of any Cutter infringing upon patents owned by them.

SIZES AND STYLES.

Size.	Weight.	Weight of Bal. Wheel.	Length of Knives.	Length of Different Cuts.	Amount cut Per Hour.
No. 1, 3 K'ves.	200 pounds.	45 pounds.	8 3-4 inches.	3-8, 5-8, 7-8 ins.	500 pounds.
No. 2, 4 " "	300 " "	75 " "	10 " "	3-8, 5-8, 7-8 " "	1000 " "
No. 3, 4 " "	530 " "	110 " "	12 " "	3-8, 5-8, 1 " "	2000 " "
No. 4, 4 " "	800 " "	150 " "	15 " "	1-8, 3-8, 5-8, 7-8, 1-4 " "	2000 " "
No. 6, 4 " "	1200 " "		18 " "	1-8, 3-8, 5-8, 7-8, 1-4 " "	5000 " "

L. J. BUSH & CO., Manufacturers' Agents,

136 WEST WATER STREET, MILWAUKEE.



The Genuine "DICKEY FAN,"

MANUFACTURED BY

ALBERT P. DICKEY,

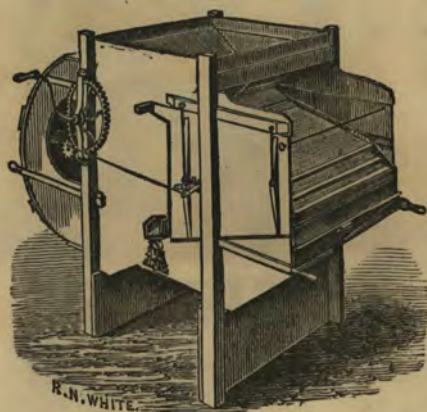
Proprietor Racine Agricultural Works,

RACINE,

WISCONSIN.

THESE MILLS

Are sold universally by Dealers at Wholesale and Retail.



MILWAUKEE, WISCONSIN.

L. J. BUSH & CO.,
General Agents,

The GRADING and CLEANING features of this Mill make it superior to all others. Dealers will please note that this Mill can be *Shipped at half the cost* of any other Mill, as it can be taken apart and forwarded knock-down, setting up again requiring but fifteen to twenty minutes.

Great Improvements are being made for Season of 1870.

FIRST PREMIUMS were awarded at all the STATE FAIRS of Iowa, Minnesota, Wisconsin, Illinois, Nebraska, Kansas and Missouri, and wherever exhibited during the past two years.

Attention of Elevator Proprietors and Millers is called to the *Warehouse Sizes*. All of these are built to run by power, if desired, having Tight and Loose Pulleys and Iron Shafts running in Babbit Boxes. They are also made very strong and with reference to durability and service.

ROAD SCRAPERS of their several sizes and styles, of Cast and Wrought Iron and STEEL bottoms, at prices varying from \$6 to \$15, each.

BOB SLEIGHS of new and serviceable styles, made *specially for wholesale trade*.

SPECIAL rates to the trade given of all the foregoing on application, and all orders filled promptly on receipt of same.



BUCKEYE HORSE HAY & GRAIN RAKE,

With Improved Lock Lever.

J. B. WILSON, Manufacturer, Canton, Ohio.

This Rake is simple in its construction, well and neatly made; light, strong, durable, and not liable to get out of order. The whole Rake weighs only about two hundred pounds, and is easily managed by any one capable of driving a horse. A boy, 10 years of age, can glean from twenty to twenty-five acres per day, saving one and a half to two bushels of wheat per acre; in this making a clean gain to the farmer, which will pay for the Rake the first season. The teeth used are made from cast-steel, oil-tempered, acknowledged to be the best teeth made, and are **WARRANTED** equal to any in the market.

We would call especial attention to the Wrought Iron Lock Lever. It is easily worked. When the Lever is thrown back, it is perfectly secure, and when the Lever is thrown forward, the weight of the driver will keep the teeth raised.

Please give the Rake a thorough examination, as we are satisfied it will please you. We are making additional improvements on the Rake for the Harvest of 1870.

L. J. BUSH & CO.,

General Agents for the States of Wisconsin, Minnesota and Northern Iowa.



DIRECTIONS.

TO PUT SHAFTS ON THE AXLE.—Take off one shaft-hinge under the end of the shaft; hook them to the axle and replace hinge; draw all bolts tight.

TO PUT IN THE TEETH.—Drive all the teeth into the axle, then pass the wooden strip through the coils, and fasten the strip to the axle with screws.

TO RAISE THE TEETH HIGHER FROM THE GROUND.—Put the bolt in the second or third hole, as may be desired; bolt the short lever to the axle; oil the shaft hinges, lever, joints and wheels well before using, and if the teeth work too tight in the coil, oil them also.

Davenport, Iowa, Aug. 13, 1869.

MESSRS. J. B. WILSON & Co.—Gents: Yours of the 11th is received, and in reply we would say that your rake has given universal satisfaction to our customers; both dealers and farmers, and we unhesitatingly say that there is *no better rake made*. It will do anything that any of the \$50 and \$55 rakes will do, and do just as much of it, in a given time, with much less labor to the operator.

The Lock Lever is just what is wanted to make any rake a success; and yours is perfect so far as we are capable of judging, after an experience of fourteen years with Sulky Rakes.

Respectfully,

RAFF, COCK & CO.

Chicago, July 17, 1869.

MESSRS. J. B. WILSON & Co.—Gents: We do not think that we shall have any left over, and had the season proved favorable we should have sold considerable more, as the rake is universally liked, and will readily sell in competition with other and better rakes. But another year they must prove a success, and large quantities sold wherever introduced. We have every confidence in them ourselves, as have also our agents.

Yours, &c.,

TILTON, LIBBY & HITCHCOCK.

Chicago, July 27, 1869.

MESSRS. J. B. WILSON & Co.—Gents: They have given good satisfaction, in fact, better than we had expected, and no doubt will have a large trade in them next year.

Yours, &c.,

TILTON, LIBBY & HITCHCOCK.

Loyal Oak, Sum't Co., O., Sept. 2, 1869.

MESSRS. J. B. WILSON & Co.—Gents: The Rakes that I have sold for you this season have given good satisfaction. I have been selling an Independent Tooth Rake, but I can sell five of your Lock-Lever Rakes to one of the others.

Respectfully yours,

D. C. WEAVER.

Louisville, Stark Co., O., Sept. 7, 1869.

MESSRS. J. B. WILSON & Co.—Gents: Yours received, and in reply will say, I am very well pleased with it, in fact, it could give no better satisfaction. My little girl, 15 years of age, done all my raking, some 47 acres, she is highly pleased with it; she worked it with perfect ease, in the heaviest grass. I think you must have a perfect Rake, as it is well liked by all in my neighborhood, who have used it, of which there are a great many.

Yours respectfully,

CHARLES BONNOT.

JOHN ESCH & BRO.,
MANUFACTURERS OF
FARM WAGONS

OF EVERY DESCRIPTION,
58 & 60 SECOND STREET,
MILWAUKEE.



Our Farm Wagon is universally admitted to be superior to most others. The timber is selected with great care and THOROUGHLY seasoned. The Iron Work is under the direct supervision of one of the proprietors, and is thoroughly done, and lastly, but by no means the least, in importance, is

The Excellent quality of the PAINT

used by us. It being far more durable than the quality used on Farm Wagons generally.

 **ALL WORK WARRANTED.** 

We are also Agents for Charles S. Martin's

PATENT RUBBER SPRINGS.

Liberal inducements to purchasers for Cash, by the Car Load, or single Wagon.

SEND FOR PRICES.

FIRE AND INLAND.

Northwestern National Ins. Company OF MILWAUKEE, WIS.

Subscribed Capital, over \$700,000.

Officers.

Alexander Mitchell, *President.*

P. D. Armour, *Vice President.*

J. B. Kellogg, *Secretary.*

D. Ferguson, *Treasurer.*

H. L. Palmer, *Counselor.*

Directors.

Alexander Mitchell,

Geo. W. Allen,

E. H. Broadhead,

P. D. Armour,

Wm. Young,

G. Pfister,

Angus Smith,

John Dahlman,

Sam'l Marshall,

G. D. Norris,

H. H. Button,

W. G. Fitch,

L. H. Kellogg,

M. B. Medbery,

R. P. Ober.

J. A. CHAPMAN, General Agent.

THE VICTORY IS WON BY
"J. F. POOL'S FANNING MILL"
AND GRAIN SEPARATOR,

It beats the World. No difficulty now in separating one kind of Grain from another.

It will Separate Oats from Wheat.

Takes out Foul Seeds, and can make Wheat weigh more than any other Mill now made. Warranted to take out all Wild Oats from Wheat, in fact, to do better work than any other Mill in the world.

Will clean from 30 to 100 Bushels of Grain per hour.

WIDMANN, WANDSCHNEIDER & CO.,
Fort Atkinson, Wisconsin.

THE FT. ATKINSON WAGONS



Are now acknowledged to be the best Farm Wagons sold in the Northwest. They are without an equal in style and finish, and there is no Factory in the Union where greater care is given to the selection of the material used. A thorough system of inspection is adhered to, so that we are prepared to WARRANT EVERY PART TO BE PERFECT. If defective, it will be replaced without charge. A better quality of Iron is used in its manufacture and the timber is more thoroughly seasoned than that used by other manufacturers. They have frequently been run three or four years, and not a tire has been loosened. No experienced Wagon Dealer or Farmer will fail to observe the SUPERIOR QUALITY OF PAINT used upon them, which is far more durable than that used on other Farm Wagons. In short the whole character of the wagon is that of peculiar EXCELLENCE.



Our Stock of
**Carriages, Buggies,
And Light Wagons**

Is complete, and we assert, without fear of contradiction, that we can furnish the Dealers and Farmers of the West with a better article for less money, than can be

procured at the East. Please send for Prices.

Widmann, Wandschneider & Co., Ft. Atkinson, Wis.

MASSACHUSETTS MUTUAL LIFE **INSURANCE CO.,**

SPRINGFIELD, - - MASSACHUSETTS.

Hon. C. RICE, President.

ASSETS THREE MILLIONS.

PARTICULAR ATTENTION is called to the fact that all its policies are issued under the NONFORFEITURE LAW OF MASS., and are strictly non-forfeitable after any payment has been made thereon. This law is peculiar to Mass., and no other State offers the same security. Paid up Policies are granted *after one Annual Premium has been paid*, one year earlier than other Companies. ALL PROFITS are paid to the assured at the close of the first year, and annually thereafter, on the CONTRIBUTION PLAN, increasing every year, the policy eventually becoming a source of income. The law of Mass. especially provides that ALL PROFITS shall be paid to the assured.

By strict economy, careful selection of lives, and able investment of funds, the MASSACHUSETTS MUTUAL is enabled to pay as large, if not larger, Dividends than any other Company.

Wisconsin Agency, No. 17 Newhall House Block,
MILWAUKEE, WISCONSIN.

P. M. CHILDS, Gen. Agent.

A. FRISBIE & SON, General Agents for Chicago, Ill,
HENRY SABINE, General Agent, Northern Illinois, Rockford, Ill.
H. B. BEARD, General Agent, Minnesota, Minneapolis, Minn.

District, Local and Special Agents Wanted.

Established 1847.

FURNITURE!

A. D. SEAMAN & CO.

Nos. 115 to 133 Huron Street,

MILWAUKEE,

ARE THE

Largest and Oldest Manufacturers,

Have the Largest House,

Carry the Largest Stock,

And Sell the Best Goods,

IN THE WEST.

GOODS ALL CUSTOM-MADE

AND WARRANTED.

Try us. You will find our Goods as represented, and prices always at the bottom.

O. M. HOFFORD,

Manufacturer



and Dealer in

Genuine PEEKSKILL Plows,

Steel Plows, Plow Handles, Bob Runners,

CULTIVATORS, ROAD SCRAPERS, ETC.

Factory on Fowler Street, bet. Second and West Water,

Office and Salesrooms, 103 Wells St., opp. 4th Ward Market.

Milwaukee, Wis.

ELIAS HOWE, Jr.

RECEIVED THE ONLY GOLD MEDAL

Awarded on Sewing Machines at the Paris Exposition.



1867.



CROSS OF THE
LEGION OF HONOR
1867.



1867.

The Howe Sewing Machines give better satisfaction than any Machine extant.

The Howe Sewing Machine is adapted equally to heavy and light sewing.

Elias Howe Sewing Machines, the best Family Machine in the world.

Elias Howe Sewing Machines, the best for Heavy or Light Tailoring in the world.

Elias Howe Sewing Machine, the best Leather Machine in the world.

Elias Howe Sewing Machine, the best Machine in use for making Buckskin Mitts and Gloves.

Elias Howe Machine uses a Straight Needle, always reliable if well handled.

Elias Howe has received **\$1,000,000** Royalty from all other manufacturers.

The demand for the Howe Machine is increasing faster than any other.

The Howe Company are making 200 Machines per day, and cannot fill their orders.

The Howe Company will make 300 Machines per day by the first of January, 1870.

The Howe Machine is the Oldest Sewing Machine known in the world.

The Howe Machine is the Most Highly Improved Sewing Machine in the World.

No Sewing Machines has as good **Tensions** as the Howe, It makes the best stitch.

Don't fail to Examine the World-Celebrated Howe Machines before purchasing any other.

G. T. BRYANT, Gen'l Agent,

Opposite the Post Office.

111 Wisconsin St., Milwaukee, Wis.

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 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 top of the Drag Bar Stand, the small bolts that fasten the Frame to the Drag Bar 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 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.



140 Fulton St
New York

MANUFACTURED BY
DODGE & STEVENSON MANUFACTURING CO.
AUBURN, N.Y.

Drawn & Engr'd
by W. Burroughs