

1863.

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THE OHIO
MOWER AND REAPER.



MOWER FOLDED FOR TRANSPORTATION.

BRP

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

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THE OHIO



J. W. Orr - N.Y.

OHIO MOWER AT WORK.

945M

HARVEST OF 1863.

BALL'S OHIO

MOWER AND REAPER, IMPROVED.

SECURED BY SIXTEEN SEPARATE PATENTS,

AND

PROTECTED BY FIFTY-THREE PATENT CLAIMS.

MANUFACTURED BY

DODGE, STEVENSON & CO.,

(SUCCESSORS TO ROSS, DODGE & POMROY.)

AUBURN, N. Y.

AUBURN, N. Y.:

WM. J. MOSES' STEAM BOOK AND JOB PRINTING OFFICE,

1862.

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FIRST PREMIUM,
AT
THE GREAT REAPER TRIAL,
AT DIXON, ILLINOIS,
On the 22d and 23d of July, 1862.

"The farming community have long been anxious for a thorough and impartial trial of the merits of Mowers and Reapers. So many excellent ones are now before the public, and their respective claims are, in many respects, so difficult to be determined, and their comparative merits are being so much changed by improved machines, some which were formerly esteemed first class no longer being entitled to that position, that a fair testing of them on which reliance can be placed, is of the highest value to every one proposing to purchase; and in these days of scarcity of labor, the number of purchasers must be greatly increased.

"The great trial of Reapers and Mowers which recently took place at Dixon, in Illinois, is probably the most thorough that has ever occurred on this side of the Atlantic. It was conducted under the auspices of the Illinois State Agricultural Society, who controlled it throughout in every particular. The committee appointed by the Society were chiefly practical farmers, and the general feeling among exhibitors was that they conducted the whole thing in a perfectly fair and impartial manner.

"The trial was on a grand scale, and continued through five days, each machine having sufficient ground assigned it to afford a fair test of its actual operation in practical work.

"The Mowing was done on the beautiful and highly cultivated farm of Col. Charles Dement near Dixon, in a field of more than 160 acres of timothy grass, and occupied two days, the 22d and 23d of July.

"The following is a list of the machines entered in competition for the premiums offered for the **best Mower**, and tested as Mowers in competition for the premiums offered for the **best Combined Reaper and Mower**:—1. Wood's Two-wheel Mower. 2. Wood's Jointed-bar Mower. 3. The Ohio Mower. 4. The 'Excelsior.' 5. Kirby's Mower. 6. Curtis' Cam Mower. 7. 'Cayuga Chief, Sen.' 8. 'Cayuga Chief, Jr.' 9. John P. Manny's Senior Mower. 10. J. P. Manny's Junior Mower. 11. 'Buckeye, Sen.' 12. 'Buckeye, Jr.' 13. Rugg's Mower. 14. Esterly's Mower. 15. Coggs-well's Patent. 16. Seymour, Morgan & Allen's. 17. McCormick's.

"A great deal of good work was done, about forty entries of machines having been made, which came upon the ground and displayed their qualities with very good success. There has rarely, if ever, been a trial when all the exhibitors felt better satisfied with the treatment they experienced, and the opportunities they enjoyed for showing the capabilities of their machines."

 The following award was made:—

For the **Best Two-Horse Mower**, to "**BALL'S OHIO MOWER**,"
Manufactured by DODGE, STEVENSON & Co., Auburn, N. Y., Diploma
and Fifty Dollars.

E. BALL'S OHIO MOWER AND REAPER.

(PROTECTED BY FIFTY-THREE PATENT CLAIMS.)

In the present age of the world, when men of the most profound genius and inventive talent, are laboring to produce the best means of mowing our grass, and reaping our grain; when capital is employed, amounting to millions of dollars in the aggregate, in the manufacture of the various Mowing and Reaping Machines in the country, the man must possess rare hardihood that will *say* (whatever he may think) that he has the very best machine in existence. It is not the design, therefore, of the manufacturers of the Ohio Mower and Reaper, to disparage any other machine, nor do they deem this expedient or necessary; for any success, achieved by such a course, is short-lived. Time will certainly place, and oblige every machine to stand or fall *on its own merits*. To this test the Ohio Machine is submitted, and the manufacturers of it only ask to specify some of the peculiarities, and, as they claim, *excellencies* of their Machine, and then to append what, to them, is the best recommendation, viz: testimonials from persons who have used it.

Its Peculiarities as a Mower.

DESCRIPTION OF THE OHIO MOWER.

To describe a man, you speak of those features by which he is distinguished from other men ; so we shall attempt to describe our MOWER AND REAPER.

ITS WHEELS.

The OHIO MOWER has *two driving wheels*, thirty-six inches high, side by side like a cart, which bear *all the weight* of the Machine. They communicate motion to the gearing by cogs, on a concave surface, matching into ratcheted pinions on each end of a horizontal shaft. These points distinguish this from all other Machines.

These wheels act independently of each other or in conjunction, according to direction, whether on a curve or in a strait line—each being competent to drive the cutter alone. They each have five inches tread, giving in all ten inches of bearing surface on the ground, for friction or adhesion, and to prevent sinking in soft ground. Their very large circumference makes them run lighter and steadier on uneven ground, than smaller ones do. As weight on the driving wheel is the source of its power, it is manifest that the more weight, the more power upon the gearing. But it is still a law of nature that a great weight requires a great power to move it horizontally, or up an inclined plane,—hence the lighter your Machine, the easier you move it, but you must have it strong enough, and that requires weight, and you must have a rapid and powerful motion of the gearing, and *that* requires weight ; therefore it becomes important to economise for *gearing power*, all the weight you are obliged to carry in order to obtain *strength*. This object is *completely* gained in this machine, and in *no other*. A machine with only one drive wheel is very far from it. Any weight resting upon the tongue or

any other part than the driver, is a loss of so much power, and must be carried along.

THE CUTTER-BAR AND ITS CONNECTIONS.

The Cutter-Bar, or (Finger-Bar,) is made of Cast Steel, four feet and six inches long, and strong enough for any ordinary work.

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Folded for Transportation.

Mower in Working Order.

6th. It is the only position to make a good Reaper.
The complete adaptability of this Cutter-Bar to any and every variation of surface, by its perpendicular motion at each end, as well as by its rolling or wabbling motion

any other part than the driver, is a loss of so much power and yet must be carried along.

THE CUTTER-BAR AND ITS CONNECTIONS.

The Cutter-Bar, or (Finger-Bar,) is made of Cast Steel, is four feet and six inches long, and strong enough for any ordinary use or accidents. It is so attached to the frame of the machine, by hinge joints, that it is perfectly controlled by a lever in the hand of the Driver, when in his seat, to raise it over stones, stumps, sticks, cut grass or other obstructions, while in motion. He can also set it by a screw to cut high or low, and can easily fold it up to pass through narrow gates or to travel upon the road. Our plan of doing this thing we consider much better, easier and much safer, than any other yet known. The bar is hung at the hind end of the frame, back of the centre of the drive wheels about twenty-two inches. This position gives it many advantages over any other position, some of which we will briefly state :

1st. It gives the Driver the fullest opportunity to see obstructions before the Guards or Knives strike them.

2d. It avoids the danger of a fractious or frightened horse backing his heels against the Guards or Knives.

3d. By reason of the lifting direction of the draft and the sled shaped bottom of the drag bar, it rises better out of dead furrows, ditches, and over ant hills and bogs.

4th. It avoids the necessity of a little truck wheel to carry it, which does not run so steady, nor get over the cut grass so well as a slide, nor turn a short corner so well.

5th. It does not draw down upon the horses' necks at all, but it is carried by the drive wheels when its weight is used for power.

6th. It is the *only position* to make a good Reaper.

The complete adaptability of this Cutter-Bar to any and every variation of surface, by its perpendicular motion at each end, as well as by its rolling or wabbling motion re-

ders its performance not only perfect in quality, but easy and agreeable both to a team and gearing.

We must not pass this point, without saying a few words about our Guards. They are made of the best *Wrought Iron*, and at the place where the Knives pass them, they are laid with Cast Steel, brought up to an acute angle and highly tempered. No better guards have ever been made, nor do we believe as good ones have been or can be made, without our Machine to make them with.

THE TONGUE, SIDE-DRAFT AND BALANCE.

The tongue is so attached to the frame, by a sliding bolt, as to give the Operator entire control over that annoyance, so much complained of in other machines, called "Side-Draft," one pound of which is worse than twenty pounds of direct draft. There is positively no unavoidable side draft either in Mowing or Reaping with this Machine. The weight of the tongue is so exactly balanced by the weight of the Driver, gearing and position of the Cutter-Bar, that there is no more weight on the horses' necks than a common tongue gives.

THROWING OUT OF GEAR AND BACKING.

The motion of the first Shaft is communicated to the Crank Shaft by a bevel pinion and wheel, but this bevel pinion is under the control of a *Clutch*, which is attached to a lever at the feet of the Driver, who can instantly connect or disconnect the gearing, and when the Cutter-Bar is folded up, he can effectually block both the main wheels and bring his team to a sudden halt.

The first pinions in mesh with the Drive Wheels, have only a ratcheted connection with the gearing, i. e., connection in one direction, or when the machine moves *forward*—therefore when the machine moves backward, it is *naturally* out of gear, and runs backward as easily as a Cart.

The Reaping Apparatus, its Qualities.

This consists of a Cutter-Bar, Guards, Knives, or Blades, Platform, Grain Wagon and Reaper.

The Cutter-Bar is made of iron, and is thick, eight inches, and weighs about the balance of the machine.

fore the machine is made of iron, and is pivoted to the frame of the machine.

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To the Reaper, the position of the Platform, being at the rear of the machine, enables the operator to carry the grain in an easy and entire *Side Delivery*, while we carry the grain



Reaper in Working Order.

The Reaping Apparatus, its Qualities.

This consists of a Cutter-Bar, Guards, Knives, or Sickles, Platform, Grain Wheel and Reel.

The Cutter-Bar is of good White Ash Wood, two inches thick, eight inches wide and six feet long. Having no weight upon the Platform, except the weight of the grain, the bar is not required to endure labor or strain, and therefore is not liable to twist or warp out of line, which would much impede the action of the Sickle. The Guards are made of Wrought Iron, and are neat and light. The Knives are Sickle Edged, and the very best that can be procured.

The Grain Wheel is a Castor Wheel,—i. e., hung on a pivot so as to run in any direction. This overcomes the difficulty of turning, which has so much interfered with the comfort of working a Reaping Machine. The Reel is operated by a chain and iron shieves, and receives motion directly from the end of the axle of the driving wheel through a universal joint, which allows the Reel to preserve its fixed relation to the Platform, through all the variations of the surface ground. The inner Reel Post is of Iron, and so constructed with a long screw that the Operator can tighten or loosen the Reel Chain, while the machine is in motion.

The REAPER has all the facilities for adaptation to uneven surfaces that the MOWER has, and all the power to produce motion.

POSITION OF THE PLATFORM.

To the Reaper, the position of the Platform, if not everything, is at least, very important.

Ours being at the rear of the machine, enables us to get an easy and entire *Side Delivery*, while we carry the Raker

upon the Carriage, where his weight increases the power and avoids the "Side Draft" and strain produced by carrying him upon the Platform. His Rake, (nearly as light as a Hay Rake,) is extended straight out, and with one pull he lays the gavel at his feet, clean and snug, quite out of the path of the machine on the next round, with the *butts towards the standing Grain*, which is the best position for the Binder.

We say then, that our REAPER is not excelled by any other REAPER, and in many points we think it *Superior to any other*.

The POWER is complete,—the REAPER is easily and quickly attached and detached,—it retains the flexibility of the MOWER,—runs quite as lightly,—gives a *Side Delivery*,—carries the Raker on the Power, and is, in fact, just as good a REAPER as we could make, if it (like many other Reapers,) could not mow at all.

WARRANTY.

THE OHIO MOWER & REAPER IS WARRANTED to be capable of cutting on land free from obstructions, at the rate of ONE ACRE PER HOUR OF EITHER GRAIN OR GRASS, with *One Span of Horses*, and when properly managed, to do as good work as can be done with the Cradle or Scythe. It is also warranted to be well made, of good material, and when properly used, not liable to get out of order.

Where the Machine is put in operation, and fails to perform as warranted, it will be the duty of the purchaser to notify us or our Agent immediately of that fact; and to allow sufficient time to send a man to put it in order. If it does not operate after this, it will be taken back, and the money or notes that may have been given therefor, will be refunded.

PRICES AND TERMS FOR EXTRAS.

Repairs for Mowers and Reapers.—Cash down, as follows:

Each Driving Wheel,.....	\$8 00	Chain Shieve,	50
“ “ “ box, ...	50	Ratchet Castings for lever,...	60
“ Bevel Wheel,	2 50	Lever socket,	50
“ “ Pinion,	1 00	Lever Shaft,	40
Bevel wheel shaft with wheel		Inside Box for lever shaft,...	25
and pinion complete,	8 00	Reaping Attachment complete	35 00
Rear Stirrup box, complete,..	3 00	Reaper Knife,.....	4 50
Front “ “ “ ..	2 00	Reaper Guards, (wrought iron)	15
Pitman complete,.....	2 50	Reaper Sections,.....	20
Pitman box,.....	1 00	Inside Reaper Shoe,.....	3 00
Cutter-Bar, with Guards,	12 00	Grain Wheel,	2 00
Set of Guards put on,.....	6 00	“ “ Gudgeon,	50
Inside Mower Shoe,.....	2 50	Reel complete,	5 00
Outside “ “	1 00	Reel pulleys, each,	50
Mower Knife complete,	4 50	Coupling on Drive Wheel,..	25
Mower Guards, each,	40	“ “ Reel post,.....	50
Knife-sections, for Mower, ...	20	Reel Chain,.....	1 00
Drag Bar complete,	5 00	Shipper fork complete,	75
“ “ Stand,.....	75	“ Guide,.....	25
“ “ Socket,.....	50	Rake for Reaper,	50
Crank Shaft complete,	4 00	Reel Screw with nut,	60
Swathing Stick sockets,	50	Spring keys for knife bar each	5
Grain Wheel arm,.....	1 00	Knife bar heels, welded on,..	1 00
Adjustable slide for same, ...	75	Tongue socket,.....	1 00
Stationary “ “ ...	1 00	“ Plate,	1 00
Reel arm support,	1 50	Castings under seat spring, ..	30
Dividing point on Platform, .	30	Covers for spur pinion,.....	25
Reel Post complete,.....	3 00	Raker's seat socket,	60
Balance Crank with wrist, ...	1 50	Cast Steel Cutter Bar, drilled,	6 00

The EXTRAS furnished with each MOWER, are DOUBLE-TREES, WHIFFLE-TREES, one COMPLETE KNIFE, two KNIFE SECTIONS, two GUARDS, two WRENCHES, OIL CAN, COMPOSITION BOX and some RIVETS.

The REAPER will not have an extra SICKLE, but two extra SICKLE SECTIONS, two REAPER GUARDS, some RIVETS and a RAKE. We furnish 3 Knives in all, 2 for mowing, and 1 Sickle Knife for reaping.

If you order machines or repairs, be particular to name

FIRST—Town, County and State in which you reside, your Post Office address. SECOND—To what Railroad Station, on what road and in which State they are to be shipped. THIRD—Whether by Freight or Express. FOURTH—If Repairs are ordered, be particular to describe them, and tell the number of your machine. All prominent Agents will have Repairs on hand.

PREMIUMS.

BALL'S OHIO REAPER AND MOWER, at the various Trials and Fairs, has taken an almost unprecedented number of *PREMIUMS*, among which are the following :

AT THE GREATEST PRACTICAL FIELD TRIAL OF REAPERS AND MOWERS ever held in the United States, at Syracuse, N. Y., July, 1857, this Machine received the greatest number of Credit Marks, entitling it to the Grand Gold Medal and Diploma ! offered by the United States' Agricultural Society, for THE BEST MOWING MACHINE!!

At *St. Louis*, September, 1860, the State Agricultural Society of Missouri, awarded their First Premium of a *GRAND SILVER MEDAL!* to the *Ohio Mower*, over numerous other machines.

At a Field Trial of Reapers and Mowers, held at Litchfield, Michigan, Mowing, June 9th, and Reaping, July 6th, 1860, pronounced to be "the most thorough ever held in the State;" in competition with "Manny's," "Reiley's, or the Badger State," "Kirby's," "Allen's," and two "Buckeye" Machines, one manufactured at Constantine, the other at Jackson, Mich., the *Ohio Machine* was victorious.

At Sturgis, Michigan, July 3d, 1860, a Field Trial was held on the Farm of J. Aiken, Esq., in competition with the "Ruckeye," manufactured at Constantine, and the "Reiley," and after a most thorough trial in Reaping, the *Ohio Reaper and Mower* was again victorious.

At the Warren Co., Ill., Agricultural Society, 1860, E. Ball's OHIO REAPER AND MOWER, received the *First Premium*, both as a Reaper and Mower, at a Trial of Machines, in competition with "McCormick's Improved," "Manny's Improved," and many others of the most celebrated Reapers and Mowers in the country.

At a Trial of Reapers and Mowers near Urbana, Ohio, June 19th, 1860, there were some twelve or fifteen machines on the ground. The Committee, in their report say, "Ball's machine did the best work as mower," and they gave it their preference as a Combined Machine.

At a Trial of Machines near Chillicothe, Ohio, June 18th, 1859, twenty-two entries were made, among which was the "Ohio Mower and

Reaper," "Iron Harvester," Miller and Aultman's "Buckeye," and "Buckeye State." *First Premium* awarded to the OHIO as a MOWER.

At a Field Trial of Machines near Akron, Ohio, July 9th, 1859, the "Ohio," "Kirby," "Parkhurst," "Buckeye," "Fisher," and others, ten in all, were entered. After a thorough trial, the committee unanimously gave the *First Premium as a Reaper*, to the OHIO REAPER AND MOWER.

At the Lawrenceburgh, Ia., Agricultural Society's Trial, 1860, the OHIO REAPER AND MOWER, received the *First Premium as a REAPER*, and the *First Premium as a Mower*.

From the Auburn Daily Advertiser.

GREAT TRIAL OF MOWERS ON A WAGER.—A great trial of mowers, for a wager, took place yesterday afternoon in the town of Mentz, about two miles north of Port Byron. The machines entered were the "Ohio," manufactured by Ross, Dodge & Pomroy, and the "Kirby," manufactured by D. M. Osborne & Co., both of this city. The bet was as follows: The Ohio machine bet the Kirby machine \$100 to \$25 that the Ohio would cut a swath that the Kirby could not follow, leaving room and a fair field. Ohio to choose the ground and the Kirby to do as good work.

The mowers were upon the ground at an early hour in the afternoon. A number of persons were present, including a large number of Farmers from the adjoining towns. Nearly 300 people in all, were gathered to witness the match.

The preliminaries having been settled, the machines proceeded to select judges. The Ohio chose Mr. Charles Hayden, and the Kirby chose Mr. A. K. King. These two gentlemen then chose a third judge, Mr. Harry Treat.

At 2 o'clock the mowers entered the field and contested with each other until nearly an acre of ground was mowed over, when the judges gave their decision as follows:

"On smooth ground no difference in stubble; but Kirby cut widest swath. On uneven ground Ohio cut smoothest swath. Both well done, but we give the wager to the Ohio."

A. K. KING,	} Committee.
CHAS. HAYDEN,	
HARRY TREAT,	

Accounts of numerous other instances in which the OHIO REAPER AND MOWER has taken *FIRST PREMIUMS*, are on hand, but for want of space we omit further notice.

The Ohio Mower, Junior.



There has been a great demand for small Machines, and many of our Agents have written us, urging us to build some "Junior," or small Mowers. The Ohio Combined Machine, and the large Mower, having given such universal satisfaction, as we think the testimonials will demonstrate, we have concluded to build a Junior Mower, essentially the same as the large machine, except in size. The wheels are twenty-eight inches high; it has sufficient power to go through the heaviest grass without the weight of a man upon it; it will cut a swath four feet and one inch wide; its draft, as tested with a Dynamometer, is about one hundred and fifty pounds.

This is a small, light, two horse Mower, yet if provided with shafts instead of a tongue, it can be operated with one horse.

The Junior is built upon the same principle of the large Machine, possessing all of its advantages of adaptation to uneven ground, facility of management, &c. The similarity between the Junior and the large Mower being so great, a minute description of it is here deemed unnecessary.—The object in its construction has been to supply a demand that exists in many places for a CHEAP, LIGHT, SINGLE Mower.

Mr. Ball, the patentee of the Ohio Machine, built the small Mower last season, and tested it thoroughly, and the result was so satisfactory to him, that we have felt justified in manufacturing them extensively this year.

The price will be ~~\$10~~ *\$10.50 = delivered*

Prices of Extras for Ohio Mower. Junior.

1. Drive Wheel, each,.....\$5 00	20. Lever Stand,..... 10
2. Rear Stirrup Box with cap, 1 50	21. Shipper Clutch,..... 25
3. Bevel Wheel, 1 25	22. Chain Pulley, 25
4. Inside Shoe, 1 50	23. Lever Locket,..... 35
5. Outside Shoe, 75	24. Right Hand Ratchet,... 30
6. Swathing Irons, each,... 20	25. Left " " ... 30
7. " " " ... 20	Right Hand Spur Pinion, 50
8. Balance Crank and twist, 1 25	Left " " " ... 50
9. Shoe Standard,..... 50	Bevel Pinion, 50
10. Tongue Iron, 1 25	Pitman—complete,..... 2 25
11. Geer Cap, 25	Pitman Box—Brass,... 1 00
12. Drive Wheel Box, each, 35	Wrought Iron Brace, from Stirrup Box to Shoe, 2 00
13. " " " " 35	Drag Bar—complete, .. 3 50
14. Tongue Locket, 25	Cast Steel Cutter Bar, complete with Guards, 12 00
15. Crank Shaft Box, and cap with Babbitt metal,... 50	One set of Guards, put on, 6 00
16. Bevel Wheel Box, and cap with Babbitt metal, 25	Mowing Knife,..... 5 00
17. Brace Locket,..... 30	Seat Springs, each,..... 1 00
18. Seat Bracket, 30	Knife Sections,..... 20
19. Shifter Iron, 35	Mowing Guards,..... 40

TESTIMONIALS.

From the great number of testimonials which have been sent us, we select the following, as an expression of the estimation in which our machine is held, in various sections of our own State, and also in adjoining States, where our license permits us to sell THE OHIO MOWER AND REAPER.

FRANKLIN, DEL. Co., N. Y., Feb. 5, 1862.

MESSRS. DODGE, STEVENSON & Co.:

I purchased of your agent for Delaware Co., one of your machines, and I would say, that I cut about forty acres of grass with it for myself and neighbors this season. I found it a very strong and durable machine, working to my entire satisfaction in all kinds and condition of the grass, whether wet or dry, without clogging, cutting just as well when the team walked slowly as when they went fast; also where my mowing was on so steep a side-hill, that I could not ride on the machine. The draft is easy, not exceeding the labor of drawing a common drag or harrow. The seat is the most easy and safe of any "Mower" I have seen; and the means for raising and lowering the points of the "guards" without raising the entire "cutter bar," is of greater value to the "machine" than any one (in my opinion) will anticipate before using, also the ease and facility for throwing it in and out of gear. I had been examining and noticing the working of various machines, the season previous to my purchase, and can without hesitation recommend your Mower as the best offered in this region. Having used mine through last haying, I do not consider it the worse for wear, but fully equal to its value at the time I bought it.

WARREN FOOT.

MONTENZUMA, Cayuga Co., N. Y., Feb. 4th, 1862.

MESSRS. D. S. & Co.:

I have one of your Ohio Mowers and Reapers, and am well satisfied with it; it comes up to the recommendation of your Agent, and I consider it one of the best machines in use.

J. FILKIN.

FOSTERVILLE, Cayuga Co., N. Y., Feb. 26th, 1862.

MESSRS. D. S. & Co.:

I purchased last season of your agent, Mr. James Stevenson, one of your Ohio Mowers and Reapers; I have used it for both purposes, and find it the most perfect machine now in use. I have tried it on very steep hills and it will not tip over, as reported by other machine agents, and it is very durable. I cut all my own grass and grain and some for my neighbors, and was at no expense except for oil. In reaping, it is very easy work for a man to take off the grain, and it can be laid straight and out of the way of the next round. The draft is very light, making it easy work for a small team to run it all day.

ELLIOTT F. TYLER.

MIL0, Feb. 26, 1862.

MESSRS. D. S. & Co.:

I own one of Kirby's Reapers and Mowers, and have used it about five years, and thought it a good machine. I have a rough piece of meadow on low ground, and mowed it several times, but not without some trouble, on account of the hummocks; but last year we had a heavy rain just before I cut it, and I could not use my machine on account of the softness of the bottom. I spoke to Mr. R. J. Gardner to cut it for me, and he did so without any trouble, using one of your Ohio Machines. It was very wet, and a part of the time the cutter bar was six inches under water, and as much as two thirds of the time the rim of the drive wheels were under water. The work was well done,

worked easy for the team, was easy to turn, and I do not think that any other machine I have ever seen would have cut it as well, if it would have cut it at all. He cut an acre an hour.

GEORGE C. WHEELER.

FREEDOM, Feb. 21st, 1862.

MESSRS. D. S. & Co.:

I have been using one of your machines the past season. I cut about 100 acres of grass and grain, and only paid out 75 cents for repairs. Some of the ground was very rough. I had a very light team, one of them only three years old; I worked them hard all day, and they did not sweat a hair. It has no side draft, and is no heavier on my team than my wagons. Hilly land is no obstacle; anybody that can manage a team can manage that too. If any farmer wants a machine, let him try, by all means to get one of yours.

JOSEPH WEIR.

SCIO, Washtenaw Co., Mich., Feb. 19th, 1862.

MESSRS. D. S. & Co.:

I have used your machines, and like them well; they will mow from ten to fifteen acres per day, without hurting a team. They are the most convenient machine in use, for you can throw them in and out of gear without getting off the machine; and the cutter bar is raised with a lever, so that you can pass over stumps and stones. It will work as well on a marsh as on upland. As for a Reaper, it will beat the world. I saw one of them reap 100 acres of wheat in five days and a half. They are a strong and durable machine, and I would recommend to my friends who wish such an article, to buy the Ohio Mower and Reaper, of your manufacture.

J. S. HOWLAND.

AUBELIUS, Cayuga Co., N. Y., March 14, 1862.

MESSRS. D. S. & Co.:

I used your Ohio Mower and Reaper last year, to my entire satisfaction. It is very easy draft, and there was no such thing as clogging in stopping or backing up. I cheerfully recommend said machine to my brother farmers.

DAVID S. TITUS.

BIG FLATS, Chemung Co., N. Y., Feb. 7th, 1862.

MESSRS. D. S. & Co.:

Having used the Ohio Mower and Reaper the last season, we would give it the precedence over all machines that we have used. The perfect flexibility of the cutter bar, the two driving wheels, making it easy of transportation from one field or one farm to another, the strength and durability, combined with the lightness of draft, and the ease with which it is worked, should recommend it to every farmer.

S. T. & G. H. OWEN.

BALDWIN, Chemung Co., N. Y., Feb. 10th, 1862.

MESSRS. D. S. & Co.:

Having used Ball's Ohio Mower for the last haying season, I find that it works better than I supposed it could. I have mowed meadows with it that I did not suppose could be mowed with a Machine. Its having two driving wheels gives it a decided advantage over any other machine; also the flexibility of the finger bar, and the steel-faced guards, adds to its utility and durability. The farm on which I have used the said Machine is a hill farm, with many stumps to work around.

W. H. LITTLE.

BALDWIN, Chemung Co., N. Y., Feb. 5th, 1862.

MESSRS. D. S. & Co.:

I have used one of the Ohio Mowers and Reapers manufactured by you, for two seasons past, and can cheerfully recommend them as being the best implement of the kind I have ever seen. Among their superior qualities are the two drive wheels, the steel faced guards, the perfect flexibility of the finger bar, the easy draft, and the convenience of operation. Its merits are not fully known until you give the Machine a trial.

J. NIXON.

PINE VALLEY, Chemung Co., N. Y., Feb. 10, 1862.

MESSRS. D. S. & Co.:

I bought of your agent, Hiram Ketchum, an Ohio Mower. I had about sixty-five acres to mow; the ground had never been rolled, or the scattered stones picked off; and I was

told by men who had other kinds of mowers that I could not use my Machine on it without breaking it; but I tried it and I never had as good work done with a scythe on my farm, as your Ohio Mower did. I had been waiting about two years to satisfy myself about the different kinds, and after seeing them all work, I am satisfied that the Ohio is superior to any for ease of the team, durability, and good work. It works nearly as well when the grass is wet as when dry; I have not had to lay out one dime for repairs during all my mowing.

CURTIS MILES.

ELMIRA, Chemung Co., N. Y., Jan. 20, 1862.

MESSRS. D. S. & Co.:

I purchased and used one of the Ohio Mowers and Reapers, last season, and I can recommend it to the public as the most perfect implement I have ever seen; and you are at liberty to recommend it in the strongest language you are master of.

A. C. KINYON.

SOUTHPORT, Chemung Co., Feb. 4, 1862.

MESSRS. D. S. & Co.:

I have used the past season one of the Ohio Mowers and Reapers. Having previously used one of Ketchum's Mowers, I am satisfied that the Ohio Machine as a Mower is fully equal to the Ketchum, and for changing from one part of the farm to another is much preferable. Also that the draft is lighter than that of the Ketchum; the steel facing of the guards is a very desirable quality. I have not had sufficient opportunity to test the Reaper. As a combined Machine, I think it fully equal to any that I have seen.

EDMUND MILLER.

CHEMUNG, Chemung Co., N. Y., Feb. 20th, 1862.

MESSRS. D. S. & Co.:

Last season I made myself owner of one of your Ohio Mowers; I have never had any cause to regret the purchase, nor do I fear that I ever shall. I have found it all that your agent recommended it to be, or the circular that accompanied it. You are at liberty to use my name to anything you wish to say in favor of your Machine.

PETER GUNDERMAN.

SOUTHPORT, Chemung Co., N. Y., Feb. 21, 1862.

MESSRS. D. S. & Co.:

I purchased one of Ball's Ohio Mowers last season, having previously used one of the Manny Machines for several years. I had considerable cutting to do with my new Ohio Machine, part of which was what I should call a severe test; I was surprised as well as pleased to see it perform this with ease, and in a complete and workmanlike manner, in wet or dry weather, and if I chose with the slowest step of the team. This Machine has, in my estimation, many qualities superior to any other, and is inferior in no respect to any ever introduced. My address is Elmira, N. Y.

JONATHAN JENKINS.

SOUTHPORT, Feb. 20th, 1862.

MESSRS. D. S. & Co.:

We have had one of the Ohio Mowers for two seasons, and think it fully worthy of the good name it bears with all those of our acquaintance who have witnessed its operation. We have no trouble in cutting the most difficult grass, wet or dry, and think it decidedly preferable to any other.

Our P. O. address is Wellsburg, Chemung Co., N. Y.

MATHEW & LYMAN FINCHER.

MESSRS. D. S. & Co.:

I have used your Mower and Reaper for two seasons, and find it the best Machine in use. I have seen a number of machines work, but none of them can compete with the Ohio Mower and Reaper. They are easily managed, with a suitable team, and will cut grass on stumpy ground. I have done good work on ground where there were from thirty to forty stumps per acre; also I have cut heavy clover and timothy grass, one and a half acres in an hour. The Reaper works complete.

J. S. GREATSINGER.

BALDWIN, Chemung Co., Feb. 5th, 1862.

MESSRS. D. S. & Co.:

Last season I purchased one of the Ohio Mowers, manufactured by you, having used a Manny machine for several years, during which time I have felt a warm interest in machines and have witnessed numerous trials of the various kinds in use about here, consequently I had plenty to select from. After using the Ohio Machine enough to become familiar with it, I was convinced that two driving wheels were indispensable to a good Mower; the steel faced guards are a great improvement, as they will retain a perfect corner, and enable the machine to work as well as new for any reasonable length of time. The rolling joint of the finger bar (which I have never seen in any other machine) enables it to adapt itself to unevenness very admirably; they are convenient and easy to operate and of the lightest draft, and when in order will mow the most difficult grass, wet or dry, with the slowest motion. I have never known the knives to clog unless by some obstacle. I have only witnessed its operations in reaping in one instance, when the agent cut some half dozen acres of wheat for me, a part of which was of heavy growth, and notwithstanding the raker was a stranger to the meadow, the work was speedily and easily performed, and fully as good as any I ever saw done with other machines. I am free to give it as my opinion that as a combined Machine, or Mower alone, they are superior in many respects, and inferior in no respect to any I am acquainted with.

JACOB LOWMAN.

ELMIRA, Chemung Co., Jan. 27th, 1862.

MESSRS. D. S. & Co.:

I have used one of the combined Machines, manufactured by you the past season. I have had considerable experience with Mowers and Reapers. My father purchased the first Reaper in this county, (Burrall's of Geneva,) and two years later a Mower of Ketchum's patent, both of which worked well, but were rather hard for the horses. I have tested your Mower thoroughly in all kinds of grass, both wet and dry, and consider it equal to, if not superior to any Mower in use. I have never known the knives to choke up with grass so as to prevent their vibrating freely. The steel plated guards (which I have never seen on any other machine) I consider a great improvement, and in being geared from both driving wheels it has great superiority over others, by enabling it to make a much shorter curve to the left around stumps or other obstacles than could otherwise be done. The Reaper I have not had so good an opportunity to test; my grain all being lodged. It seems light, considering the width of cut, (6 feet,) it cuts clear and delivers the grain in as good shape as any side delivery machine.

Yours respectfully, JOHN D. MILLER.

MILLPORT, Chemung Co., N. Y., Feb. 20, 1862.

MESSRS. D. S. & Co.:

Two years ago this winter I purchased the first one of Ball's Ohio Mowers and Reapers ever introduced into this county. I had never witnessed its operation, but took it on the strength of my own judgment, (having had some experience with machines) and the recommendation of your agent, Mr. H. Ketchum, who told me that he had driven it more than one hundred miles on the road while exhibiting it about the county. When the season for operations came, my anticipations were more than realized. I can always take it to the field with the assurance of doing a good job with ease, no matter whether it be wet or dry. I think there are many superior qualities in this machine, and none supercedes it in any particular.

A. H. SMITH.

HORSEHEADS, Jan. 31st, 1862.

MESSRS. D. S. & Co.:

Having used Ball's Ohio Mower and Reaper for three seasons, I find it works just as well as recommended by your agent. It combines more good qualities than any other Machine within my knowledge, and is inferior in no respect to any.

GEO. W. McNISH.

MESSRS. D. S. & Co.:

As I have a long story to tell you, I will begin by relating the steps which led me to purchase your Ohio Mower and Reaper. Mr. Ketchum, your agent, by some means found that I was examining some machines with the intention of becoming the owner of

one. He called upon me, and like all other Agents his article was the best, but I turned him off by saying I was not prepared to purchase; my intention was to witness the operation of the machine in a trial with others, knowing that the test of a pudding is in the chewing of the string. A short time after, your agent told me that there was to be a match in the place where I reside; I was prevented from attending, but was told by my neighbors that the Ohio Machine won the laurels of the day. Mr. Ketchum, finding that I was not there, came to see me again, but he found me unchanged in my purpose of seeing for myself; I told him I wanted a Machine, and nothing but the very best need be offered to me; to this he replied that he had just the one for me. I insisted upon seeing the Machine operate in company with others; nothing would cool his determination to sell me one, so he said he should bring a Machine and let me operate it myself. He appointed a day for the trial and it proved to be a bad one for him to test the Machine, nevertheless, he having such full confidence, on he came through the rain, which was too severe to put the Machine together out of doors, so he occupied my barn floor for the purpose; it was very soon done. "Come," says he, turning to me, and other witnesses standing by, "where shall I exhibit its work?" Seeing that he was determined, we started for the meadow; as we went down the road that is used for the farm road, said he, "we may as well smooth up as we go;" down went the knife bar and guard, and the next instant the scattered grass was laid low. Before reaching the meadow we saw how admirably the Machine was adapted to all unevenness. The grass lot being reached, (the grass was clover and timothy, and most of the sward had grown the fall before, making what I call a potpie,) but sirs, your Machine worked like a charm. I now seated myself on the Machine, knowing that there was a good deal in driving a team. My first attempt was to clog the Machine by a slow step, then stop to test the strength and motion in starting, but without accomplishing my purpose. I worked every way that I could to convince your agent that he had not the best Machine, but as every attempt of mine failed, he took new delight himself in witnessing its operation. We then went to another field on a side hill, and to my astonishment away he went, doing as good work there as anywhere else. I had to walk by the side of the Machine and hold it upright. Although it worked far better than I thought any Machine could, still I could not be satisfied till I saw him cut a circle by turning to the left; this he did, leaving it not more than 20 feet in diameter, and I have no doubt that he would have cut the last lock of grass if I had asked him to do it. He loaded his Machine, merely stating to me that there was to be a mowing match in Chemung, and inviting me to be present. I was sure then that it was the best Machine I had ever seen work. But to satisfy my curiosity, and to see if anything would be produced that could surpass your Machine, I went to the match, but I was fully satisfied that your agent had not claimed too much for it. When I came away I gave him an order for an Ohio Mower and Reaper, and it has given me entire satisfaction in all the tests I have given it. The following I consider some of the advantages which your Machine has over others. Its lightness and strength, the readiness with which it may be repaired, its two driving wheels which give it a decided advantage both in the power as well as in the steadiness of the motion which they impart to the knives, which prevents them from clogging or stopping in passing over dead furrows or other unevenness. Also that the joint is at the end of the finger bar where it connects with the shoe and pitman rod, also the construction of the pitman which allows the rod to work on a line with the knives; this removes friction, which is one of the great obstacles to be overcome in the construction of Machines. I am of the opinion that too much cannot be said as to the merits of your Machine. If any one doubts what we and you claim for it, let them come when we are working, and we will convince them, unless they are fully determined not to be pleased. My place is in Southport, but my address is Elmira, Chemung county, N. Y.

ASA DU BOIS.

KNOWLESVILLE, Orleans, Co., N. Y., Feb. 6th, 1862.

MESSRS. D. S. & Co.:

A year ago last June, I bought one of Ball's Ohio Mowers and Reapers of Mr. Arnold Gregory, your Agent at Millville. I selected it after having tried one of the *wheeled* Buffalo machines, which I threw one side as worthless. The agent for the Ohio put his machine to work in the same field where the other *could not work*, and to my great surprise it worked to a charm; the ground was very rough, stumpy, and stony, the worst piece I ever saw mowed with a machine, I think. I have found it to be all it was represented to be, after having done all my haying and harvesting, and thoroughly

trying it on all kinds of soil. As a Reaper no machine could possibly excel it, as I have cut grain lying in every possible direction and shape, and in every case I can cut cleaner and lay the straw better for binding, than can be done with a cradle or any other machine I ever saw. As a Mower I don't see how it can be beat. I have tried it in wet grass, fine grass, and tangled grass, without its choking or clogging at all; it *cannot* be clogged when kept in order. It is the lightest draft machine I ever saw; I have worked it with a light team, day after day, with ease.

Although it works to a charm, and excels everything else in draft, and manner of doing its work, its chief point of superiority is its adjustable structure, by which it can adapt itself to uneven surfaces, and work as well as on smooth land. Take it all in all, I am satisfied *it can't be beat*, and I take pleasure in recommending it to my neighbors.

Yours truly, DAVID CARR.

MILLVILLE, Orleans Co., N. Y., Jan. 24, 1862.

MESSRS. D. S. & Co.:

I purchased an Ohio Mower and Reaper two years ago, made by you, at Auburn. I have cut over 300 acres with it, and all of the work has been satisfactory. A few shillings will cover all expenses, and the machine is in perfect order. I have used it at several trials with marked success; at least nine tenths of those present at every trial acknowledged the superiority of Ball's Ohio Mower and Reaper. I *know* it is strong, and if taken care of, will last a lifetime. It has more good points than any machine I ever saw. It is emphatically *the* Machine for the farmer, and needs but to be seen to be admired, and used to be appreciated.

The attention of farmers is called to the fact that a good reaper must have the cutter bar to the rear of the drive wheels, therefore, those mowing machines that cut forward, *cannot* be converted into good reaping; the reason is obvious. In order to deliver the grain at the side, all machines with a forward cutter bar, have a circular platform, which makes it very hard work for the raker to deliver the grain, especially if the grain is not fully ripe. This is the case with the Buckeye, as a good many will attest who have them in use.

I have so much confidence in the machine that I am willing to lay a wager and contest for the same with any man, I care not whom, or where he may come from, or what machine he may use, at any time, and any convenient place, either mowing or reaping, or both. Brother farmers, try one, and if it does not suit, do not keep it, and charge to the account of

ARNOLD GREGORY.

MILLVILLE, Orleans Co., N. Y., Feb. 3d, 1862.

MESSRS. D. S. & Co.:

The undersigned take pleasure in testifying to the unequalled merits of the Ohio Mower and Reaper. We have used it for two seasons in every variety of work, both in grain and grass, and it has answered our expectations, both in ease of draft and arrangement, and in the superior quality of its work. Its mowing equals anything we ever saw done, either by scythe or machine, and as a reaper it has worked to our entire satisfaction; the raking off is easily and perfectly done. We have cut a great many acres, some of it very rough and stony ground, and our repairs have been nothing to speak of, and breakages none.

We would mention the following points in this machine wherein we think it surpasses all others in our knowledge.

1st. We believe the Ohio Mower and Reaper to be the lightest draft Machine in use.

A common pair of horses will work it with ease all day, and day after day, and it does not bruise or gall them by side draft, or pressure upon their necks.

2d. We consider it a very durable machine. Certainly no machine could be more durable than this has proved itself to be during the past two seasons' work.

3d. It makes no difference how rough the ground is, the finger bar always follows the surface, and we can work it where no other machine we ever saw can go.

4th. It is as superior to other machines in reaping as it is in mowing; it works as well in lodged or standing grain, cutting at any desired height, and saving all the grain. The gavels can be laid either at the side or at the rear, as we please, in good shape for binding. The raker's seat is the most comfortable to his position, the most natural to his work; the easiest we ever saw on any reaping machine.

We consider the above points, and some that we have not mentioned, of great import-

ance to farmers, and from our knowledge of the various machines before the public, we feel confident that there is no other machine which combines all these points in as great perfection as Ball's Ohio Mower and Reaper, and we would advise all our brother farmers at least to *try* one before buying any other.

J. E. SEAVER,
D. W. HINMAN.

MILLVILLE, Orleans Co., N. Y., Jan 3, 1862.

MESSRS. D. S. & Co.:

I bought an Ohio Mower last season, and worked it through the summer. It has met my entire satisfaction. I found it to work well, and easy both for driver and team. It is simple in construction, durable and well adapted to work on rough or stony grounds.

BEXTER MASON.

EAGLE HARBOR, Orleans Co., N. Y., Feb. 6, 1862.

MESSRS. D. S. & Co.:

After using several other machines on my farm, I last summer purchased an Ohio Mower and Reaper, and I think, taking all things into consideration, it is not to be equaled.

J. M. SKINNER.

MILLVILLE, Orleans Co., N. Y., Jan. 28th, 1862.

MESSRS. D. S. & Co.:

I have used your Ohio Mower and Reaper, (Ball's Patent) for two seasons past, and it has met my expectations. I have given it thorough trial, have taken pains to compare it with other machines, and in my judgment, there is *none as good*. The principle upon which it is built combines cheapness, simplicity and durability. In short, I cannot say too much in its favor.

C. A. ROOK.

EAST SHELBY, Orleans Co., N. Y., Feb. 6, 1862.

MESSRS. D. S. & Co.:

I purchased one of your Ohio Mowers and Reapers last June, which I have used with the best success; having cut about 150 acres of grass and grain. I have used it on both smooth and rough ground, and I am satisfied there is no machine before the public which for lightness of draft, amount and quality of work, ability to keep the surface of the ground through ditches and over stones, freedom from side draft, comfortable position for driver and raker, the workmanlike manner in which the grass and grain is cut and laid; and the durability all considered, combine so many advantages as this machine.— Then I recommend it to every farmer, above all others, who wishes to buy a machine.

BARRE, Orleans Co., N. Y., Feb. 7th, 1862.

MESSRS. D. S. & Co.:

I must say that the Ohio Machine I bought last June, gives me entire satisfaction as a mower and reaper, having tested it in both respects on very rough and stony ground.— In mowing it cuts very close, so close that I generally kept it elevated a little, thereby keeping my knives in better order. In reaping it has worked over ditches better than I expected. I am satisfied that in lightness of draft and freedom from side-draft, pressure on the horses' necks, ability to work on rough and stony ground, and adaptation to different kinds of work, it excels every other machine sold in this community, and I can cordially recommend it to my neighbors as being a machine every way worthy of attention.

A. RICE.

MILLVILLE, Orleans Co., Jan. 31, 1862.

MESSRS. D. S. & Co.:

I regard your Machine as admirably adapted to the wants of the farmer. I speak from what I know, having used one for two seasons past. In the hands of a competent manager it is the King of machines. I have used several different kinds, all of which did fair work; but when I take into consideration the lightness of draft; freedom from side-draft; its great strength, being strong where strength is needed; and its durability, &c., I regard yours as second to no other, and the best machine ever invented. Mine cut nearly 300 acres with but small expense, say \$2 all told, and it is nearly as good as new. With other points which I mention, it makes the value of the other machines vanish as the dew. All one wheeled machines I consider a nuisance, their room being worth

the most. The Buckeye is a good mower, but when converted into a reaper is worth less than a one wheeled machine; what we farmers want is a tip-top *Combined Machine*, one that will not only *mow* well, but reap well in every kind of grain, and this I find in the Ohio Mower and Reaper.

SYLVESTER GREGORY.

ANTWERP, Jefferson Co., Feb. 3d, 1862.

MESSRS. D. S. & Co.:

The Ohio Machine I purchased of you gives me perfect satisfaction, both as a Mower and Reaper. I consider it a perfect machine.

ROBERT DICKSON.

ANTWERP, Jefferson Co., Feb. 3d, 1862.

MESSRS. D. S. & Co.:

This is to certify that the Ohio Mower I bought of your Agent, works to my entire satisfaction, as I have cut the grass on two farms during the last season. For ease of draft, and execution of its work, I can safely recommend it to any one wishing to purchase a machine.

JOHN DICKSON.

ANTWERP, Jefferson Co., N. Y.

MESSRS. D. S. & Co.:

I have used Mowing Machines on my farm ever since they first came into use, and I have used and seen most all kinds work, and the Ohio Mower I bought of you, is the most perfect Machine I ever saw; and the independent action of the Cutter-Bar, which is different from any other machine, making it work over stony and uneven ground, is the best thing of all.

HIRAM BECKER.

ANTWERP, Jefferson Co., Feb. 4th, 1862.

MESSRS. D. S. & Co.:

The Ohio Mower I bought of your Agent, works to my entire satisfaction, and for ease of draft, freedom from breakage, and the execution of its work, I recommend it to any one wishing to purchase a machine.

H. HOLDEN.

WILNA, Jefferson Co., Feb. 3d, 1862.

MESSRS. D. S. & Co.:

The Mower I purchased of you, I am entirely satisfied with; it works well on uneven and rough ground and will not clog in any kind of grass, wet or dry, and I have mowed where the water was six inches deep, doing the work well. I consider the mechanical arrangement and workmanship, superior to any machine I ever saw.

EBER MAYO.

STERLINGVILLE, Jefferson Co., Feb. 3d, 1862.

MESSRS. D. S. & Co.:

The Ohio Mower I purchased of you last season, fully answers my expectations; as it works well both in heavy and light grass. I have used it and seen it used thoroughly, and can safely recommend it to any one wishing to purchase a machine.

S. G. STERLING.

EVANS MILLS, Jefferson Co., N. Y., Jan. 24, 1862.

MESSRS. D. S. & Co.:

I take great pleasure in saying that the Ohio Reaper and Mower, which I purchased of you, works well; its facilities for nice and easy work far exceed any machine I have ever seen, and I do with much confidence recommend it to any one in want of a good machine.

JACOB R. HELMER.

CAPE VINCENT, Jefferson Co., N. Y., Oct. 1st, 1861.

MESSRS. D. S. & Co.:

The Ohio Mower and Reaper which you sent me, I find a perfect machine. I had used the Buckeye, combined, or rather had mowed with it, (the Reaper having failed me) for two years, but wishing a machine that would reap as well as mow, I concluded to try yours; and I find it excels the Buckeye in mowing, and reaps as well as it mows.

FREDERICK H. DODGE.

EVANS MILLS, Jefferson Co., N. Y., Jan. 24, 1862.

MESSRS. D. S. & Co.:

The Ohio Machine which I purchased of you, gives me the most perfect satisfaction. I have cut over 200 tons of hay with it, besides 50 acres of grain. I have used it on all kinds of ground, and in all kinds of grass and grain, and it has always proved true. I cut over 12 acres of grass in one day, with a single team, that would average over 2 1-2 tons per acre. I consider it the best Mower and Reaper in this country, and recommend it to the farmer, if he wishes a perfect machine.

P. W. WEICHARD.

TROUPSBURGH, Steuben Co., Oct. 7, 1861.

MESSRS. D. S. & Co.:

The Ohio Mower which I bought of your Agent, W. H. Reynolds, is all that you or the manufacturers recommend it to be. It works light, being easy work for two horses to mow ten acres per day in fair meadows; it works well on an uneven surface—will not clog in grass, wet or dry—does its work exceedingly well in lodged clover or timothy. I had waited some time to get a good machine, when I did purchase, and if I have not got the best out, then I am, like a great many others, much mistaken.

S. W. GRIGGS.

EVANS MILLS, Jefferson Co., N. Y., Jan. 24, 1862.

MESSRS. D. S. & Co.:

I can with pleasure say that the Ohio Reaper and Mower I purchased of you last season, fully meets my expectations both in grass and grain.

ABSALOM BAUM.

CAMERON, Steuben Co., Oct. 1, 1861.

MESSRS. D. S. & Co.:

The Machine I bought of you last summer, (the Ohio Mower and Reaper,) proves to be all I expected or desired. I had seen the "Buckeye," the "Wood Improved," and the "Hubbard," in use, and I think I know their qualities. I have used the "Ohio," the past season, and I am fully satisfied that I am paid for waiting, and I would not exchange it for any machine I have ever seen. My lands are rolling and uneven surfaced, but the machine executed its work to my entire satisfaction, both in mowing and reaping.—I found no trouble in keeping it in order, or in mowing any amount I wished in a day. It is very light of draft and performs its work, for aught I can see, equally well, whether driven fast or slow. In my judgment it is entirely superior to any machine I have ever seen offered to the public.

THOMAS BATEMAN.

HORNELSVILLE, Steuben Co., N. Y., Sept. 2, 1861.

MESSRS. D. S. & Co.:

The Ohio Mower and Reaper manufactured by you, which I purchased from your Agent, Mr. H. Reynolds, in July last, I have fully, and satisfactorily tried; and am happy to say that in *every respect*, both for mowing and reaping, it fully meets my expectations. I have tried it in mowing in heavy and light grass—standing and lodged—wet and dry—smooth and uneven surfaced,—and in every instance operating to my *entire* satisfaction. In reaping also, the trial through the season was equally satisfactory. It is simple in arrangement, easily operated, and kept in order without difficulty,—strong where strength is required; without great bulk or weight. It will do its work with high or low motion. It excels all other machines that I have ever seen operate, (and I have seen the most of them,) in lightness of draft; it is easy work for a common span of horses, and they do not need, (as on most other machines,) to be urged to high speed to do work satisfactorily. In short, I believe it altogether the best Mower and Reaper now in use.

MOWRY THATCHER.

CANANDAIGUA, Jan. 6th, 1862.

MESSRS. D. S. & Co.:

The Ohio Mower and Reaper which I purchased last June, worked to my entire satisfaction, and after a careful examination and some practical knowledge of the different machines in use in this section, I have no hesitation in saying that for lightness of draft, durability and strength—freedom from side draft, and the ease with which it adapts itself to the uneven surface of the ground, it cannot be surpassed. It did not cost me one shilling for repairs during the entire season.

ELIAS DURAND.

MESSRS. D. S. & Co.:

CANANDAIGUA, Jan. 16th, 1862.

I have cut nearly fifty acres of grass with the Ohio Mower which I bought of you last summer, and I find the machine all that it was represented to be. I have mowed over very rough ground, and in fine, wet and dry grass, and have found it to cut free and easy without clogging, and without side draft. The ease with which the driver can raise or lower the cutter bar, so as to pass over stones, knolls or any other obstacle, and the lightness of the draft, must necessarily give it superior advantages over other machines.

PHILANDER STILES.

MESSRS. D. S. & Co.:

SOUTH BRISTOL, Ontario Co., N. Y., Feb. 30, 1862.

I have cut about 100 acres of grain and grass with the Ohio Machine, which I purchased of you, and can cheerfully say that I think it did better work with less horse power than any machine with which I am acquainted. I think its peculiar adaptation to the uneven surface of the ground, and its great strength and durability, give it superior advantages over other machines for our rough country.

EPHRAIM RANDALL.

MESSRS. D. S. & Co.:

CANANDAIGUA, N. Y., Feb. 6, 1862.

We the undersigned having used the Ohio Mower and Reaper sold by you the past season, hereby certify that it excels any other machine that we have seen used, and think it equally as successful in cutting grain as mowing grass.

DAVID CARLOUGH,
FRANK KELSEY, JAMES HAIRE,
JAS. E. LARKINS, AMASA MILES.

MESSRS. D. S. & Co.:

CANANDAIGUA, N. Y., Feb. 5, 1862.

It is with pleasure that I add my testimonial in favor of the Ohio Machine. I have given mine a thorough trial; its lightness of draft, durability and strength, and its freedom from side draft, cannot be surpassed by any other machine in use in this section; and I unhesitatingly say, that I consider it superior to any with which I am acquainted.

MYRON PARK.

MESSRS. D. S. & Co.:

BRISTOL, Ontario Co., N. Y., Feb. 14, 1862.

I can with pleasure say that the Ohio Mower is much the best machine I have ever used, and I think it far the best I have ever seen.

ELIJAH STONES.

MESSRS. D. S. & Co.:

CANANDAIGUA, N. Y., Feb. 7, 1862.

The Ohio Mower which I bought of you I have fully tested in different kinds of grass, and I find it all that it was represented to be. It requires less power and cuts closer on rough ground than any other machine. I can cheerfully recommend it to farmers who wish a first class machine.

THOMPSON SUTHERLAND.

MESSRS. D. S. & Co.:

FAYETTE, Seneca Co., Jan. 20, 1862.

I have one of the Ohio Mower and Reapers manufactured by you, and I think it the best machine in use. It is compact, durable, light of draft, and easy for man and team. It cuts its way smooth and easy by having a joint finger-bar, and though I have used different machines, I think this the best.

SAMUEL THOMAS.

MESSRS. D. S. & Co.:

WATERLOO, Jan. 22, 1862.

I have one of the Ohio Mower and Reapers of your manufacture, and I think it the best in use for the ease of the team and lightness of draft, and for the man that manages it; being a compact, double-gearred and durable machine; cutting its way smooth and easy by having a joint finger bar. I have used different machines, and consider the Ohio the best in all kinds of work.

M. T. SMITH.

MESSRS. D. S. & Co.:

WATERLOO, Seneca Co., Jan. 20, 1862.

I bought of your Agent, Van R. Stuck, one of the Ohio Mower and Reapers, manufactured by you, and consider it the best machine for farmers' use. It is easy of draft, cuts its way well and freely in all kinds of grass, is durable and easily managed.

WILLIAM H. SMITH.

MESSRS. D. S. & Co.:

FAYETTE, Seneca Co., Dec. 27, 1861.

I have used one of the Ohio Reaper and Mowers manufactured by you, and I consider

it a perfect machine; easy for a man and team to manage. It cuts freely, without clogging, and is just the machine for farmers' use.

DANIEL YOST.

MESSRS. D. S. & Co.:

WATERLOO, Seneca Co., Aug. 30, 1861.

I have one of your Combined Machines, and I take this opportunity of saying that I think it one of the best machines in use, both as a Reaper and Mower.

JAMES KENNEY.

MESSRS. D. S. & Co.:

WATERLOO, July 20, 1861.

We witnessed one of your Ohio Mowers at work on the farm of Mrs. Waters, on the 29th of June, cutting clover that was very heavy and badly blown down. The machine did the work clean and nice; no clogging nor dragging the grass down. We would advise the farming community to examine the Ohio Machine before making their purchase.

JOHN L. CLARK,

SYLVESTER L. STRINGHAM.

MESSRS. D. S. & Co.:

FAYETTE, Seneca Co., N. Y., Jan. 27, 1862.

I have this day witnessed the operations of one of your Combined Machines, and from the experience I have had with other machines, I think yours is the best in use; doing the work easy for the man as well as for the team.

WILLIAM L. STRINGHAM.

MESSRS. D. S. & Co.:

FAYETTE, Seneca Co., N. Y., Jan. 25th, 1862.

We witnessed a trial of the Ohio Machine with the Cayuga Chief, at W. J. Selsmer's, on the ninth of July last, and we consider the Ohio the most durable—the best working for man and team, performing its work in good style and is just the machine for farmers' use.

ALONZO B. STRINGHAM,
REUBEN KNAUSE.

MESSRS. D. S. & Co.:

CORTLAND, Cortland Co., Jan. 30, 1862.

I have owned and used on my farm, for three years, one of Ball's Mower's and Reaper, mowing and reaping on an average, not far from 150 acres yearly; I find it durable, easy of draft, and perfect in work, under all circumstances; and therefore cordially recommend it to all persons wishing a first class machine.

JOSEPH KINNEY.

MESSRS. D. S. & Co.:

FRANKLIN, Del. Co., Feb. 15, 1862.

After thoroughly testing E. Ball's Ohio Mower on all kinds of meadow land, I am pretty well convinced that with any given amount of power, it will perform a greater amount of labor than any other machine in use.

FREDERICK TAYLOR.

MESSRS. D. S. & Co.:

CORTLAND, Cortland Co., Dec. 30, 1861.

This may certify that I have used Ball's patent Ohio Mower and Reaper, manufactured by you, last season; my opinion is that it is the best Machine in use. Its adaptation to all Meadow land, and its combined conveniences place it far ahead of every other machine.

MORGAN N. CHURCHILL.

MESSRS. D. S. & Co.:

CORTLAND, Jan. 30th, 1862.

This is to certify that I have owned and used for the two past seasons one of E. Ball's Mowers and Reapers manufactured by you, and my farm being of uneven surface, I have had an opportunity of testing it in all shapes, and in short, I think there is no machine its equal.

OSCAR V. ELDRIDGE.

MESSRS. D. S. & Co.:

HOMER, Cortland Co., Feb. 1, 1862.

The Ohio Machine you sold me, manufactured by you, has met my highest anticipations, in ease of draft, diminution of side draft, facility of throwing in and out of gear; its perfect adaptation to rough ground over other Machines that I have used, and the little trouble I find in moving it from one field to another. As a Reaper, it does perfect work; it proves more than I expected in the materials used in its construction; there being more steel in it as proved by using, than you represented to me when I bought it.—I have used it two seasons, have cut eighty acres of grass and forty of grain; and my whole expense for oil and breakage has been less than one dollar.

WM. A. BEAN.

MESSRS. D. S. & Co.

VICTORY, Cayuga Co., Feb. 10, 1862.

I have used the Ohio Machine both as a Mower and Reaper, and I think it is the best Machine in use. I am well pleased with its work in every respect.

BYRON COPERNALL.

MESSRS. D. S. & Co.:

VICTORY, Cayuga Co., Feb. 8, 1862.

We bought one of your Ohio Machines, and have used it as a Mower and Reaper. We are well satisfied with it, and think it can't be beat, and we would not do without it through one harvest for the price of the machine. You may word this to suit you in as strong terms as you can.

WILLIAM PULVER,
ADAM PULVER.

MESSRS. D. S. & Co.:

MCLEAN, Tompkins Co., Jan. 30, 1862.

This may certify that I have owned and used one of the Ball Mowing Machines, manufactured by you, for the past two seasons, and have mowed over two hundred acres and am perfectly satisfied with it. I have mowed where I did not think any machine could mow, and would not swap it for any Machine I know of.

THOMAS DARBY.

MESSRS. D. S. & Co.:

SIDNEY, Del. Co., N. Y., Feb. 12, 1862.

After having experienced the hard labor of mowing with the scythe, we were persuaded to buy one of your machines by your agent, Mr. A. Douglass, on recommendations; we find it a nice machine and it will mow on stony or uneven ground; it is easily managed, has a good seat, not liable to throw a man off, as is the case with the other machines.—In short, it is all your circular recommends it to be, and far exceeds our expectations. We would not take two hundred dollars for it, if we could not get another one of the same kind.

JONATHAN BEARDSLEE,
EPHRAIM BEARDSLEE.

MESSRS. D. S. & Co.:

WARSAW, Wyoming Co., N. Y., Feb. 3d, 1862.

I have used your Ohio Mower and can say that it is the best working machine for both man and beast, that I have used or seen used; I have also used the Combination, and am well pleased with it. I would cheerfully recommend it to all farmers.

SPENCER B. HILL.

MESSRS. D. S. & Co.:

WYOMING, Wyoming Co., Feb. 1, 1862.

I have owned and used Ball's patent Ohio Mowing Machine, manufactured by you, for two seasons past, and am highly pleased with it. I have seen a great many Machines, and this does its work better than any other. The raising of the cutter bar and knives in passing over stumps and stones, the freedom from side draft, and the ease of work for team and driver, give it advantages both as a Mower and Reaper, over any machine made up to this date, as I verily believe.

LINUS DE WOLF.

MESSRS. D. S. & Co.:

WYOMING, Wyoming Co., Jan. 29, 1862.

Having used your Ohio Mower for two seasons past, and having tried several other popular Mowers that performed quite well, I am free to say that we found your machine, with its flexible, movable knife bar adapting itself to all kinds of surface and even to very stony ground, doing its work in the very best manner, with the greatest ease, and without any perceptible side draft. I have given it a thorough trial, and in my opinion it is unsurpassed as a Mower, and I take pleasure in recommending it as the farmer's friend, to aid him in this important branch of agriculture.

J. V. MATTHEWS.

MESSRS. D. S. & Co.:

MOSCOW, Livingston Co., Jan. 1862.

I was in want of a mowing and reaping machine, and after examining machines of different patents and their performance, I concluded that for lightness of draft, durability, neatness of work, and facility of management, the Ohio Combined Machine could not be excelled. On trial I found it more than sustained the high reputation your agent, Mr. Bodine, gave it. I can mow lodged clover and grass of other qualities, both heavy and light, on stony and rough land, and start in the heaviest grass without backing. In my estimation your machine is far preferable to any other manufactured, and I do not hesitate to recommend it as a standard machine, and I hope to witness its general introduction among my fellow farmers.

N. H. CROSBY.

MESSRS. D. S. & Co.:

MT. MORRIS, Livingston Co., N. Y., Feb. 8th, 1862.

It is with pleasure that I add my testimonial in favor of the Ohio Mower and Reaper which I purchased of your agent, J. H. Bodine, last summer. Having had an opportunity of testing it thoroughly the past season, I unhesitatingly say I consider the Ohio superior to any mowing and reaping machine I have ever seen in operation.

WM. SPINNING.

MESSRS. D. S. & Co.:

MT. MORRIS, Livingston Co., Feb. 8th, 1862.

I have used one of your Ohio Mowers and Reapers the past season. I would recommend it as one of the best machines in use. I have used it with much success, and I found it simple and effective, and indeed all it purports to be, and I do not hesitate to recommend it as a most valuable machine.

ANSELL SPINNING.

MESSRS. D. S. & Co.:

Moscow, Livingston Co., Nov. 1, 1861.

The Ohio combined Mower and Reaper which I purchased of your agent, Mr. Bodine, in July last, has worked most admirably, and more than met my expectations. I think it cannot be excelled in cutting grass, and it cuts grain in a very satisfactory manner. Among other advantages possessed by this machine is its lightness of draft, one pair of medium sized horses being sufficient to perform any kind of work with this machine, and it operates well with a slow or fast walk. I recommend it to farmers, as in my opinion the best machine for our country that has ever been introduced.

H. D. CROSBY.

MESSRS. D. S. & Co.:

ELLINGTON, Chautauque Co., N. Y., Jan. 30th, 1862.

The Ohio Mower which I purchased of your agent last summer has proved itself worthy of the highest recommendation. Its durability and strength, and its perfect freedom from side draft cannot be surpassed by any other machine now in use in this part of the country. Last summer, before I purchased, my mind was divided between the Ohio and the Buckeye machine, but after a severe trial of the two, I chose the Ohio, I am now prepared to say with confidence that your machine is superior to any that I am acquainted with.

AARON W. CLAPP.

MESSRS. D. S. & Co.:

HAMLET, Chautauque Co., N. Y., Jan. 30th, 1862.

Having used the Ohio Mower the past season, under circumstances calculated to test its merits, I feel warranted in saying that in every instance it has performed its work to my entire satisfaction. I regard it as the most perfect machine that I have seen. I have cut the past season, with my machine, about 120 acres of grass, with no perceptible injury to the machine. I find that it does its work alike satisfactory in all kinds of grass, as well as on uneven and stony bottom. I would most earnestly recommend to those in want of a Mower to purchase the one manufactured by you.

ARDIN SPENCER.

MESSRS. D. S. & Co.:

TURIN, Lewis Co., Feb. 8th, 1862.

We certify that the Ohio Mowers purchased by us of you last season, answer the recommendation you gave in every respect. We consider it one of the best mowers in use, and on rough and uneven ground, it excels all others.

ALMORE C. MILLER,
JEHIEL PRATT.

MESSRS. D. S. & Co.:

TURIN, Lewis Co., N. Y., Feb. 4, 1862.

The Ohio Mower, purchased of you and used by me last season, fully answers all that you promised in your Warranty. I consider it one of the best Mowers in use, and in some respects, excelling all others. It is impossible to clog it in any manner, and I cheerfully recommend it to all in want of a good Mower.

JOHN STRONG.

MESSRS. D. S. & Co.:

TURIN, Lewis Co., Feb. 8th, 1862.

Having used one of your machines, the Ohio Mower, the past season on my farm, and having seen it used by one of my neighbors, A. W. Strong, in cutting the largest clover hay I ever saw, without clogging, I am free to say that I consider it the best mower in use. For ease of draft, durability, and the workmanlike manner in which it performs its work, and in fact, on every account I cheerfully recommend it to any one in want of a real labor saving machine.

C. R. LEE.

MESSRS. D. S. & Co.:

CHESTER, Orange Co., N. Y., 3rd of 2d mo., 1862.

I have used the Ohio Mower the past season; it worked well. I mowed over 50 acres without being at any expense for repairs, and got more hay than I could if I mowed by hand. I recommend it to the public.

DANIEL S. BOOTH.

MESSRS. D. S. & Co.:

OXFORD, Orange Co., Jan. 3, 1862.

The Ohio Mower which I purchased last summer, of your Agent, Mr. Edward Green, I have used, and found that it did its work to my entire satisfaction. After having used it on rough and stony ground, on side hill and soft bottom land, I think I can recommend it as the best machine that I have ever used.

J. W. HELME.

MESSRS. D. S. & Co.:

CHESTER, Orange Co., March 1, 1862.

The Ohio Mower and Reaper which I bought of your Agent, Mr. Green, gives me entire satisfaction. It works as easy with two horses as other machines do with four, when reaping or mowing. I recommend it to all.

W. R. GREEN.

MESSRS. D. S. & Co.:

SANDY CREEK, Oswego Co., Feb. 18th, 1862.

I purchased one of the Ohio Mowers of your Agent, Mr. G. Sage, at this place, and cut with it about forty acres of grass including Rowen, and it will cut when the grass is wet, which some machines will not do. The draft is light and the machine runs steadily. For lodged grass and clover it works admirably. I can recommend it as the best machine, every way considered, that I ever saw.

G. S. BUELL.

MESSRS. D. S. & Co.:

CRAIGVILLE, Orange Co., Jan. 29, 1862.

The Ohio Mower which I bought of your Agent, Mr. Edward Green, and used the past season, fully answers your recommendation, and I have no hesitation in saying that it is altogether superior to anything of the kind; being equally adapted to the cutting of all kinds of grass, and passing over rough and uneven surfaces with ease. I can cheerfully recommend it to any and all who wish to keep pace with the improvements of the day.

JAMES G. THOMPSON.

MESSRS. D. S. & Co.:

MALTAVILLE, Saratoga Co., Feb. 3, 1862.

In July last I attended a trial of Mowing Machines in Stillwater, Saratoga Co., N. Y. I had used Manny's Mower for five years, and intended to use it the coming season; I found at the trial your Ohio Mower, the Buckeye, Hubbard's Improved, also the Ketchum's improved, and others. I perceived that the machines having the most tonguey Agents, attracted the largest crowd, but before the work was half done, eloquence failed to attract the attention from the Ohio Mower. Never having seen one in use, I with others soon became aware of its superior merits; I was so well pleased with it that I proposed having another trial upon my farm the next day, which was agreed upon, and then and there I proved to my entire satisfaction that *it was the Machine* I had been wishing for, for years. I have since tried it upon every variety of ground, smooth, rough, uneven, stony, rolling, wet and soft, and where I think no other machine now in use in this section, could have been drawn by a single team; and really, as a mower, I consider it second to none—for durability, ease of draft, and the control in which the machine is constantly held, it is unsurpassed. It does its work equally well with either quick or slow motion. I will now say that I am fully satisfied with my purchase, it being, in my opinion, the best machine in use. I might relate instances of complete triumph which I have achieved with your machine the past season, but I will forbear, as it might cause unpleasant feelings with good neighbors. Wishing you the best of success in the introduction of your machine.

I remain very respectfully yours,

PERRY R. BURTIS.

P. S.

Of all the mowing machines
With which man was ever blest,
This Ohio Mower,
Is certainly the best.

Dodge, Stevenson & Co.,
Just work for us all,
And hold yourselves in readiness,
To meet the farmers' call.

P. R. B.

MESSRS. D. S. & Co.:

CHESTER, Orange Co., N. Y., Jan. 30th, 1862.

I have used one of your Machines the last summer, and am highly pleased with it; or lightness of draft and on hilly land it cannot be surpassed. I have used others, and the contrast makes me still more pleased with the Ohio Machine. H. W. WOOD.

MESSRS. D. S. & Co.:

JONESVILLE, Saratoga Co., N. Y., Feb. 8th, 1862.

The Ohio Mower I purchased of your Agent, L. L. Weeks, I used on my farm last year. I think it combines simplicity, durability and strength, adapts itself easily to uneven surface, and produces less noise than any machine I have seen.

R. R. KENNEDY.

MESSRS. D. S. & Co.:

DRYDEN, Tompkins Co., N. Y., Dec. 21st, 1862.

This certifies that I have used one of your Mowers, (Ball's Patent,) for the last two seasons with entire satisfaction, and I am sure it is far better than any other with which I am acquainted, especially for uneven ground. It is easy of draft, durable and convenient.

RICH'D MORGAN.

MESSRS. D. S. & Co.:

NEWFIELD, Tompkins Co., N. Y., Feb. 10th, 1862.

I can say with pleasure, that the Machine I purchased of your Agent, called the Ohio Mower and Reaper, I wouldn't give for any machine I ever saw. For doing work on uneven ground, and for durability and strength, I can recommend it to farmers as just the machine we want.

PELEG TAYLOR.

MESSRS. D. S. & Co.:

NEWFIELD, Tompkins Co., N. Y., Feb. 6th, 1862.

The machine which you sent me according to my request, I consider as good a machine as ever came into Newfield. I have mowed and reaped on rough ground, and found the machine just what I wanted. I can recommend it.

BRADFORD TOMPKINS.

MESSRS. D. S. & Co.:

SANDY CREEK, March 1st, 1862.

I have bought and used one of your Ohio Mowers and I have found it to answer the recommendation your Agent gave it. I have cut all kinds of grass, both wet and dry, and it will not clog, and I can say for the benefit of all who may think of purchasing, that they need not look for any better.

M. SERGENT.

MESSRS. D. S. & Co.:

SANDY CREEK, March 2d, 1862.

The Ohio Mower and Reaper I purchased of your Agent, G. Sage, last season, more than answers my expectations; I used it in the worst lodged clover I ever saw, and cut it better than it could be cut with a scythe. A number of my neighbors have been here to see it work, and they pronounce it the best machine they ever saw. I can drive as slow as I please, and cut the grass to my entire satisfaction. I consider it the best machine that ever came under my observation, and would not be without it, or one like it, for twice its cost.

ENOS SALISBURY.

MESSRS. D. S. & Co.:

CHESTER, Orange Co., N. Y., March 4, 1862.

The Machine I bought of your Agent, Mr. Green, is the best, all things considered, that I ever saw, and I would advise any one wanting such an article, to get only the Ohio Mower and Reaper, of your manufacture.

C. B. DAVIS.

MESSRS. D. S. & Co.:

POLKVILLE, Onondaga Co., Feb. 4th, 1862.

I bought one of your Ohio Mowers and Reapers the third day of last August, and put it in a piece of large clover that was badly lodged, and the field was quite stony. It mowed first rate, the best, I think of any machine I ever saw. I am suited with it and I recommend it to any farmer that wishes a good machine.

JOHN ALLEN.

MESSRS. D. S. & Co.:

CHILI, Feb. 8th, 1862.

I bought an Ohio Mower and Reaper of your Agent, Mr. Hannars, and having used it to mow, and reap wheat, oats, barley, buckwheat, and clover seed, I am very much pleased with it, and think it one of the best machines in use.

SMITH PAYNE.

MESSRS. D. S. & Co.:

I consider the Ohio Mower as a good machine, capable of conforming to uneven ground, more than any other in use in this section. •

EAST PIKE, Feb. 8th, 1862.

N. WALLACE.

MESSRS. D. S. & Co.:

FONDA, Montgomery Co., Feb. 20th, 1862.

In July last I was under the necessity of purchasing a mowing machine, and as I have several times been one of the committee at different trials of mowers, I was well acquainted with several different patterns. Of course I wished to purchase the best mower that was in operation; and after a careful trial of the machines, I purchased one of the Ohio Mowers of your Agent, D. S. Baird, believing it to be the best that came under my observation, for lightness of draft, durability, in working on uneven land, and the freest from clogging in wet and fine grass.

SIMEON SAMMONS.

MESSRS. D. S. & Co.:

BENNETT'S CORNERS, Madison Co., N. Y., Feb. 8th, 1862.

The Machine I bought of your Agents, C. Orr & Co., is a perfect mower and reaper, and I would advise all my friends to buy one; I think it can't be beat.

JOHN MOAT.

MESSRS. D. S. & Co.:

ONEIDA VALLEY, Oneida Co., N. Y. Jan. 27th, 1862.

Having seen one of the Ohio Mowers, I was induced by its construction to believe that it was a perfection of the mowing machine; my belief was so strong that I purchased one, and I can assure you that my anticipations were fully realized on bringing it into use. The draft being lighter, more can be performed in the same length of time, and in a better manner than by any other machine that I have seen in operation; therefore I can confidently recommend this Ohio Mower as the best machine in use.

GEO. DAVIS.

MESSRS. D. S. & Co.:

VERNON CENTRE, Oneida Co., N. Y., Feb. 1st, 1862.

Having used Ball's Patent Ohio Mower and Reaper in cutting 50 acres of grass and grain, of which two-fifths was on rough side hills, I can recommend it as doing its work as well on side-hills as on even surfaces. It performs quick and well, leaving its stubble even without a comb. With proper care of this machine, any common team will easily cut an acre and a half in an hour, as the draft does not exceed that of stubble ploughing at a depth of six or eight inches. It combines all the conveniences of any machine, its great strength and durability are of the utmost importance to all who wish to save time and *repair bills*. In fact it is one of the best machines ever made, and I do most cheerfully recommend it in all respects as a perfect machine, and would advise all who wish to purchase, to make the Prize Medal Ohio Mower and Reaper their choice, and they will be repaid.

E. B. SMITH.

MESSRS. D. S. & Co.:

NORTH WESTERN, Oneida Co., Jan. 31st, 1862.

I have used the Ohio Mower for two seasons, and have been a close observer of various mowing machines within that time, and in my observations I have seen no mowing machine that I could so cheerfully recommend to the farmer, as the "Ohio Mower."—The ease of draft and style of work surpass any machine I ever saw in use.

SQUIRE UTLEY.

MESSRS. D. S. & Co.:

JOHNSTOWN, Fulton Co., N. Y., Feb. 10th, 1862.

We have seen your Ohio Mower work and we feel safe in recommending it to any farmer that wishes to purchase a machine. It is light of draft, durable, free from clogging and works well on rough and uneven ground

M. B. HEAGLE,

WILLIAM H. HEAGLE.

MESSRS. D. S. & Co.:

KINGSBOROUGH, Fulton Co., N. Y., Feb. 10th, 1862.

I have witnessed your Mower, when at work, and I recommend it to any farmer that wants a machine. It will not clog in wet grass.

I. G. STEELE.

MESSRS. D. S. & Co.:

MONTAUR, Schuyler Co., N. Y., Feb. 3d, 1862.

I purchased in July last, one of your Combined Machines, the Ohio Mower and Reaper, and I am much pleased with it. I cut during the season, some ninety acres of grass, barley, wheat, clover and timothy. As a Mower it is superior to any other ever offered

here, being of easier draft, and each end of the cutter-bar lying upon the ground, entirely independent of the machine (while in use,) it will cut as well on uneven as a level surface. As a Reaper, it is easier for a team and for hands, and does the work as well as any other machine, while for timothy seed there is a great saving in hay. I cut seven acres with a reaper, about a foot high, and then mowed the bottom, getting eight loads of grass.

L. W. FROST.

MESSRS. D. S. & Co.:

FOSTERVILLE, Cayuga Co., N. Y., Feb. 26th, 1862.

I purchased last season of your agent, Mr. James Stevenson, one of your Ohio Mowers and Reapers; I have used it for both purposes, and find it the most perfect machine now in use. I have tried it on very steep hills, and it will not tip over, as reported by other machine agents, and it is very durable. I cut all my own grass and grain and some for my neighbors, and was at no expense except for oil. In reaping, it is very easy work for a man to take off the grain, and it can be laid straight, and out of the way of the next round. The draft is very light, making it easy work for a small team to run it all day.

ELLIOTT F. TYLER.

MESSRS. D. S. & Co.:

FISHKILL PLAINS, Dutchess Co., N. Y., Feb. 13th, 1862.

We purchased one of the Ohio Mowers in the summer of 1861, and have mowed 150 acres of grass, over almost every kind of ground, and every description of grass, both wet and dry, and it has performed to our entire satisfaction, and better than any other that we have seen in operation. It is of light draft, free from side draft, very convenient and easy in all its operations, and we think it the best Mower we have ever seen put in motion.

J. H. SLEIGHT,
S. B. SLEIGHT.

MESSRS. D. S. & Co.:

MORRIS, Otsego Co., N. Y., Feb. 12th, 1862.

As you doubtless are receiving testimonials of the well merited good qualities of the "Ohio Mower and Reaper," I thought that my experience the past season with one of the machines, might perhaps be acceptable to you; claiming as I do, without fear of contradiction, to have had as much practice as any other person in our country for the past five or six years with the most popular machines in use.

In July last, I received from your predecessors, (Messrs. Ross, Dodge & Pomroy,) one of these machines, and having the opportunity of using it on almost every variety of land and cutting every imaginable sort of grass, *as well as some stones*, I am fully convinced that it is decidedly the best machine that I ever used or saw used. In saying thus much, I mean to be understood, that it does the best work—is the easiest of draft, for a machine doing the same amount of work—least liable to get out of order—will not clog in wet or dry grass, lodged or standing, fine or coarse, if kept in proper cutting order, besides being the easiest and safest for the driver. As a Reaper I am equally well pleased with it, and after a thorough trial with it, I do not hesitate to say its work is equally good in every respect to the work done by one of the celebrated McCormick Reapers, which I have used for the past two seasons, besides the economy to the farmer in having a Combined Machine, susceptible of being changed from a mower to a reaper in so short a time, and with so little labor. The Ohio Mower and Reaper only needs to be seen and used to be appreciated; it is *the* machine for the farmer, and I shall take great pleasure in recommending it.

R. H. VAN RENSSELAER.

MESSRS. D. S. & Co.:

VERBANK, Dutchess Co., N. Y., Feb. 20th, 1862.

I have seen the Ohio Mower and Reaper used considerably, and operated it myself; I have studied its mechanism and workings in all its parts, and I think it comes nearer a perfect machine, both in its finish and working, than any machine I have ever seen. I exhibited one of the Combined Machines at the Dutchess County Agricultural Fair and obtained the first premium as a Combined Machine.

EDMUND VAIL.

MESSRS. D. S. & Co.:

VERBANK, Dutchess Co., N. Y., Feb. 20th, 1862.

I purchased one of the Ohio Mowers in 1860, and have used it for two seasons. I think it the best machine in the market.

WILLIAM ST. JOHN.

MESSRS. D. S. & Co.:

VERBANK, Dutchess Co., N. Y., Feb. 15th, 1862.

I purchased one of the Ohio Mowers, in the summer of 1860, and have now used it for two seasons with perfect satisfaction, and I think it the best machine I have ever seen.

I tried it in company with the Gale, Kirby and Wood machines, in the presence of a number of farmers of this vicinity; and they were unanimous in the opinion that the Ohio was the best machine. It particularly excels on rough and uneven ground, and I have never known the knife to clog in any kind of grass, wet or dry. G. VINCENT.

MESSRS. D. S. & Co.:

VERBANK, Dutchess Co., N. Y., Feb. 15th, 1862.

I have seen the Ohio Mower used considerably, and have attended several trials where it was used with other machines, and I think it decidedly the best. It cannot be beat on smooth ground, and for rough and uneven ground I think its equal cannot be found. The workmanship and the materials used in its construction are better than any other machine in market.

STEPHEN MANCHESTER.

MESSRS. D. S. & Co.:

MILO, Feb. 28th, 1862.

I have used one of your machines and was pleased with it; I purchased it of Mr. Van Deventer, one of your agents; I have seen several other machines used but not one that worked equal to yours in mowing. I have used my machine where the Manny machine, (Wood's improvement,) could not work, or the Kirby machine either; they would clog and would not cut. I could cut an acre per hour with a light team, without clogging, or anything of the kind, with my Ohio machine. I consider it the best in use.

ROWLAND J. GARDNER.

MESSRS. D. S. & Co.:

MILO, Feb. 28th, 1862.

I have used several different kinds of Mowers, and those that have given satisfaction to other men, but the Ohio Mower and Reaper does my work with ease. I could stop in the worst grass and start on a slow gait without clogging, and the work was done better than with any machine I ever used.

ISAIAH YOUNG.

MESSRS. D. S. & Co.:

DUNDEE, Yates Co., N. Y., Feb. 8th, 1862.

We have seen and used many Mowers and Reapers for the last ten years, and have no hesitation in saying that we think the Ohio machine the best of them all; we have one of your machines, purchased of your agents, in Penn Yann, Messrs. Van Deventer, and have run it with great success, and to our entire satisfaction; its adaptation to both reaping and mowing, the lightness of draft and the ease with which it is changed from reaper to mower, and the trifling expense of keeping it in repair, are considerations which should recommend it to the public as the best machine in use.

FOSTER, WATSON & BROTHER.

MESSRS. D. S. & Co.:

BARRINGTON, Yates Co., N. Y., Feb. 10th, 1862.

I purchased of Messrs. Van Deventer, your agents in Penn Yan, one of the Ohio Mowers and Reapers, and have used it in cutting my grass and grain; it worked to my entire satisfaction. I do not know of a machine that can cut grass equal to yours; it also does as good work cutting grain as any machine I ever saw, and I most cheerfully recommend it to my brother farmers.

LUMAN A. JONES.

P. S. I must not neglect to mention one thing more, and that is, I made it very useful in cutting my clover by merely making an apron to attach to the Mowing Bar, and letting the apron drag on the ground; it must be attached by a hinged joint, and it will work perfectly.

L. A. JONES.

MESSRS. D. S. & Co.:

Owégo, Tioga Co., N. Y., Feb. 14, 1862.

I have mowed about 35 acres the past season with an Ohio Mower which I bought of your Agents, Messrs. Storrs and Chatfield, and I assure you my most sanguine expectations have been more than realized. It is a complete piece of mechanism, working admirably in all its parts, performing equally well in all kinds of grass, wet and dry; and from personal observation and experience, I am free to say I have never seen its equal among the many with which I am acquainted. Among its good qualities I will name a few:—

First. Its ready mode of throwing out of gear. Second. Its drag-bar or shoe, runs perfectly steady over uneven ground. Third. The hinge in the back end of the shoe enables the guards to be thrown up, which makes them less liable to catch on an uneven surface. Fourth. The flexible cutter-bar conforms to the uneven surface of the ground without adding weight to the frame.

J. S. CARPENTER.

MESSRS. D. S. & Co. :

I purchased last year one of your Mowers and Reapers, and have mowed and reaped my entire crops. It has worked to my satisfaction, and far ahead of my expectations. I can hitch on to it and go into a ten acre lot with confidence, knowing that I can cut it without killing my team, or being delayed with wet grass clogging, &c., which is an objection to most all machines.

JAMES W. McMASTER.

MESSRS. D. S. & Co. :

SCHODACK LANDING, Feb. 13, 1862.

I think there is no machine in use equal to the Ohio Mower and Reaper. It is very durable and I like the spring seat and box attached for the driver, without danger of getting in any part of the gearing, safe for any boy to mow who can drive a pair of horses; the driver rides about as pleasantly over his meadows as if he were in his carriage. In the next place there is no weight on the horses' necks, no side draft, it is thrown in and out of gear with a small lever in front of the seat, and there is no machine adapted for rough and uneven ground that will equal the Ohio Mower, and none more durable, none that clogs less, and does the work that this will, no matter how slow or fast you drive. I have cut the past season 100 large loads of timothy grass, and after finishing my oats, cut 25 large loads of clover in my pasture lots, where the clover lay as bad as it could, having pastured 21 sheep and 41 cows there. I can stop in any place and start without backing. Nothing has given out in the machine except that I lost one bolt the first day; I had no other repairs of any kind, and see nothing that can give way for years to come, except in the natural wear, and I say it will stand the test with any machine in any spot or place. As for reaping, I think there is no better machine in use. There is no person that has examined the machine and seen it work, but speaks well of it; I am satisfied in my own mind that nothing can beat it. Last spring your agent called on me, hearing I wanted a machine, and I told him I should not buy till I was sure the article suited me; he insisted on sending me one to try, and told me if I would clog it in any kind of grass, wet or dry, he would make me a present of it. I have tried it to my satisfaction, and there is not \$200 in this State that would buy the Ohio machine of me, if I could not get another, and I dare say that any person would say the same after using one the length of time that I have.

JEREMIAH NIVER.

MESSRS. D. S. & Co. :

PARISHVILLE, Feb. 3d, 1862.

I have purchased and used an Ohio Mower, of your manufacture. I mowed a meadow where there were ditches, without any trouble. In another field which was very stout with white clover, it cut just as well. The grass would hang together like a sheep's fleece, and did not clog. I mowed a field for a neighbor where the ground was ploughed into beds about eight feet across, and it mowed better there than could have been done with a scythe. In all, I mowed about 70 acres, broke nothing, and was at no expense except for oil. I think that I saved 50 dollars by having a mower last season.— There are four different mowers besides mine within a mile of me, and all agree that mine is the best.

ISAAC E. PERKINS.

MESSRS. D. S. & Co. :

HOPKINTON, St. Lawrence Co., N. Y., Feb. 2d, 1862.

Having worked one of Ball's Patent Ohio Mowers in grass in all positions, we have found it capable of doing the work in the best possible manner, and would say that it is the most perfect machine in all respects that we have ever worked or seen, being light of draft, easily managed, and not at all liable to clog.

E. POST & SON.

MESSRS. D. S. & Co. :

BENTON, Yates Co., March 3d, 1862.

I purchased one of your Ohio Mowers and Reapers of Messrs. Van Deventer, your agents in Penn. Yan, and have worked it to my full satisfaction. The machine is as easily moved from field to field as a cart, which in my judgment, is a great improvement on the single wheel machines. Another advantage in your machine is that both wheels are driving wheels, thereby obviating all side draft perfectly; the arrangement of the lever I consider also a decided advantage, where there is an occasional stump or stone. I mowed all my grass and a good deal for my neighbors, and some of my mowing was on very rough and stony ground, and I found there was no such thing as clogging the machine.

D. H. WIRT.

MESSRS. D. S. & Co.: GROTON, Tompkins Co., N. Y., Feb. 17, 1862.
I take pleasure in assuring you of my entire satisfaction with the Ohio Mower, I purchased of your predecessors last year. From the time of seeing it exhibited with other machines at the Chicago Fair in 1859, I have given it my preference, as being well adapted to farmers' use. I bought a Combined Machine but cannot speak of the Reaper so confidently, not having yet tried it.
NELSON TRUMBLE.

MESSRS. D. S. & Co.: FORT COVINGTON, Franklin Co., N. Y., Feb. 4, 1862.
I used the Ohio Mower last season to cut 80 acres of grass, with the greatest satisfaction. I have used other machines, but none pleased me as well as this. I have not had to make any repairs, and it is worth not one shilling less for the work it has done. I think it will be durable.
GEORGE DEWEY.

MESSRS. D. S. & Co.: FREEDOM, Feb. 28th, 1862.
Having used one of your Combined Machines, I am prepared to say I cut about 160 acres of grass and grain, some of the grain being the heaviest I ever saw. There is no side draft to it, and though I have had several machines, I never had one before but that had some side draft. It will cut lodged as well as standing grass; is simple in construction, easy in draft, and the best machine in use. Hilly, rough, and even ground are alike to it.
HENRY GOODYEAR.

MESSRS. D. S. & Co.: SHARON, Feb. 21st, 1862.
Having used one of your machines, I am prepared to say that I have met with perfect success. I never before saw one that had no side draft. I consider it the best Combined Machine in use, for ease of draft, ease of management, simplicity of construction, and durability. Any one who can drive a team can manage it. I have been in trial with other machines and laid them up. I cut over 200 acres of grass and grain, and only paid out two dollars for repairs. It is capable of cutting from 18 to 25 acres of grain, and 10 to 15 acres of grass per day. I can with perfect confidence recommend the Ohio Mower and Reaper to the farming community.
E. B. MOREY.

MESSRS. D. S. & Co.: SHARON, Feb. 28th, 1862.
I have used your Ohio Machine to my entire satisfaction. I have used several kinds, but this is decidedly the best one I ever saw; there is not a particle of side draft, and is very light for a team, and it runs very smooth. It will cut from 18 to 25 acres of grain per day, and 10 to 14 acres of grass.
E. CONKLIN.

MESSRS. D. S. & Co.: GLEN COVE, L. I., Feb. 10th, 1862.
I have had one of the Ohio Mowers and Reapers the past season, and have found it to work well. It has cut over 50 acres of grass, and I think it will cut large heavy grass, wet or dry, with less draft than any one of the eight different machines I have seen work; and as a Reaper I think it better than any I have seen.
SILAS HOPKINS.

MESSRS. D. S. & Co.: GLEN COVE, L. I., Feb. 10, 1862.
I have used the Ohio Mower the past season with entire satisfaction, and I consider it one of the best now in use. I cut all my salt grass with it, and it worked first rate, cutting it entirely clean and smooth, and I would advise any one about to purchase a machine not to buy until they have seen the Ohio Mower.
CHAS. VALENTINE.

MESSRS. D. S. & Co.: OYSTER BAY, L. I., Feb. 4th, 1862.
I have used one of the Ohio Mowers, cutting 115 acres the past season. The year previous I used the Buckeye, and I must say I give the Ohio Mower a decided preference, and I consider it the most convenient machine I ever saw.
ALBERT S. BARTO.

MESSRS. D. S. & Co.: GLEN COVE, L. I., Feb. 10th, 1862.
I purchased the Ohio Mower and Reaper manufactured by you, of your Agents, Coles & Clowes, and tested it thoroughly in both capacities the past season; as a Combined Machine, I consider it superior to any with which I am acquainted, and quite equal as a Mower.
T. T. JACKSON.

MESSRS. D. S. & Co.:

SCIO, Washtenaw Co., Mich., Feb. 24th, 1862.

We have used Ball's Ohio Mower and Reaper through one season, (1861), and take pleasure in recommending it to the public. It is of very light draft, is easily kept in repair, is very durable, works equally well in light and heavy grain. For all kinds of land, especially rough and rolling, and adaptation to all kinds of work in grain or grass, we consider it superior to any machine now in use.

LUTHER PALMER,
S. W. HOLMES.

MESSRS. D. S. & Co.:

GRASS LAKE, Mich., Dec. 17, 1861.

This certifies that I bought one of Ball's Mowers and Reapers, manufactured by you, and used it to cut over 150 acres of grass and grain, without any expense for repairs, and I can recommend it to all intending to purchase a machine, feeling sure that it will give as full satisfaction to all who may try it, as it did to me.

JONATHAN F. BUSH.

MESSRS. D. S. & Co.:

DEXTER, Washtenaw Co., Mich., Feb. 26, 1862.

Last year I purchased an Ohio Mower and Reaper, Ball's patent, manufactured by you in Auburn, N. Y. I have used the same, and am well satisfied with it, and so far as my knowledge extends, (and I have considerable acquaintance with other machines) I believe there is none equal to it.

JOHN S. COY.

MESSRS. D. S. & Co.:

LEONI, Feb. 12th, 1862.

I used one of your Machines the past season and find it all it was said to be. I would cheerfully recommend it to the farming public.

D. H. LOCKWOOD.

MESSRS. D. S. & Co.:

DEXTER, Washtenaw Co., Mich., Nov. 12th, 1860.

I have used the past season the Ohio Mower and Reaper, Ball's Patent, purchased of one of your firm, Mr. I. A. Polhemus, and manufactured by you. It works to my entire satisfaction, both as a Mower and Reaper. I have used different machines, and as a Reaper I prefer it to any I know of.

N. A. PHELPS.

MESSRS. D. S. & Co.:

SCIO, Washtenaw Co., Mich.

I like my machine, the Ohio Mower and Reaper, purchased of your Agent, Mr. Polhemus, and manufactured by you; I like it well. It works to my entire satisfaction, both as a mower and a reaper, and I think it the best I have seen. I can cheerfully recommend it to any one who wants to buy a good machine.

LANSING WILBOUR, Sen.

I have used the above Machine, and have seen it work, and I cheerfully concur in the above statement.

LANSING WILBOUR, Jun.

MESSRS. D. S. & Co.:

SCIO, Washtenaw Co., Mich., Nov. 30th, 1860.

I like my machine, purchased of Mr. I. A. Polhemus, one of your firm, last summer, and manufactured by you; I can cheerfully say I like it first rate. I have used it on all kinds of lands, rough and smooth, and it works to my entire satisfaction; I have used it on the marsh and I can mow just as well on up land, and it will cut just as well when the horses walk slow as fast. I have tried other machines, but never found one to suit me until I saw this work, and I can very cheerfully say to any one who wants to buy a machine, that they had better try the Ohio Mower and Reaper, E. Ball's Patent, before they purchase any other.

Yours truly, JACOB JEDELE.

MESSRS. D. S. & Co.:

SCIO, Washtenaw Co., Mich., Nov. 28th, 1861.

After having used the past season, one of the Ohio Combined Reaper and Mower purchased of your Agent, Mr. Polhemus, of Ann Arbor, I can say that I believe they are the best machines now in use. I have paid considerable attention to the several different kinds of machines used in this section. I have used the mower on ground so rough that I thought it impossible to use any machine, but it worked like a charm; its draught is easy, and it does its work well. I then tried it in reaping wheat that was lodged down as badly as it could be; I could not believe before I commenced that it would work, but I was happily disappointed, for it worked well, did its work clean, cut smooth with as slow speed as the team could be driven. It is portable, very compact, and durable. In fact, combines more good qualities than any machine I ever saw used. I could set forth the advantages of your machine over others, but I think it of little use, for the machine will speak for itself to all that wish to examine it.

BENJ. W. WAITE.

MESSRS. D. S. & Co.:

HYDE PARK, Wabasha Co., Minn., Jan. 21st, 1862.

Having witnessed a trial of your Ohio Machine, I can truthfully say, that in my judgment there is no other of the kind in our country that can compete with it.

ISAAC YORK.

MESSRS. D. S. & Co.:

HYDE PARK, Wabasha Co., Minn., Feb. 10th, 1862.

Having purchased one of your machines, the Ohio Mower and Reaper, I find it far superior to any machine in use here. For lightness of draft it excels all others; I can cut 12 acres of grain or grass per day, with one span of horses.

JOHN DISNEY.

MESSRS. D. S. & Co.:

HYDE PARK, Wabashaw Co., Minn., Dec., 1861.

I was induced to purchase one of the Ohio Mowers and Reapers, through the recommendation of your Agent, B. Doty. Having tested its qualities both as a Mower and a Reaper, I can say that it has no equal in this section. I am fully satisfied with it.

GEORGE ROBERTS.

MESSRS. D. S. & Co.:

HYDE PARK, Wabashaw Co., Minn., Feb. 9th, 1862.

Having given one of your Machines a fair trial on our prairie land, I can say that I consider it superior to any other machine now in use in this country.

LEWIS WHALEY.

MESSRS. D. S. & Co.:

GIFFORD, Wabashaw Co., Minn., Feb. 19th, 1862.

Your Ohio Combined Mower and Reaper outstrips anything of the kind in use in our section of country. As a Reaper it has the advantage in lightness of draft, and extra width of cut—as a Mower nothing can compete with it in our prairie grass.

E. A. BOWEN.

MESSRS. D. S. & Co.:

NANUET, Rockland Co., N. Y., March 16, 1862.

I bought one of your Ohio Mowers of Hutton Brothers of this place, and used it the past season; my ground was not previously prepared, there were some lumps and stones, the ground not having been rolled, but it did the work well, and last of all I went with the machine in a piece of meadow where there were a great many bogs, and cut more and better in three hours than four men would have cut in a full half day with scythes.

I know very little of the other Mowers, but yours does the work exceedingly well, far better than I thought could be done by any machine, and further, the draft is not heavy, being about like ordinary cross plowing.

C. A. DEBAUN.

MESSRS. D. S. & Co.:

SUFFERNS, N. Y., Feb. 27th, 1862.

The Ohio Mower stands A No. 1 in my town; there are many other kinds here, but none equal it, either in durability or execution of work. For beauty and ingenuity of workmanship, ease of draft, and the control in which the machine is constantly held, it is unsurpassed. The position of the driver is as comfortable as though seated in a buggy. The joint arrangement of the finger bar to the undulations of the ground, is the best I ever saw, and it is, in my judgment, without an equal.

CHAS. E. SUFFERN.

MESSRS. D. S. & Co.:

ROCKLAND LAKE, Rockland Co., N. Y.

I consider the Ohio Mower the most perfect machine yet produced; my fears were that I should not be able to use it on account of the rough and unprepared condition of my land; in this I have been agreeably disappointed, having completed my hay harvest in its use upon rough, stony fields, without the slightest accident, or having occasion to use the duplicate knives.

WILLIAM HUTCHINSON.

MESSRS. D. S. & Co.:

CLARKETOWN, Rockland Co., N. Y., Feb. 19, 1862.

The Ohio Mower I bought of your agents, Messrs. Hutton Brothers, is far better than I expected; my land had not been prepared for a Mower. I am pleased to say I had no expense for repairs on the "Ohio." Before purchasing the Ohio Mower, I saw another mower a few days, which had been highly recommended, but it would not stand on my ground, breaking frequently. I would advise all in want of a good mower to get the Ohio; I have seen the most popular mowers in use in this county, and believe this superior to all of them.

ISAAC I. MABIE.

MESSRS. D. S. & Co.:

NYACK, Rockland Co., N. Y., March 1st, 1862.

I purchased last spring one of your Ohio Mowers of Hutton Brothers, and cut not only my grass with it, but sods and stones also. Seriously, the machine performed admirably, operating without difficulty upon fields so uneven and stony, that I thought before trying, it would be impossible to use it upon them. I know nothing of other machines, but consider this one *good enough*.

M. C. HASBROUCK, M. D.

MESSRS. D. S. & Co.:

CONQUEST, Cayuga Co., N. Y., March 17, 1862.

I purchased one of the Ohio Mowers and Reapers last year, and think it can't be beat, either on rough or smooth ground, or for grass or grain. It is nothing but diversion to use it. I have had four different machines on my farm, and I think it far superior to all. I would advise all those wishing to purchase a machine the coming season, to witness a trial of the Ohio before purchasing elsewhere. *We* think it works to perfection.

JOSEPH SLAYTON.

MESSRS. D. S. & Co.:

UNION SPRINGS, Cayuga Co., N. Y., 3rd month, 11th, 1862.

I used your improved Ohio Mower and Reaper, Ball's patent, last season, cutting over 150 acres of grass and grain with it. In the year 1851, I commenced with the "Hussey six foot Reaper," and in 1852, with the Ketchum Mower, and by these was simply convinced of the advantage, and I may say necessity to the farmer, of such machinery.— Since then I have owned several machines, all having their advantages, but have not tried or seen any that can mow *under all circumstances* as well as yours; and as a Reaper I should judge it was as good as any.

ROBERT B. HOWLAND.

MESSRS. D. S. & Co.:

GRASS LAKE, Mich., Feb. 14th, 1862.

I have bought and used one of your Ohio Mowers and Reapers, and I could not find any fault with it, but on the contrary found it easy of draft, so that one pair of common horses can work it with ease. I would recommend it to those intending to purchase this season.

A. N. SPAULDING.

MESSRS. D. S. & Co.:

FREDONIA, Chautauque Co., N. Y., Feb. 16, 1862.

I have had much experience in mowing machines, and have cut upwards of 100 acres of grass with the old Ketchum machine, for the past seven or eight years; I have tested the qualities of several machines, among them the Ohio Mower, manufactured by you, and have found it to be strong, durable, light of draft, and convenient to move from place to place, and it does its work in the best manner. It works well on rough ground, and I consider it superior to any now in use, and I cheerfully recommend it to any one wishing to purchase.

ERASTUS HOLT.

MESSRS. D. S. & Co.:

FREDONIA, Chautauque Co., N. Y., Feb. 20, 1862.

I purchased one of the Ohio Mowers last season, and the machine fully answered my expectations in regard to lightness of draft, facility, and neatness of work, both in heavy and light grass, and on rough and smooth ground. I have tested its strength, and can cheerfully recommend it to any one wishing to purchase.

D. B. ADAMS.

MESSRS. D. S. & Co.:

FREDONIA, Chautauque Co., Feb., 1862.

We have watched the operation of the Ohio Mower the past season, and tested its qualities, and we believe it superior to any now in use, and cheerfully recommend it to any one intending to purchase a mower.

ALFRED FRY,

ISAAC W. HAMPSTED,

LUTHER DERBY.

MESSRS. D. S. & Co.:

FREDONIA, Chautauque Co., N. Y., Feb., 1862.

I have used the Ohio Mower for cutting upwards of 50 acres of grass, have thoroughly tested it, and consider it superior to any other. It is easy of draft, strong and durable, and well calculated to please the farmer.

BISHOP ADAMS.

MESSRS. D. S. & Co.:

FRANKLIN, Del. Co., N. Y., Feb. 26, 1862.

I have used the large "Buckeye Mower" for the last three seasons, and it worked so satisfactorily, that I thought there was no other machine its equal. I met with Ball's "Ohio Mower" in the hands of the agents here, and expressed a wish to try it, or see it

used; to my surprise at the last part of the haying the agent brought the Mower to my field, and I mowed about five acres, giving it a good thorough trial; found it strong and durable. Mr. Ball has made a special improvement in the location of the cutter bar, so that in turning the corners it is much easier for the team and the driver, and has so constructed the gearing that it is easier for the team. It is my conviction that the farmers will find their money more judiciously expended in buying the large and strong machines, than those of lighter, cheaper make.

JAMES RUTHERFORD.

MESSRS. D. S. & Co.:

SPRING HILL, Bradford Co., Pa., Feb., 1862.

I bought one of your Ohio Mowers, of Coddling & Russell, at Towanda, Pa. Before I made my purchase, I examined all the various machines in use in this vicinity; while attending the State Fair at Elmira, I saw one of your machines, and became convinced that it was the best for mowing, and I have had no occasion to change my first impression. It has proved durable, of very light draft, and easily managed on rough ground. I mowed over 80 acres last season, easily cutting from 6 to 10 acres per day, some of it being on very uneven and stony ground.

HIRAM TAYLOR.

MESSRS. D. S. & Co.:

KELLOGGSVILLE, N. Y., March 12.

After making a thorough trial of your Combined Mower and Reaper, we believe it to be the most durable and best constructed Machine now in use; for mowing on uneven ground, and in lodged clover when very wet, and for ease of management we think it unequalled.

C. & H. LOYSTER.

MESSRS. D. S. & Co.:

SOUTH BYRON, N. Y., Jan. 31, 1862.

I have one of your Ball's patent Ohio Mowers and Reapers, which I have used for two seasons, and I think they are the best machine that I have ever seen in use; they are of light draft, easy for the team, and do their work well, both reaping and mowing. They are well made and durable. I have cut 150 acres a year with mine, and it is nearly as good as it was when I took it, and I have been at very little expense.

ERASTUS CASH.

MESSRS. D. S. & Co.:

BATAVIA, N. Y., Feb. 3d, 1862.

I have used a number of different kinds of machines, among them one of the Ohio Mowers and Reapers, for the past two seasons, and think it the best machine I have ever used. On good ground a team will work it with ease, no matter how heavy the grain or grass may be.

WARREN PUTNAM.

MESSRS. D. S. & Co.:

KINGS FERRY P. O., N. Y., March 12, 1862.

I have used on my farm the last season, an Ohio Mower and Reaper. It proved all it was recommended to be, and gave entire satisfaction.

M. D. KING.

MESSRS. D. S. & Co.:

BATAVIA, N. Y., 3d month, 1862.

Having worn out a Ketchum mowing machine on my farm last season, I purchased an Ohio Mower, and can now say that for perfection in cutting, durability of machine and lightness of draft, it is all that need be desired. The flexible cutting bar and two driving wheels are a great improvement.

JOSEPH HESTON.

MESSRS. D. S. & Co.:

GRAND ISLE, Grand Isle Co., Vt., Feb. 10, 1862.

I think your Ohio Mower and Reaper is the best Combined Machine in use; it is simple in its construction, light of draft, and durable in all its points. I used mine last season to cut upwards of 90 acres of grain and grass, used it on some very wet land, have mowed through low places where the water was four inches deep, and over stone heaps and stumps, and it makes no difference where you put it, if it is only right side up, it will do its work well, and as to clogging, I think it cannot be done. I feel safe in recommending your Machine to the public as being an excellent one, and if I was going to buy another machine I should not look any further for a better one, as I should think it would be time spent to no purpose.

W. C. HOAG.

MESSRS. D. S. & Co.:

GRAND ISLE, Grand Isle Co., Vt., Feb. 16, 1862.

I bought last season one of your Ohio combined machines on trial, and I must say that having put it to a fair test, I felt myself not only obligated, but perfectly willing to

keep the machine. You warranted it to cut an acre an hour; now I confess I did not believe it would do this, but my unbelief has been wonderfully helped; I *know* now that it will. In short, I will say that the Ohio Mower and Reaper is the easiest Machine to manage both for man and beast, that I ever saw. If I were to buy a hundred machines, this would be the kind; but no man will need that number, as one will do all the work he wants.

IBRI E. MINCKLER.

MESSRS. D. S. & Co.:

GRAND ISLE, Grand Isle Co., Vt., Feb. 10, 1862.

I have used your Ohio Mower and Reaper the past season, and it has given me much satisfaction. It is the best Combined Machine I have ever seen. The draft is light, and it will adapt itself to uneven surfaces much better than any other.

HENRY W. HOAG.

MESSRS. D. S. & Co.:

GRAND ISLE, Grand Isle Co., Vt., Feb. 11, 1862.

I had the satisfaction, last season, through the courtesy of your agent here, Wyman Hoag, of using one of your Mowing Machines, and I found it to exceed my most sanguine expectations. I had previously imagined that Mowers and Reapers were only adapted to the level prairies of the West, where a man could mount one, and drive straight ahead for three or four hours—ground perfectly level, grass all alike—and this, notwithstanding the great feats that have been recorded of them. But I found I had “reckoned without my host.” I put it on to one of the most unfavorable pieces of ground imaginable, knolls, ditches, ant-hills, old sunken stone piles, stationary hard heads, wet and dry ground, thick matted bottom on the wet, and light June grass on the dry ground, and I found it competent to the severe test. I am now thoroughly convinced that a small farmer of the East can as well afford to have a Mowing Machine, as a roller or a grindstone; and if he buys any other Mower than yours, it is because he is prejudiced, or is an ignoramus, as I was previous to using it. They are the *Ne Plus Ultra* Machine in my opinion.

SETH GRIFFITH.

MESSRS. D. S. & Co.:

SOMERS, Kenosha Co., Wis.

I purchased one of your Combined Machines last season, and I have tried it in places calculated to test the merits of any Machine. I cut more than one hundred and fifty acres of grain, and one hundred acres of grass, with this Machine and a small pair of horses, during last season; I can cut grass on the roughest ground better than it can be cut by hand, and it makes no difference which way the wind blows, or which way the grass is lodged. It will cut without a Reel, and it is the lightest Machine for a team to handle I ever saw. It works just as well in grain as in grass, and it has no side draft. If I could not get another Machine like this, I would not take double what it cost me.

JAMES H. TALCOTT.

MESSRS. D. S. & Co.:

KENOSHA, Wis., Jan. 7, 1862.

The Ohio Machine, Ball's patent, that I purchased of you, I have tried to my entire satisfaction; and can safely say that for the lightness of its draft, compactness of form, its convenience of transportation, and its adjustability to the uneven surface of the ground, and many other good qualities, the Ohio Machine cannot be excelled. I have used it under circumstances calculated to test its merits, and I find it does its work alike satisfactory in grass or grain, and just as well on rough or uneven ground. I harvested last year one hundred and seventy acres of wheat with this Machine, and I think there was not a single instance of its clogging, even when the grain was wet. I am very highly pleased with it, and it is only necessary for the skeptical to see it work to be convinced of its superior merits. I cheerfully recommend the Machine as one of the best I have ever seen.

I. L. NEWMAN.

MESSRS. D. S. & Co.:

PARIS, Kenosha Co., Wis., Feb., 1862.

I purchased one of your Mowers of your agent, at Kenosha, last season, and I have found it to work admirably. I consider it superior to any machine now in use, as it is of very light draft, runs true, cuts clean, and is very easily managed. The easy and safe mode by which the finger bar is raised, and secured perpendicularly, when passing from field to field, together with the facilities for raising the finger bar to pass over obstacles, as well as many other of its excellencies over other Machines, goes to convince me that it is, in all respects, the model machine. I have used almost every kind of

machine that has been brought into this State, and I can say that I never have found one that suited me as well as yours. At the time your agent brought out your machine, I had one of McCormick's on trial; and to test which was the best one, we put them side by side, and I was convinced that your machine would draw one-half lighter than McCormick's. Indeed, so light was the draft, that two men drew it, when in gear, with perfect ease, in good stout grass.

E. O. DUNNING.

MESSRS. D. S. & Co.:

NEW BRUNSWICK, N. J., Feb. 8, 1862.

Having purchased one of your Machines of your agent, Mr. Peter Stevenson, I would hereby certify that I think it the best machine in use, it giving perfect satisfaction in every respect, both as a Mower and Reaper.

JOHN O'NEIL.

MESSRS. D. S. & Co.:

MIDDLETON POINT, N. J., Feb. 7, 1862.

I purchased one of your Machines last summer, of your agent, Mr. P. Stevenson; I reaped about 50 acres of grain, and it gave me perfect satisfaction; the work was done with one span of horses, and cut from ten to fifteen acres per day with ease. I cut about 40 acres of grass, and think it the most perfect machine I ever saw, both to reap and mow.

LEWIS W. BROWN.

MESSRS. D. S. & Co.:

NEW BRUNSWICK, N. J., Feb. 14, 1862.

Your agent, Mr. P. Stevenson, sold me an Ohio Mower and Reaper, and I do hereby certify that I think it the best machine in use at the present time, and also the best finished machine.

JOHN S. OUTCALT.

MESSRS. D. S. & Co.:

KINGSTON, N. J., Feb. 7, 1862.

I take this opportunity to inform you that the Ohio Mower and Reaper that I purchased of Mr. P. Stevenson, gives entire satisfaction; on uneven ground there is no machine that can beat it. As a Reaper, it works easy for the team, and it is not hard to throw off the sheaves.

JOHN S. CRUSER.

MESSRS. D. S. & Co.:

N. J., April 10, 1861.

I take great pleasure in saying that the Ohio Mowing Machine I purchased of you, works to my entire satisfaction. I find no difficulty in cutting any kind of grass whatever, or in any condition. I do, with much confidence, recommend it to any one in want of a good machine.

Yours, &c.,

GARRET HOPPER.

MESSRS. D. S. & Co.:

This is to certify that the Ohio Mower I purchased of you last season, is just what you recommended it—one of the most complete machines in use. For good work and light draft, it surpasses any machine I have ever seen work.

Yours, truly,

SAM'L DEGROOT.

MESSRS. D. S. & Co.:

I take pleasure in sending you my testimonial to the excellence of your Machine. When I came to Hackensack, I intended to buy a Buckeye machine, but hearing of your Ohio Mower, I was induced to take a look at it, and at first sight I was so favorably impressed with it, that I bought it without looking for any other, and I am so well pleased with it that I am willing to mow against any machine in use, in any kind of grass, and for any amount of money.

Yours, &c.,

JAMES CADMUS.

MESSRS. D. S. & Co.:

NEW JERSEY, May 28, 1861.

All I have to say about the Ohio Mower and Reaper is, it is the very best machine in the world, in my opinion. I can say everything in its favor, and nothing against it.

Yours, &c.,

JAMES FERDON.

MESSRS. D. S. & Co.:

The Ohio Mower I purchased from you last season, I am entirely satisfied with. I mowed over thirty acres with it, most of it rough and uneven. I consider the Ohio Machine the best in use.

Respectfully yours,

JOSEPH B. MILLER.

MESSRS. D. S. & Co.:

Of all Machines for uneven ground, and working over stones and stumps, I found it to excel any I have ever seen.

Yours,

GARRET EDSALL.

MESSRS. D. S. & Co.:

RAHWAY, N. J., Jan. 3, 1861.

I have used your Ohio Mower during the last summer, and find it fulfils your recommendations in every particular. I have examined a great many machines, and never saw any that suited me so well. In fact, I am perfectly satisfied with it, and would recommend any farmer who wants a good machine to get the Ohio Mower.

E. WILCOX.

MESSRS. D. S. & Co.:

RAHWAY, N. J., Jan. 20, 1862.

I have examined and used a great number of machines for the last seven years, and finally decided to get one of the Ohio last year; I found it to work to my entire satisfaction. It is easy of draft, and there is no weight on the tongue, thereby not worrying the horses in the least. I saw it at a trial of fourteen different machines, and in my opinion the Ohio beat them all. This induced me to get it, and I have cut between 30 and 40 acres of grass, and have not had the least thing get out of order. I would certainly recommend to all farmers who want a good machine, to get one of these.

DAVID H. NOE.

MESSRS. D. S. & Co.:

RAHWAY, N. J., Feb. 4, 1862.

Last year I purchased one of your Ohio Mowers, and I find myself entirely satisfied with it. I find the machine of very light draft, and free from side draft. I think it the strongest and most durable machine I have ever seen, and not liable to get out of repair. Another great feature of the Ohio Mower is the utter impossibility of clogging it in wet grass, which is the trouble with other Mowers that I have seen; I have never clogged mine during the whole season. Any person wishing to get a Mower, would do well to purchase one of your machines.

WM. ROSS.

MESSRS. D. S. & Co.:

WOODBIDGE, N. J., Feb. 3, 1862.

The Ohio Mower which I purchased of your agent, Mr. John Florence, I am very well pleased with. I have mowed some eighty acres of grass, and reaped about 15 acres of grain. Without any prejudice or interest, I am free to say that the Ohio Mower is ahead of anything I have yet seen in the way of a Mower and Reaper. I am satisfied that it will cut in any kind of grass, wet or dry, without clogging, and whether the wind blows or not.

CORNELIUS D. PRALL.

MESSRS. D. S. & Co.:

WESTFIELD, N. J., Feb. 3, 1861.

I have used one of your Ohio Mowers and Reapers the last season, and I think they are a good machine, both as a Mower and Reaper.

THOMAS T. LITTELL.

NOTICES OF THE PRESS.

From the Springfield Republic.

Reaper and Mower Trial.

A trial of Reapers and Mowers occurred near Chillicothe, O., on the 18th ult., at which there were twenty-two entries in all; and the judges professed to find great difficulty in making their awards, for all were very good machines, and did their work admirably. Finally, they submitted the following awards: "*Reapers*: New York Hand Raker, 1st premium; Iron Harvester, 2d premium. *Combined Reaper and Mower*: Iron Harvester, 1st premium; Buckeye State, 2d premium. *Mowers*: E. Ball's Ohio Mower, 1st premium; Miller & Aultman's Buckeye Mower, 2d premium. The Committee would add, that all the machines on the ground were creditable to the manufacturers, and that farmers would not go far astray in purchasing either of them, *particularly Whitley's Combined, and the New York Combined.*" We italicize that in the language of the judge, which will be universally taken as the best of their award. Our manufacturers—Whitley, Fassler & Kelly, and Warder, Brokaw & Child—may safely claim a victory in that trial. Ball's machine was entered only as a Mower.

Account of the Trial of Reapers at Dewitt, Iowa.

There was a great Reaper trial came off on Tuesday, July 3d, 1860, on the farm of Justice Nickery, about three miles north of Dewitt. The Reapers entered for trial were these:

- Badger State Reaper and Mower Combined, entered by Speare & Gilmore;
- Kirby's American Harvester, entered by S. D. Stillman;
- E. Ball's Ohio Reaper and Mower Combined, entered by C. C. Johnson, and
- Geo. Esterly's Self-Raker, entered by W. R. Ward.

At 10 1-2 o'clock their agents announced themselves ready for a trial. There was a large number of farmers, and from the crowd were chosen a committee of five of our most practical farmers; the following are their names: John Wallace, James Vance, H. A. Hart, Robert L. Smith, and Nicholas Walrod. The Judges chose Wm. Ferguson, Secretary. They then measured off an acre for each machine to cut, and gave the word to start, saying that the test would be the best time and quality of work. The machines started, and great was the excitement for a short time; each agent looked well to his machine, watching every motion, and seemingly every click of the sickle. All of the machines did good work, and our farmers could not be badly cheated in purchasing any one of them; but in less than three-fourths of an hour from the time of starting, the judges were ready to report, which was as follows:

- Badger State cut one acre in 33 minutes;
- Kirby's American, 41 minutes;
- E. Ball's Ohio Reaper, 35 minutes;
- George Esterly's Self-Raker, 44 minutes.

The Judges gave E. Ball's the first premium in time, it beating all others three minutes. Other Reapers had promised to be present, but did not make their appearance—we know not why. We understand that Mr. Johnson made ready sale of two of Ball's Reapers on the ground.

WM. FERGUSON, Secretary.

From the Urbana Citizen and Gazette.

Trial of Reapers and Mowers.

We attended the trial of Reapers and Mowers which came off on Tuesday last, on the farm of Mr. A. Herr, Jr., four miles north of this place. When we reached the ground,

about 10 o'clock, we found a large crowd of people in attendance, and the number continued to increase during the day, until we think we are safe in saying it reached between four and five hundred. There were some twelve or fifteen machines on the ground, all equipped for the contest, and the most lively interest was manifested in the result.

The trial took place in a field of barley. Three self-rakers—Dorsey's, Whitely's and Kirby's entered the field first. Whitely's carried off the palm as a self-raker.

The Hand Rakers next entered the field. All the machines did their best, with perhaps an exception or two, all did their work well. The Committee are of the opinion that Ball's machine did the best work, and is entitled to the preference, as a combined machine.

The Committee report that the contest between the Combined Hand Raking machines was spirited, all the machines cutting well. We think, however, that Ball's machine, having done the best work as a Mower, is entitled to the preference as a combined machine.

MATHEW MASON,
J. C. V. TAYLOR,
JACOB HOOLY,
WM. B. GEST,
JAMES DOWNEY,
SAMUEL ROPP,
DIXON MITCHELL,
J. S. WILSON,
DANIEL SNYDER,
Committee.

From the Jonesville Independent.

Reaping Machine Trial.

The trial of Reaping Machines took place on Friday last, at J. W. TenEyck's, in Litchfield. Only four of the machines attending the trial as mowers on the 9th ultimo, were represented, viz:—Ball's, Kirby's, Reiley's, and the Buckeye. Another, the Mully, J. M. Smith, Litchfield, agent, was allowed to exhibit but not to compete, as it had not been tested as a Mower.

Each machine cut about three-fourths of an acre, and all did the work in a commendable manner, save two or three slight interruptions.

The Committee, at the conclusion, reported through Judge Stoddard, their Chairman, about as follows:—They had experienced considerable difficulty in determining the preference, there were so many circumstances to be taken into account, the difference in ground and in grass, the experience of the operators, and the condition of the respective machines. In mowing, the Kirby, Manny and Buckeye of Jackson did well; the Buckeye of Constantine extremely well; of the Reiley and Allen, they could not say much; but they accorded the preference to the Ball machine. In reaping, the Reiley and Mully did tolerable work, the Kirby did better, but the Buckeye and Ball were ahead in their estimation, and between them as reapers they confessed themselves unable to decide. And so they had concluded to leave it just there.

It is our opinion that the Ball gave the most satisfaction to a majority of those witnessing the work. The "gavels" seemed to be in better shape, and certainly lay in more convenient position for binding. The grain in the case of all the machines, we think, was gathered cleaner than is usually the case with the cradle.

From the Jonesville Independent of June 14, 1860.

Great Mowing Machine Trial.

The grand trial of the virtues of the various Combined Reapers and Mowers as Mowers took place, according to our announcement two weeks since, on the farm of J. W. Ten Eyck, in Litchfield, on Saturday last. The trial was one of the most thorough ever had in this State, and its results, so far as they may be actually ascertained, are of great importance to the farming public.

Seven different machines were entered to compete, inclusive of two of the Buckeye pattern made at different shops, and somewhat different in construction. The place selected for the trial was a luxuriant clover field, which had been pastured a few days, and the grass had been considerably trodden and twisted under foot. This was considered just the thing for the trial, as it is not doubted that any of the leading machines can do good work under the most favorable circumstances. Certain equal portions of the field were staked off and numbered, the different machines drawing for their portions, so that no partiality could be alleged in this respect.

The Committee, Judge Stoddard, of Jonesville, Wm. Stoddard, of Litchfield, and R. Fogg, of Scipio, were on the ground, but before commencing operations it was agreed by all interested that as the machines were all to be tested as *combined* machines, no decision should be published by the Judges until a trial should be had of their capacities as Reapers. It is, therefore, determined at an early period to have a trial in a wheat field, of which as wide notice will be given as is possible.

The following are the machines competing:

Manny's, Ball's Improved, Reiley's, Kirby's, Buckeye, manufactured by T. Mitchell & Co., Constantine; Buckeye, manufactured by Waters, Lathrop & Ludington, Jackson; Allen's.

As the report of the Committee is not to be made or published until after a trial as Reapers, we must not be too forward in expressing the judgment of our reporter, biased as he may probably be like all other men in his feelings. He took full notes, however, and despite his inherent modesty in placing his opinions before the public, he feels bound to say that all the machines on exhibition did their work well, and thinks any farmer who wishes a machine for the present haying season, can hardly fail to get the worth of his money by taking any one of the six patents exhibited. Each has its admirers, and each its points of merit over others. The old and favorite Manny's came out first in time in cutting its section, is simple in construction, and in point of cheapness, earnestly commends itself to regard; Reiley's, though apparently cumbersome, cuts the same width of swath as the Manny, and the driver said it could be drawn by a very light team all day without fatigue; the Buckeye did fair work, and the Kirby justified its former reputation as a go-ahead and easily managed machine; but, taking all into consideration, the Ball machine seemed to attract the most attention, and won more complimentary expressions than any other single machine on the ground. There is no mistake that the Ball Combined Reaper and Mower is a decided success, and if its work as a Reaper compares favorably with its work on Saturday last, its merits will have to be conceded.

PATENT CLAIMS.

To Ephraim Ball, of Canton, Ohio, for an improvement in Mowing Machines. Patented Dec. 1, 1857: Re-issued Sept. 27, 1859, and July 17, 1860.

I claim, first, Hinging the right end of the coupling arm, B, to the lugs, R, R, in combination with curving up the coupling arm, as it extends towards the machine, substantially as shown and set forth.

Second. I claim the combination of the shoe or brace-bar, which supports the heel of the finger beam with the hinge by which it is drawn, arranged above the plane of the cutter, and in advance of the heel of the finger beam, substantially as set forth.

Third. I claim connecting the coupling arm to the shoe by a hinge, whose axis of motion is on a line with that of the draft hinge of the finger beam, in combination with so arranging said hinges as respects the main frame, as that the strain due to the draft or drawing of the finger beam forward, will be borne by one end of the main frame, and on one side of the axis of the driving and bearing wheels, while the lateral strain through the coupling arm will be borne by the other end of the main frame, and on the other side of the axis of the driving and bearing wheels.

To Ephraim Ball, of Canton, Ohio, for an improvement in Mowing Machines. Patented Dec. 1, 1857: Re-issued Sept. 27, 1859, and July 17, 1860.

I claim the combination in a Mowing machine of the following elements, viz., the rigid tongue to draw and steady the machine by a frame to support and carry the driving and gearing, two independent driving and bearing or supporting wheels, to carry the frame and give motion to the cutters, and a short finger beam so hinged to the main frame, that its progressive movement over the ground will be controlled by the main frame, and the upward and downward movements of the entire finger beam, or of either end thereof, independently of the other, by the undulations of the ground over which it is drawn.

To Ephraim Ball, of Canton, Ohio, for an improvement in Mowing Machines. Patented Dec. 1, 1857: Re-issued Sept. 27, 1859, and July 17, 1860.

I claim, first, The combination of the finger beam and the main frame with a single yielding brace bar, or shoe, whereby the progressive movement of the finger beam over the ground will be controlled by the main frame and the free upward and downward movements of the entire finger beam, or of either end, independently of the other, and of the up and down movements of the main frame, by the undulations of the ground over which it is drawn, substantially as set forth.

Second. I claim the combination of a yield brace bar or shoe, Q, and a yielding coupling arm, R, with the main frame, substantially as set forth.

Third. I claim the combination of the short finger beam with the yielding connection with the main frame, substantially as set forth.

To Ephraim Ball, of Canton, Ohio, for an improvement in Mowing Machines. Patented Dec. 1, 1857: Re-issued Sept. 27, 1859, and July 17, 1860.

I claim, first. The combination of the main frame of a Mowing machine, of two independent driving wheels and a hinged cutting apparatus, whereby the cutters are kept

in operation when the machine is turned either to the right or left, while the cutting apparatus, (or either end thereof,) is free to conform to the inequalities of the ground, independently of the up and down motions of the main frame, substantially as set forth.

Second. I claim hinging one end of the coupling, R, to lugs on the shoe, which supports the heel of the finger beam and cutter bar, in combination with hinging the other end on a line with the longitudinal center of the crank shaft, which operates the pitman and cutter, substantially as set forth.

Third. I claim the combination of the heel of the finger beam, P, and one end of the coupling arm, R, with a strong metallic draft shoe, substantially as set forth.

Fourth. I claim so hinging the shoe which supports the heel of the finger beam to the main frame, as that it will permit the heel of the finger beam, to which it is rigidly attached, to move freely in the arc of a circle, as it rises and falls, so as not to cramp or bind the joints of the coupling arm, R, or its equivalent, substantially as set forth.

Fifth. I claim the combination of the finger beam with the main frame, whereby the finger beam can be raised and turned over above the main frame, with its weight resting either in front or in rear of the axis of the main supporting wheels, substantially as and for the purposes set forth.

Sixth. I claim so hinging the finger beam to the main frame, as that the main frame shall be nearly balanced laterally, when the finger beam is folded up thereupon, substantially as set forth.

Seventh. I claim so hinging the finger beam to the main frame, as that it can be folded under the main frame, substantially as and for the purposes set forth.

Eighth. I claim the combination of the finger beam with the main frame, so that the finger beam can either be folded over or under the main frame, substantially as set forth.

Ninth. I claim the combination of the following elements in a shoe, or metallic device for supporting the heel of the finger beam, viz: A curved surface to run upon the ground like a runner; a recess, or arrangement of parts, whereby the heel of the finger beam will have a rigid metallic support in front, on the bottom and in rear; a suitable groove for the heel of the cutter bar and inner cutter to play in; two metallic lugs on the side next to the main frame, between which to hinge a coupling arm, all combined in one rigid and permanent shoe device.

Tenth. I claim the combination of the following elements in a metallic shoe, for supporting the outer end of the finger beam, viz: A curved surface to run upon the ground like a runner; a recess for the outer end of the finger beam, whereby it can be bolted to the shoe, so as to have a rigid support in front, on the bottom, and in the rear; a groove for the outer end of the cutter bar and outer cutter to work through; and two lugs in the rear, said elements being combined and arranged in relation to each other, substantially as shown and described.

To Ephraim Ball, October 18th, 1859.

I claim the hinged plate, G, constructed as shown and specified, in combination with the finger bar, D, and brace plate, D, substantially as described.

Second. I claim the combination of the coupling, T, (swiveled only at the point of connection with the main frame,) in combination with hinged plate, G, hinged brace plate, E, and guide piece, F, substantially as set forth.

Third. I claim the guide piece, F, in combination with the brace rod, q, hinged plate, G, brace plate, E, coupling arm, t, and chain, v, substantially as described.

Fourth. I claim the combination and relative arrangement of spur, K, with coupling arm, t, and pitman, K, as and for the purposes set forth.

Fifth. I claim the combination of the hinged plate, G, and adjusting screw, S, with the slotted guide piece, F, hinged brace plate, E, and chain, b, arranged as and for the purposes set forth.

To Ephraim Ball, Canton, Ohio, for an improvement in Mowing Machines. Patented Dec. 1, 1857: Re-issued Sept. 27, 1859, and July 17, 1860.

I claim, first, Extending and hinging the coupling arm, R, to the shoe which supports the heel of the finger beam, outside of the frame, in combination with the draft hinge

of the shoe, also outside of the main frame, whereby the finger beams and cutting apparatus can be first raised up bodily, until the coupling arm strikes against the under side of the frame, and then the outer end thereof turned towards the frame, substantially as set forth.

Second. I claim mounting the two driving gear wheels, and main gear wheel on separate axles, in combination with a ratchet wheel and small gear wheel for each driving gear wheel; each ratchet wheel being fitted with a pawl, that can be made to stand in gear by the forward motion of the machine, and out of gear by the backward motion of the machine, the whole arranged and operating substantially as described.

Third. I claim the combination of a ratchet wheel, a pawl, a spring acting on the pawl, and a case, with one or both ends of the shaft of the main gear wheel, whereby the case is made to perform four duties, namely, a support to the pawl, a support to the spring, a cover to protect the pawl, spring and ratchet, and the connection by which motion is communicated to the shaft of the main gear wheel, substantially as set forth.

Fourth. I claim the combination shield, E, with each of the cases, G, and wheels, H, substantially as set forth.

Fifth. I claim the combination of the balance wheel, L, with shaft, K, and gear wheels, I, J, whereby the balance wheel is made to perform not only the function of a balance wheel, to regulate the motion of the crank shaft, but also that of a guide or guard and shield, to keep the gear wheels, I, J, in the proper relative positions, substantially as set forth.

Sixth. I claim the combination of a balance wheel at each end of the crank shaft and its hangers or bearings, substantially as set forth.

Seventh. I claim making the pitman in two parts, N, N, in combination with uniting said parts, substantially as set forth.

Eighth. I claim the combination of the hinged cutting apparatus, with a pitman or connecting rod swiveled at both ends, substantially as set forth.

To Ephraim Ball, Canton, Ohio, for an improvement in Mowing Machines. Patented Dec. 1, 1857: Re-issued Sept. 27, 1859, and July 17th, 1860.

I claim, first, The combination of the hangers, which support the crank shaft and coupling arm with the central pieces, A, A, whereby the hangers are made to perform the additional function of braces to the main frame, substantially as set forth.

Second. I claim so constructing and combining a hinged finger beam, with a main frame, as that no part of the finger beam will project by the rear of the main frame, nor any part of the main frame by the rear of the finger beam, whereby an attendant can freely approach the finger beam from the rear, and raise up the outer end thereof to avoid an obstruction, while the heel of the finger beam is free to rest on the ground, and to conform to the inequalities thereof, independently of the up and down motion of the main frame, substantially as set forth.

Third. I claim the combination of the coupling arm and finger beam with the slotted metallic part, S, whereby the finger beam and cutting apparatus, when turned up towards the main frame, to avoid and pass obstructions, will be prevented from falling over against the main frame, substantially as set forth.

Fourth. I claim the combination of the finger beam with the coupling arm and a stop, whereby a portion of the weight of the finger beam, as it is raised up bodily, after the outer end has been turned up to pass an obstruction, will rest on the left hinge of the coupling arm, substantially as set forth.

To Ephraim Ball, of Canton, Ohio, for an improvement in a Mowing Machine. Patented March 20th, 1860.

I claim the combination and arrangement of an adjustable Steel Spring Cap, substantially as described; and as shown in figure 1 and 2, of the accompanying drawing.

To Ephraim Ball, of Canton, Ohio, for an improvement in Mowing Machines. Patented Dec. 1, 1857: Re-issued Sept. 27, 1859, and July 17, 1860.

I claim, first, The combination of a hinged folding finger beam, with the main frame, whereby the finger beam can be raised, turned or folded upon or over the main frame,

without detaching the draft hinge, to facilitate the removal of the machine from place to place, or from field to field, substantially as set forth.

Second. I claim so hinging the finger beam to the main frame, as that the weight of the finger beam, when folded up thereon, shall rest on, or be borne by the main frame, in front of the axis or main supporting wheel or wheels, substantially as set forth.

Third. I claim the combination of the finger beam to the main frame, and mechanism so constructed and combined therewith, as that the finger beam can be raised bodily, and then turned and held up, to render the removal of the machine from place to place more convenient, expeditious and safe, substantially as set forth.

Fourth. I claim the combination of the finger beam with the main frame, whereby the finger beam can be raised, turned, or folded over on or above the main frame so that it shall be borne by the main frame, in rear of the supporting wheels, substantially as described.

Jesse S. Lake and David Lake, of Smith Landing, N. J., assignors to James A. Saxton, of Canton, Ohio, for an improvement in Grass Harvesters. Patented July 20, 1852.

Having described one practical way in which that branch of our invention which forms the subject of this patent can be carried out, we wish it to be understood that we do not confine ourselves to a machine in which any particular cutting apparatus can be used.

But what we claim as our invention, and desire to secure by Letters Patent, is

First. Placing the driving wheel in a Mowing Machine on the outside of the frame in combination with a triangle shaped frame on the inside of the wheel.

Second. We also claim in a mowing machine the combination of the following elements, viz., a triangular main frame, a single driving wheel, arranged on the outside of said frame, and a hinged lever seat for the driver, for the purposes set forth.

Third. We also claim in combination with the main frame of a mowing machine, a single driving wheel and a leading swivel wheel, so arranged in relation to each other and the cutting apparatus, as that the said wheels shall run on line just outside of the grass to be cut.

Jesse S. Lake and David Lake, of Smith Landing, N. J., assignors to James A. Saxton, of Canton, Ohio, for an improvement in Grass Harvesters. Patented July 20, 1852.

Having described one practical way in which that branch of our invention which forms the subject of this patent can be carried out, we do not confine ourselves to any particular mode of applying our said invention to the various mowing machines in use, but we do claim as our invention and desire to secure by Letters Patent—

First. The combination of a hinged lever slot for the driver with main frame and cutting apparatus of a mowing machine.

Second. We also claim the combination of a main frame and an inclined projecting hinged lever seat with a main drive wheel, having no outside support.

To James A. Saxton, Assignee of John Butler, November 15th, 1859.

I claim the combination of the shoe, L, with hinge and adjusting rods, C and N; plate M, and cap K, constructed, arranged and operating in relation to each other and the main frame, as and for the purposes set forth.

Jesse S. Lake and David Lake, of Smith Landing, N. J., assignors to James A. Saxton, of Canton, Ohio, for an improvement in Grass Harvesters. Patented July 20, 1852.

Having described one practical way in which that branch of our invention which forms the subject of this patent can be carried out, we wish it to be understood that we do not limit ourselves to any particular cutting apparatus, main frame, or mode of operating the cutting apparatus—

But what we claim under this patent as our invention is attaching or fastening that part of a mowing machine to which the guards or fingers which support or hold the

grass while it is being severed by the cutter or cutters, are attached to the main frame, or to an intermediate coupling piece; so that the guards or fingers, or the part to which they are sustained and supported, will be free to raise or fall bodily, and also to have a lateral rolling or wobbling motion to enable the cutting apparatus to conform freely to the undulation of the ground over which it is drawn, independent of the up and down motions of the main frame.

Jesse S. Lake and David Lake, of Smith Landing, N. J., assignors to James A. Saxton, of Canton, Ohio, for an improvement in Grass Harvesters. Patented July 20, 1852.

Having described one practical way in which that part of our invention which forms the subject of this patent can be carried out, what we claim, and desire to secure by Letters Patent is—

First. The combination of the coupling piece, I, and finger support, G, with an intermediate metallic connection on lever H, for the purposes stated.

Second. We claim the metallic or connection lever, H, both as a hinge and support to the cutting apparatus and finger support.

Third. We claim the combination of the finger supporter and the metallic connection or lever, H, in such a manner that their lower surfaces shall be flush for the purpose set forth.

Fourth. We claim, in combination with the main frame of a grass harvester, a finger or guard support, whatever it may be called, having two independently acting hinges or yielding connections interposed between it and the main frame, in such a manner as that said finger or guard support as it is advanced by means of its hinges or yielding connections shall be free to rise above or fall below the plane on which the carrying or driving wheel or wheels are passing.

Fifth. We claim so hinging that part of a mowing machine to which the guards or fingers are attached as that it may oscillate or turn on a line at right angles to the line of motion of the machine, for the purpose of raising the points of the guards to adapt the cutting apparatus on a line parallel to the line of motion of the machine.

Sixth. We claim the combination with the main frame finger support and cutting apparatus of a mowing machine, of a lever with an adjustable weight thereon, whereby the pressure of the finger support and cutting apparatus upon the ground, can be regulated by simply moving said weight upon its lever.

Seventh. We also claim the combination of a counterpoise weight or the equivalent thereof with that part of a mowing machine, whatever it may be called, to which the guard fingers are attached, to diminish its pressure upon the ground, and thus obviate side draft and friction.



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