

THE 1872



AND

MOWER



REAPER.



MANUFACTURED BY
D. M. OSBORNE & CO.
 AUBURN, N. Y.

Branch Offices and Depots.

- | | |
|--|------------------------|
| 17 South Main Street, St. Louis, Mo., | R. C. PERHAM, Manager. |
| 600 South Morgan Street, Chicago, Ill., | DANIEL RANSOM, " |
| 1431 Market Street, Philadelphia, Penn., | DAVID HERBERT, " |
| 52 & 54 River Street, Cleveland, Ohio, | J. A. MOFFETT, " |
| Union Block, South Framingham, Mass., | FREDERICK LELAND, " |

Richmond, Mass.

THE KIRBY HARVESTING MACHINES.

THE KIRBY REAPING AND MOWING MACHINES

COMPRISE A COMPLETE VARIETY

FROM WHICH

All Classes of Farmers can select Machines
BEST SUITED TO THEIR WANTS.

MANUFACTURED ONLY BY

D. M. OSBORNE & CO., Auburn, N. Y.

Branch Offices and Warehouses:

CHICAGO, ILL., No. 600 South Morgan Street, DANIEL RANSOM, Manager.
CLEVELAND, OHIO, Nos. 52 & 54 River Street, J. A. MOFFETT, Manager.
PHILADELPHIA, PA., No. 1431 Market Street, DAVID HERBERT, Manager.
SOUTH FRAMINGHAM, MASS., Union Block, FRED. LELAND, Manager.
ST. LOUIS, MO., No. 17 South Main Street, R. C. PERHAM, Manager.

PRICES.—1872.

Delivered on board the Cars IN PITTSFIELD, SPRINGFIELD or SOUTH FRAMINGHAM FREE, the Purchaser paying the freight from there.

- | | |
|--|--------|
| 1.—Combined Self-Rake and Hand-Rake Reaping and Mowing Machine,..... | \$ 180 |
| 2.—Combined Self-Rake Reaping and Mowing Machine,—“BURDICK RAKE,”..... | 175 |
| 3.—Combined Hand-Rake Reaping and Mowing Machine,..... | 140 |
| 4.—Combined “Baltimore” Self-Rake Reaping and Mowing Machine,..... | 175 |

NOTE.—All the above Machines cut 4 feet 8 inches in Mowing and 5 feet in Reaping.

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|---|-----|
| 5.—Self-Rake Reaping Machine,—“THE BURDICK,”—cuts 5 feet 6 inches,..... | 150 |
| 6.—Two-Wheel Mowing Machine, cuts 4 feet 3 inches,..... | 100 |
| 7.—The Burdick Self-Rake ATTACHMENT, separately,..... | 40 |

WARRANTY.

The above Machines are warranted to be well built, of good material, and capable of cutting, if properly managed, an acre of grass or grain per hour, with one pair of horses. If, on starting the machine, it should in any way prove defective, and not work satisfactorily, the purchaser shall give prompt notice to the agent of whom he purchased it, and allow time for a person to be sent to put it in order. If it cannot then be made to do good work, the defective part will be replaced, or the machine taken back, and the payments of money or notes returned. Keeping the machine during harvest, whether kept in use or not, without giving notice as above, shall be deemed conclusive evidence that the machine fills the warranty.

— If this book is sent or given to any one who can more easily read, or better understand it in the German language, we, or any of our agents, will send a German copy, upon application, free.

— Wenn dieses Buch irgend Jemand geschickt oder gegeben werden sollte, der es lieber deutsch liest oder besser in deutscher Sprache versteht, dem schicken wir, oder irgend einer unserer Agenten, auf Verlangen ein deutsches Exemplar frei zu.

SIXTEENTH ANNUAL PAMPHLET.

Office of D. M. OSBORNE & Co.,

AUBURN, N. Y. JANUARY 1st 1872.

TO OUR FRIENDS.—THE FARMERS:

AS is our custom with the beginning of the New Year, we issue an annual pamphlet to the Farmers of our broad Country, to give them therein, the record of our success during the past year, the various points wherein our machines have been improved, and the designs we have for making them more than ever perfect in their operation, and more adaptable for all the different kinds of work that the Farmer requires of them. And, in truth, the work of constructing and making perfect a Mower or Reaper is one not to be effected in a day or merely by a "dabbler" or amateur; a few minutes inspection of a Machine as it stands on the ground, with the working parts so few and apparently so simple, has deluded many a "natural" mechanic or country blacksmith with the idea that he can get up a successful Machine, and make "lots of money" out of it, just as well as any long-established manufacturer.

But there are more hard things to be done by a successful Mower or Reaper than by any other class of machinery. It must have all its parts fitting true and exact, and they must be as well adjusted and proportioned as those of a steam engine; then, unlike a steam engine, which is always bolted fast in one place, so that all wear and breakages can be provided for, and every contingency anticipated by a skillful engineer, the Harvester, often in the care of green hands, must be driven over all varieties of surface, wet or dry, rough or smooth, it must perform its work in all kinds of grass and grain cutting it evenly and easily without fatigue to the team or wear upon the machine, it must be constructed to meet every one of the circumstances under which a crop is to be harvested, in all kinds of weather, in calm air and in high winds, with the crop long or short, down and tangled, or straight and tall. We have said above, that these things are all done by a successful Mower or Reaper; it would be nearer truth to say that they are what successful Manufacturers are *striving* to make their machines do. and we may, without egotism, pride ourselves in being the foremost in this endeavor. We are happy in knowing that the Farmers have ever testified their appreciation of our efforts in the past to give them thoroughly reliable machines, with every improvement that rigid test and sound experience would justify; they have found that all those improvements were realities, and were not sham affairs put on the machine merely to sell it for one season and then kill it the next. This will explain the eagerness with which every new improvement announced to be put on the Kirby is looked for, examined and tested by the Farmers. There are several of such improvements on our machines of this year's manufacture, which we announce to the Farmers with confidence that they will find them to be exactly as we represent them. We feel, more than ever, gratified with the high popularity accorded to our machines, during the fifteen years of their manufacture; we have tried always to be in the front of the wonderful progress made within that time in all the different improvements and inventions in Mowers and Reapers; that progress has clearly demonstrated that the reward of success is given only to the most patient and most thorough makers of well proved and well made machines; while the world is strewn with the wrecks of "brilliant inventions," and "wonderful discoveries," which, proving for their makers and users only a delusion and loss, have been left as memorials of misapplied talent and useless toil. Avoiding all such precipitate enterprise, we enter upon another year of work with faith that the Farmers will be quick to recognize the merits of the various machines composing the Kirby family, and with the full determination to deserve, more than ever, the flattering award of praise they have hitherto accorded us.

Asking of you a careful reading of our pamphlet, and, when the opportunity offers, a close examination of our machines; wishing you an abundant harvest, and good prices for your produce, we are,

Very Truly, Your Friends,

D. M. OSBORNE & CO.

THE KIRBY HARVESTING MACHINES.

Changed from Self-Raker in 4 Minutes.

Perfect Mower!—Perfect Reaper!—Perfect Self-Raker!—Perfect Hand-Raker!



The Kirby Combined as a Mower passing an obstruction.

See Rear View on Page 6.

"OWATONNA."

THE GRAND 1871 FIELD TRIAL OF REAPERS and MOWERS.

Fac-Similes

OF

THE
FACES OF THE

TWO FIRST PRIZE GOLD MEDALS.

THE Great Minnesota State Field Trial of Reapers and Mowers began at Owatonna, Minn., July 26th, and ended August 3d, 1871, exciting more general interest among the manufacturers and farmers throughout the country than any similar event since the famous Minnesota State Trial at Rochester, in 1867.

The "First Prize Gold Medal" for the Best Independent Self-Raking Reaper, was awarded to The Burdick. The great battle, however, was for that most important of all classes of harvesting machinery, the Best Combined Self-Rake Reaper and Mower. In this class, that standard machine, the veteran Kirby Combined, was equally victorious; and in winning the "First Prize Gold Medal," carried off the greatest honor ever accorded to any Machine at any trial.

The Kirby Combined Machine used, was one of the improved kind, as they will be made for the future, with the new Lifter-Lever for raising and lowering the Machine in reaping without stopping; and although the improvement had been thoroughly tested, and a large number built, sold and used through one or more seasons at the East and South, this machine was one of the first car-load sent to the Northwest, and when it was "trotted out" for trial, its competitors, who had not seen the improvement, were no less astonished at its practical utility, than set back in their chance of winning a medal.

From the "Official Report of the Executive Committee of the Minnesota State Agricultural Society, relating to the great field trial at Owatonna," a pamphlet of twenty-four pages, it will be seen that there were 35 different points upon which each machine was thoroughly examined and considered; after determining these 35 questions, the committee proceeded to decide "which of the machines were best adapted to the use of farmers, by having the greatest number of merits, and fewest defects."

The report gives full and correct tables of the Draft of all the machines, which is really, next to quality of work, the most important point which was considered by the committee in their examinations. The draft of the Burdick (Independent Reaper) was the lightest of any machine in that class, and the Kirby as a Self-Rake Reaper was the lightest draft in the class of Combined Machines, both Reaping and Mowing; cutting as a mower, eight inches wider

THE KIRBY HARVESTING MACHINES.

swath than the next lightest. The time for changing the Kirby Self-Rake Reaper to a Mower, in presence of the Committee, was but four minutes. Near the bottom of page 8 of the "Official Report," is given the summing up for "Independent Reapers," after which occurs the following verdict:—

"Thus giving the **BURDICK first prize GOLD MEDAL**. The Johnston second prize, \$25," leaving the others, which competed in the same class, entirely "out in the cold." Then follows the summing up for combined machines, and with "Perfection" denoted by 100, the list is headed by the "Kirby 92⁵/₈," followed next in order of merit by the "Wood 88³/₈," showing the Kirby 41⁴/₄ points ahead. When it is considered that the last machine on the list is rated '86³/₈' (the lowest one,) and that the "Wood" is *only two points* above it, it will be apparent how close the calculation was made, and the 41⁴/₄ points which the Kirby is ahead of the "Wood" will be fully appreciated, as equal to more than 100 per cent. of what the "Wood" is ahead of the last one on the list. At the top of page 9 is found this verdict on Combined Reapers and Mowers:—

"Thus giving the **KIRBY (Burdick Rake) first prize GOLD MEDAL**. The Wood, with mowing attachment, *second prize, \$25.*"

The award in this class was more anxiously sought than all others, and is, in fact, **THE** award; the one in which, by far, a greater number of farmers are interested than the awards on single Reapers or single Mowers.

PRIZE MEDALS



WON



AT THE

ROCHESTER TRIAL.

PRIZE MEDALS



WON



AT

MINNEAPOLIS.

"MINNEAPOLIS, MINN., NOV. 15th, 1871.

"D. M. OSBORNE & CO.,—GENTS: Our Medals for the MINNEAPOLIS AGRICULTURAL AND MECHANICAL ASSOCIATION were all burned in the Chicago fire, together with the dis for same, and we substitute some of the Hennepin County Society, which is however now merged into the M. A. & M. Association.

"Yours Truly,

(Signed)

"THOMAS LOWRY, Secretary."

THE KIRBY HARVESTING MACHINES.

5



GOLD MEDALS

GIVEN BY THE

HUNGARIAN

GOVERNMENT.



("Francis Joseph, Emperor of Austria by the Grace of God, and Apostolic King.")

("The Acknowledgment of Merits on the Field of Agriculture.")

TRANSLATION.

Given by the Agricultural Society
of the District Hebes.

"Burdick Reaper."

We, the undersigned Members of the Jury at the Exhibition and Field Trial of this Agricultural Society, held in Gyöngyös, the 6th, 7th and 8th days in July, state and determine, that in convention with the Royal Hungarian Ministry, it was ordered, that in the Harvesting Field Trial the State Prize of One Hundred Florins, and a Gold Medal, was won by the Burdick Reaper, manufactured by D. M. Osborne & Co., and exhibited by Gulick Brothers, wherefore we publish this present document in acknowledgment of their merit, and in memory of this Agricultural Feast.

Gyöngyös, July 8th, 1871.

Chairman of the United Jury,

Robácz Vaszló.

President of the Experienced
Members,

Bökönyi Victor.

Members of the Jury.

Grabig György.

Fehér Álmán.

Szaboszt Frigyes.

Count Szápáry Imry.

Főhőgy Antal.

Brezobay Vaszló.

Besides winning the One Hundred Florins with the above beautiful Gold Medal, and High Testimonial at Gyöngyös, in Hungary, our Independent Self Rake Reaper gained a Gold Medal in a field trial at Kronstadt, near the south-east border of Hungary, and at Krakau, near the northern border.

THE KIRBY HARVESTING MACHINES.

A Perfect Self-Raker and a Perfect Mower.

The New Lifter is used both in Reaping and Mowing.



Kirby Combined Reaper and Mower--as a Mower--at Work.

All that is desired for a Perfect Combined Machine.

A REEL CAN BE USED IN MOWING WHENEVER DESIRED.

THE KIRBY COMBINED MOWER AND REAPER, IMPROVED FOR 1872.

The improved lifter, for use in reaping as well as mowing, was tried last season on a number of machines, and has proved perfectly successful and desirable. Its advantages will be fully appreciated by those who, owning other machines, are obliged to get a rail from the fence, or call on the neighbors to help lift up the platform so as to change the height of cut. The only changes necessary are to take off the lifter wheel used in mowing, attaching the parts of the platform wheel in its place, to change the upper bolt in the wood lever, and the link to the outer stud of the lifter lever crank.

THE COMBINATION PERFECT.

Those who have used the Kirby longest like it the best; in mowing it is found to be just as thorough and easy in its work, and just as easily handled as the lightest and jauntiest of the two-wheeled mowers. It can follow a two-wheel mower anywhere, and can go in some places where a two-wheel mower cannot follow it. It will go over the roughest and stoniest ground, and there is no side-hill where a horse can stand up, that the Kirby will not go easily and do good work. Then the wonderful simplicity with which it is constructed is a standing argument in its favor which must appeal forcibly to the pockets of every farmer who ever owned a Mower and Reaper. A few pages further on we give a list of those owners of the Kirby we have chanced to meet the past season, naming the number of years they have used their machines, and the amounts expended for repairs. The durable character of the machine is therefore beyond question, and it will prove the fast friend of its owner, so long as he treats it as he does his other friends, fairly and honestly. In mowing, instead of having a joint in the bar, the frame and finger-bar raise and lower together independently of the driving wheel, each being free to follow the inequalities of the ground over which it is passing.

Either end of the finger-bar can be raised without affecting the other, or both ends can be raised at the same time, while the independent action of the machine enables the bar to accommodate itself to ordinary inequalities of surface.

The connecting rod is always in line with the knife and guards, no matter what the angle of the finger-bar, so that the knife is never cramped, and under all circumstances has the same cutting capacity.

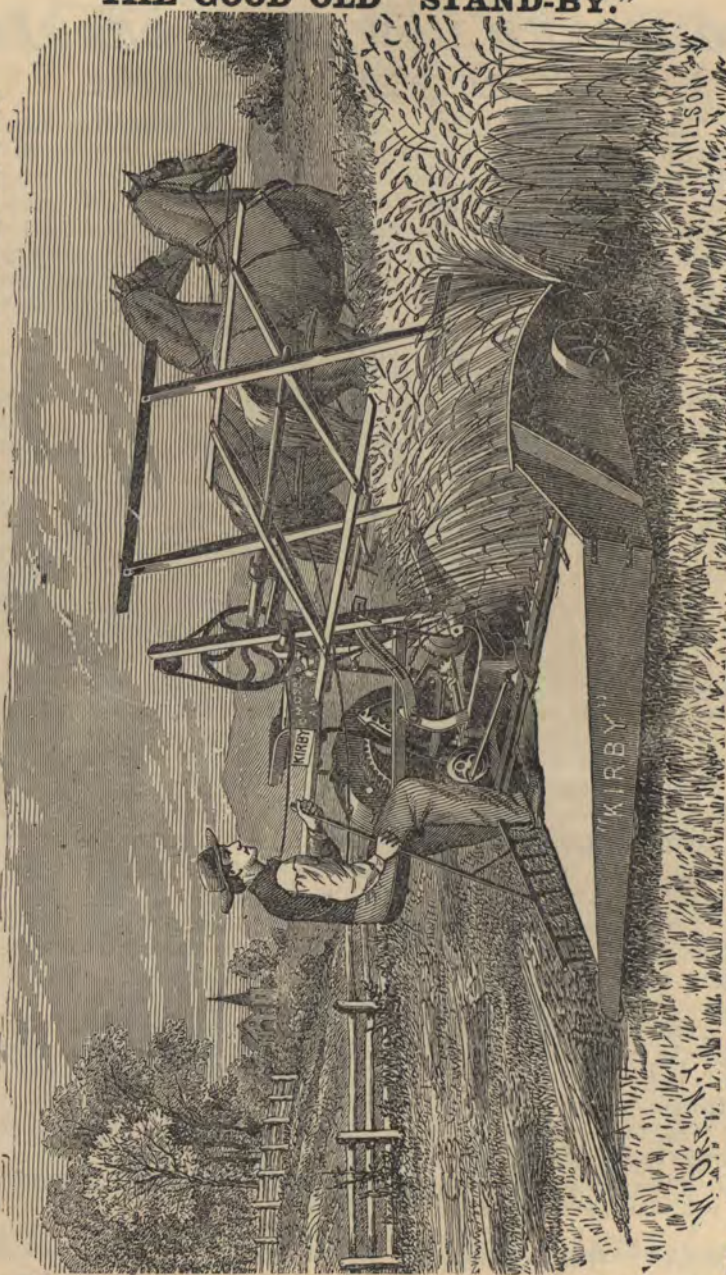
Our main frames are all iron, with babbitted boxes and shafts always in line, and running true.

None of our machines have long timbers, or mortises and tenons to rot, warp, shrink, or swell.

Very light, with remarkably light draft, and absolutely no side-draft. Weight wholly on drive-wheel, giving immense power.

Duplicate parts always fit, and prices of extras all very low.

THE KIRBY HAS NO RIVAL FOR THIS KIND OF BUSINESS.



The Burdick Rake fits all Kirby Hand-Rakers.

THE KIRBY HARVESTING MACHINES.

THE GOOD OLD "STAND-BY."

The KIRBY, as a HAND RAKER.—Easily Managed by one Man and 2 Horses.

THE COMBINED KIRBY

AS A

HAND-RAKING REAPER.



OUR MACHINE, in this form, needs hardly any description at this day, as it is so well known everywhere. The new improved Lifter, already described on page 7, is a step very far forward in the progress of this old "stand-by."

The combination of the Lifter with the Caster Grain-Wheel is peculiar to the Kirby, and constitutes a signal advance over other Reaping Machines (in this respect.) The outer end of the platform can be moved by the Lever, through a vertical space of eight inches, which is sufficient to clear the highest obstruction to be passed over in a grain field. If the obstructions are not very large, the Lever can be set at the middle of the circle (as seen in the Mower cut on page 2,) with the finger-bar level; and then it can be raised four inches to pass obstructions, and lowered four inches to gather up "down" grain. This does not affect the adjustability of the Reaper for any height of cut desired; it can be set the same as before, to cut as low as two inches, or as high as 18 inches.

THE ADJUSTABLE OVERHANGING REEL,

has no support at the outer end of the platform for lodged and tangled grain to catch upon, and is the only really adjustable reel in-use, as it can be moved up or down, backward or forward, without changing the length of the reel belt.

THE RAKER'S SEAT.

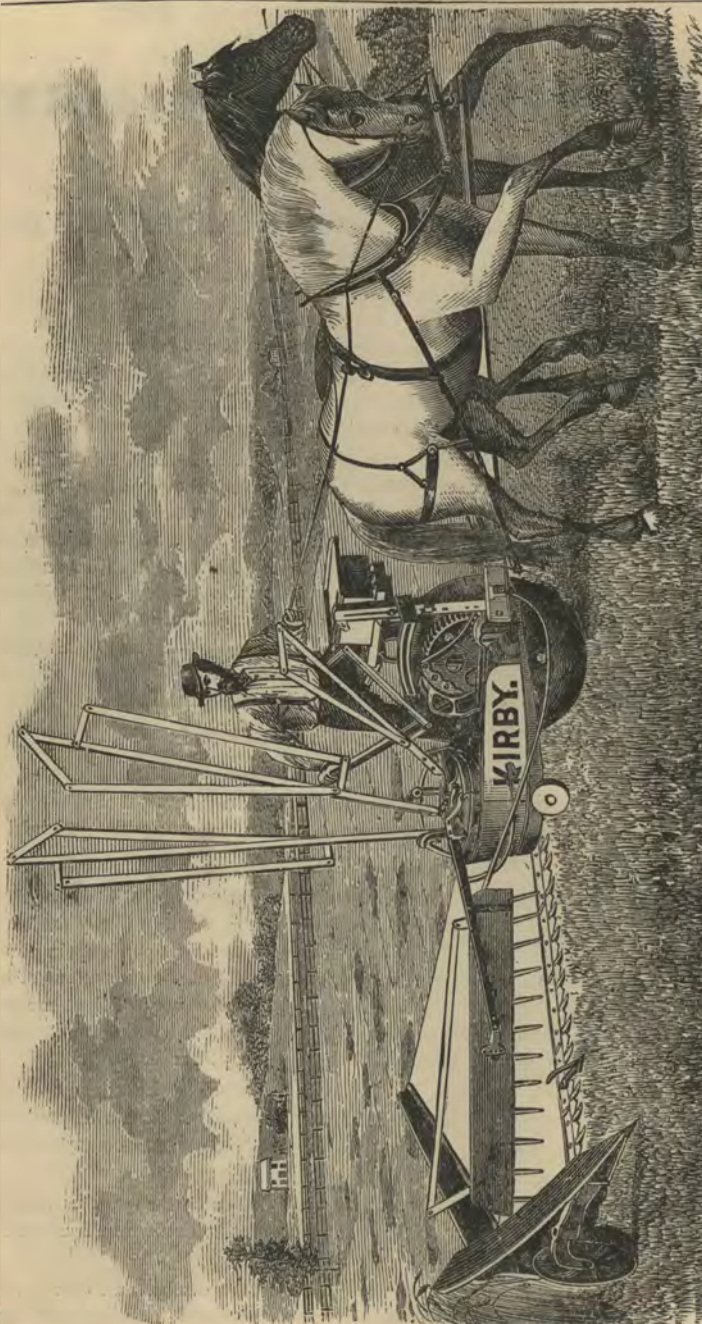
In all other machines having a side delivery, the raker is obliged to stand in an awkward and tiresome position to rake off the grain. In the Kirby machine, the new and peculiar position of the raker enables him to sit upon a spring seat, in an easy position, and with a rake of novel form, with but one movement of his arms he takes off the gavels at the side entirely out of the way of the team and machine in the next round. With a little experience and a good team one man can both drive and rake off; thousands have done so for years.

The principle and construction of the machine renders the direct draft unusually light, and obviates side draft entirely. It can be perfectly balanced by the weight of the driver so that there is no pressure upon the horses' necks.

The driver can at the same time watch his team and cutting apparatus without looking back, either in reaping or mowing, and cannot be thrown in front of the cutter-bar.

It can be driven through any ordinary gate or bars easily, and on the road much more easily than a reaper with two driving wheels.

THE KIRBY HARVESTING MACHINES.



Front View of the Kirby Combined Reaper and Mower as a Self-Raking Reaper.

For the Harvest of 1872 we have perfected a most valuable improvement—THE NEW LIFTER-LEVER—by which the machine can be **RAISED OR LOWERED IN REAPING** without stopping.

DO NOT FAIL TO EXAMINE IT.

THE KIRBY COMBINED

AS A

Self-Raking Reaper.

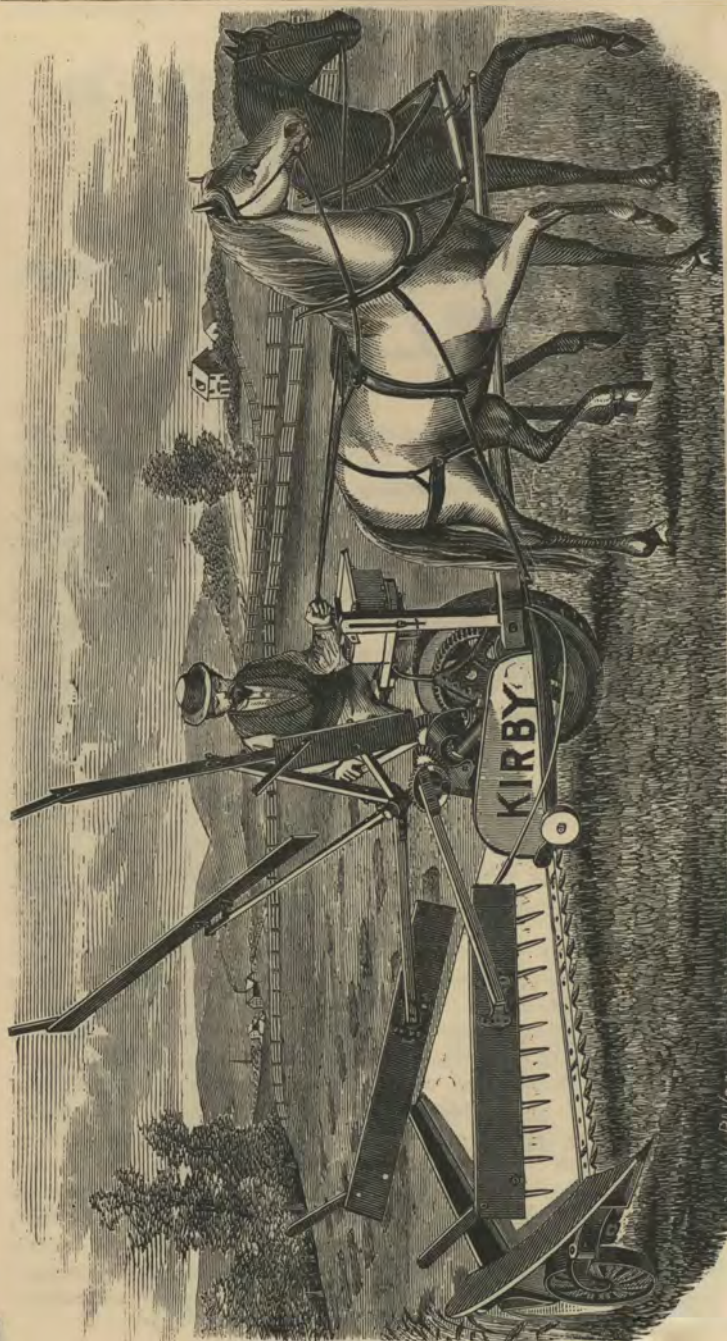
WE INVITE especial attention to the Reel Beaters of the Self-Rake. You will see that they are constructed of such shape as to do equally **excellent reeling** in any kind or condition of grain, be it heavy or light, long or short, straight or crinkled, lodged or standing, and this, too, without requiring any change or adjustment, enabling the machine to pass from one condition of grain to another, and do good reeling in all, which **must be done** in order to do good raking. The bundles are left on the stubble in the **position most convenient for the binder**, with the butt perfectly square.

All our self-rakes are put together with one arm for a rake and three arms for beaters; though an **extra rake arm** and rake head are packed with each Burdick Self-Rake, to be used in place of the middle beater when grain is too heavy for bundles at the usual distance of 20 feet. **When two rakes are used**, a bundle is made going just one-half the distance. The lever for "controlling" the rake acts alike on each, when two are used, and a bundle may be raked off, at the will of the driver, at every ten feet, or be "carried" 20, 30, 40, or 50 feet.

The New Improved Lifter Lever is used with the Self-Rake Attachment, as well as with the Hand-Raker.

The Self-Rakes used on our Kirby Machines are free from the objections that apply to the controllable and the continuous Self-Rakes used on other machines. In having none of the complicated "traps" necessary for a "perfectly controllable" one, we avoid the other extreme of a "continuous" or "regular" rake. It is made with special regard to *strength* and *simplicity*, and if left without any attention, it will rake off a bundle once in every revolution, passing over 20 feet of ground, but when grain is uneven, having thin spots, and it is desirable to "double the bundle," it is done by touching a lever; the rake then passes over the grain on the platform, and rakes off the *double bundle* at the next revolution. This is found very desirable in *turning corners*, doubling the bundle and carrying it past the corner out of the way of the team on the next round. Thus our rake runs itself, taking off bundles at uniform distances, or making them double when desired, having every advantage of simplicity and strength belonging to the "continuous" rake, with **all the necessary** controllability, and *without* the "traps" and complications of the "perfectly controllable" ones.

THE KIRBY HARVESTING MACHINES.



THOROUGHLY TESTED!

The New "BALTIMORE" SELF-RAKE on the COMBINED KIRBY.**THE NEW LIFTER,**—(described on pages 7, 9 and 11) is used with this Self-Raker, the same as with the "Burdick" Self-Rake.

THE "BALTIMORE" SELF-RAKE.

As each harvest develops new requirements by the farmers for new kinds of work by farm machinery, and as experiment also develops new methods of satisfying those demands with new and improved machines, we have always been on the watch for such new combinations for a Self-Rake as would bring it nearer that perfection which consists in the union of the three vital principles of **simplicity, durability, and efficient work.**

About three years ago the new combination in this Baltimore Rake was brought to our notice, and believing there was something good in it, we have been testing and perfecting it constantly until we now have the confidence to place it on the market for extended use and sale. Last season we made twenty of these Self-Rakes and placed them in the hands of the most practical and intelligent farmers we could find, for them to use personally, subjecting them to the severest tests and the roughest usage, and returning the machines to us at the close of the season. We give on the following page the reports they make to us of the results of their use, and it is a highly flattering record for only a first year of trial.

The point which at once attracts attention to this Rake is its simplicity; it is run positively and directly by gearing from the bevel-wheel shaft; there is one inclined shaft strongly attached to the frame on which the carriers for the Rake and the Beater arms both revolve. All the working and moving parts are on the outside and "open to the day-light," so that they can all be understood at a glance.

The next point to be noticed is the strength of every part; in fact we have made some parts much stronger than appears necessary, so that it might prove reliable at all times. The gearing is large, fits closely, and runs freely, and the whole Rake is set up as high as possible, to avoid the annoyance of the cut grain falling into it.

The peculiar motion of the cog-wheel which carries the Rake Head is the result of much study and many experiments on the part of the inventor, and we may fairly assert that it gives the very motion that is needed at each and every point of the revolution of the Rake Head. It carries the grain with a wide gathering sweep into the platform, moves it swiftly across out of the way of the grain falling after it, and after leaving the gavel straight and even on the ground, rises quickly from it with a peculiar turning movement which does not displace a single straw, and then goes forward for the next sweep. The motion of the Rake is uniform and regular, without any wear or jerk. It is geared so as to rake off a gavel every sixteen feet if left to run without any attention; but in cutting over thin spots, or in turning corners where it is desirable to double the gavels, by touching the trip with the foot, the Rake will pass over without taking the grain off, leaving it to be delivered from the platform at the next, or even at the third revolution, as desired; this is the same arrangement as we have on the Burdick Self-Rake, and which has made it so justly popular and successful. The Beaters are all bolted to one head, and are set so as to give a wide, "scooping" and gathering sweep into the grain in front of the cutters, taking the grain from as far in the front as will clear the whiffletrees, and bringing it all on the platform. The Beater slats are made adjustable for the varying heights of grain, and they can be set without a moments delay.

We do not deem it necessary to make any further detailed description of the Baltimore Rake, as a few moments inspection of the machine will make its construction and working plain to any one; but we place it in the hands of the Farmers in the hope that they will find it to be the best Self-Rake they have yet known.

KIRBY COMBINED MACHINE WITH "BALTIMORE" RAKE.

TESTIMONY OF FARMERS WHO HAVE USED IT.

ROSE HILL FARM,
Geneva, New York, Oct. 24, 1871.

Messrs. D. M. OSBORNE & CO.,

MY DEAR SIR:—I have used the Kirby Mower and Reaper with the Baltimore Rake the past season in wheat, oats, and barley, and cutting clover and timothy seed, and it has done its work in each and every case in capital style, without a break. In fact not one penny expense have I had to pay for repairs. I will also state that a boy nine years old, who is so short as to have to brace himself in front of the small tool box in front of seat, has driven the machine, and that the machine has done excellent work in every respect. The Rake is strong, and sweeps the grain in good sized gavels, and well laid for the binders. I will also state that I had a piece of wheat badly lodged, almost flat, and that I had some of the best machines on a trial to see which would do the best work, and the result was a perfect triumph for the Kirby and Baltimore Rake, in every respect.

Respectfully, R. J. SWAN.

CAMILLUS, N. Y., Sept. 15, 1871.

D. M. OSBORNE & CO.,

DEAR SIR:—I have harvested with the Combined Mower and Reaper with Baltimore Rake, about 123 acres of grain; 50 of wheat, 50 of barley, and 23 of oats. The wheat was very heavy and badly lodged in every direction, and it cut it completely without any waste, no matter whether it was lodged from the machine or not. The barley and oats were badly beaten down, and it did its work equally well. I consider the machine the best I ever saw.

Yours with respect, DAVID A. MUNRO.

OAKFIELD, N. Y., Jan'y 3, 1872.

Messrs. D. M. OSBORNE & CO.,

GENTLEMEN:—I was requested by your agent here the last harvest to use one of your Kirby Combined Machines with the Baltimore Self-Rake, something new you desired to have thoroughly tested. I used the machine and Rake to cut fifty acres of heavy Deal and Red wheat. I found the Rake to be very strong, and adapted to any kind or condition of grain. I am sure it is one of the easiest working Self-Rakes I ever saw, or any ordinary farm team can work it all through harvest, and be in as good condition at the end as they were at the beginning. I am acquainted with nearly every kind of Mower and Reaper, but after using a Kirby for seven years on a farm of 170 acres, I now have no disposition to make a change for any other kind.

Yours respectfully, JOHN S. MACOMBER.

BATAVIA, N. Y., Dec. 15, 1871.

Messrs. D. M. OSBORNE & CO.,

GENTLEMEN:—Last harvest your agent, Mr. E. W. Godey, wished me to use one of your Combined Reapers and Mowers with the new Baltimore Self-Rake. I cut seventy-five acres of wheat, barley, and oats. The grain was in all shapes, and on all kinds of ground. The machine with the Rake went through without delaying us a minute for repairs or wear. It had already cut fifty acres of wheat for John Macomber before I took it, and when I finished using, it hardly showed from use or wear that it had cut one-tenth of that amount. I used it on the roughest ground without the least damage; it worked well in tall standing grain, in low, thin grain, and in heavy lodged grain. It can be placed in the care of green hands, as it is so very simple and strong; and it is the lightest running machine I ever hitched a team to.

Yours respectfully, HENRY DEWEY.

THE KIRBY Two-Wheel Mower.

A TRIUMPHANT SUCCESS.



THE COMPLETE SUCCESS of the Kirby Two-Wheel Mower has never been equalled in the history of mowing and reaping machines. From every part of the country there comes united testimony in regard to its perfectly satisfactory performance in every possible kind of work.

Its extensive use for the past few seasons has more fully than ever before demonstrated the **perfection of principle**, upon which, not only it, but all of our machines are built. It has the flexibility and independent motion of frame and finger-bar peculiar to all Kirby machines, cutting close and clean over all variations of ground.

JOINTED CONNECTING ROD.

With the utmost **simplicity and strength**, there are combined in the Kirby Two-Wheel Mower **many excellencies** not found in any other machine; and chief among them will be noticed the **Jointed Connecting Rod**, (or pitman) an invention of Mr. Kirby's, and a feature belonging **exclusively to this mower**. The joint in the Connecting Rod (or pitman) works simultaneously with the joint in the finger-bar, keeping the Connecting Rod

ALWAYS IN PERFECT LINE

with the cutting apparatus, allowing the knife to run **perfectly free, without binding**, at whatever angle the bar may be raised or folded; thus **decreasing the friction**, and consequently adding to the already **powerful cutting capacity** decreasing the already **very light draft**, and adding largely to the durability, by relieving the connecting rod and knife-head from liability to breakage, consequent upon the binding and friction of these parts, incident to all other two-wheel machines.

By a convenient lever, the bar is raised to pass an obstruction, or even a tree, or folded completely across the machine in front for transportation, **without throwing out of gear, stopping the team, or the driver leaving his seat**.

Instantly thrown out or into gear, without stopping, when desired, by either foot or hand.

No stopping to fasten finger-bar in position when folded.

A loose or rigid tongue, as desired, without stopping.

To show absolutely **no side draft or weight on horses' necks**, leave neck yoke entirely off and put machine to work with stiff tongue.

The **points of the guards** can be raised or lowered without stopping. They are especially shaped to prevent clogging; they have steel plates, easily replaced when worn out; and are *not riveted*, but **bolted to the bar**.

The line of **draft is direct** on cutting apparatus where it ought to be; and there is **no strain of machine** by draft through axle, frame and braces.

Driver's seat is behind, completely out of danger, but in full view of cutting apparatus.

An adjustable spring runner under both shoes.

The leader-wheel is a caster-wheel and turns **perfect square corners**, even on soft ground, without raising and lowering the bar.

Machine **always on its wheels** and never tips up.

The excellencies of the Kirby Combined Machine all "boiled down" and added to.

Cuts $4\frac{1}{2}$ feet wide, follows rough as well as smooth ground, and is the **lightest running and most perfect working** two-wheel mower ever made.

THE KIRBY HARVESTING MACHINES.

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SEE THE LIST OF 1871 VICTORIES.

GREATLY IMPROVED SINCE LAST SEASON.



FOR MOWING ONLY.

THE KIRBY NEW TWO-WHEEL MOWER.—'At Work.'

See also Illustration on back of cover, and description on pages 15 and 16.

THE SELF-RAKING "BURDICK REAPER."

WE COMMENCED the manufacture of this machine a few years since, animated by a desire to fully and satisfactorily meet the requirements of our farming friends who are exclusively engaged in the raising of grain, or whose crops of grain and grass are so large as to warrant them in buying separate machines. To the latter class we would say that they will find the **Burdick Self-Raking Reaper** a worthy companion for the **Kirby Single Mower**. After thorough tests during the harvests of 1869, 1870 and 1871, we can warrant it with entire confidence, as being the most easily managed, the lightest running and most effective independent Self-Raking Reaper in use.

The **Self-Rake** is the same in principle as the one used on the Kirby Combined Machine, being **controllable** to the same extent. It has no Springs, Switches, Chains, or Gates to break, wear or get out of order. As in the Combined Machine, the Rake is sustained upon the frame of the Machine, and **not upon the finger-bar**, so that the cutting apparatus is always in the right line, and the gearing for driving the Rake always works smoothly.

The **Driver's Seat** is located outside of the main wheel, entirely out of the way of the gearing, with the levers for controlling the action of the Rake and throwing the Machine out of gear, within easy reach.

The **Tilting Lever** is so connected with the frame and hinged tongue, that the machine can be easily and instantly tilted up or down by the driver while it is in motion, to pick up lodged grain or to pass an obstruction. By means of a detached lever applied to the axle-plate and grain-wheel, the frame, cutting apparatus, and platform can easily be **raised or lowered perpendicularly**, and fastened at any desired height, from 2 to 18 inches, still allowing the **Tilting Motion**.

It will work on side hills as well as the Combined Machine, and can not be tipped over.

The strongest argument used in **favor** of two driving wheels for a **Mowing Machine** is also the most powerful argument **against** two driving wheels in **Reaping**. The flexibility of the bar that is desirable in mowing is of very great disadvantage in reaping. The Burdick, like the Kirby Combined Machine, has but one driving wheel, broad faced and high, between which and the grain wheel, the frame and cutting apparatus are firmly suspended.

The Guards are made of the best Malleable Iron and faced with cast steel thoroughly tempered; the same as in the Single Mower and the Combined Machine.

The **Foundation** or principal parts are good for a lifetime.

The **Gearing** is protected from dirt, and is so constructed that the machine is almost noiseless in its operation.

There is positively **no side draft**, and the machine is so perfectly balanced that there is **no pressure on the horses' necks**.

It is made almost wholly of iron and steel, so arranged as to render the machine **very strong**, while the simplicity and construction of its gearing avoids unnecessary friction, rendering it of **very light draft**, and **extremely durable**.

AT MANCHESTER, IOWA, Delaware County Fair Oct. 4—6, 1871, we gained a decided and important victory in receiving the awards of First Premium for **Best Combined Machine** and also for **Best Mower**. The *Delaware County Union*, Oct. 12th, reporting the splendid display, said:—"The exhibition of farm machinery was remarkably large, rivaling that at the State Fair." The *Manchester Press* of Oct. 6th says:—"There was exhibited a Kirby Combined Machine that has been through twelve harvests and is still a good machine." Our agent writes in regard to same:—"The old Machine belongs to Watson Childs, and is the identical one with which I went into the field trial eleven years ago, and cut $7\frac{1}{2}$ acres in three hours and four minutes, with one pair of horses without change, fairly beating the four-horse competitors 11 minutes in time, and very much in quality of work. The old Kirby has passed successfully through twelve harvests, at an average of not less than 150 acres per year of grass and grain. Mr. Childs thinks it is still good for several more harvests. The Kirby Family (old and new) drew more attention than all the others on exhibition, which were not a few, and the new Lifter Arrangement was often highly spoken of. I do not recollect a single breakage on machines sold this year."

AT WAVERLY, IOWA, Bremer County Fair, Sept. 26—28, 1871, we also exhibited one of the Combined Machines with the new Lifter, and of course got the **First Premium** on it. A letter from the agent says:—"In regard to sales; when I took the agency of the Kirby, the leading machines here were the Wood, Buckeye and Excelsior, represented by leading agricultural dealers, while the Kirby was not introduced, and I was but an obscure mechanic. The first year I sold 23 Kirbys, and the sale of the others were about 175 Woods, 100 Buckeyes, and 40 Excelsiors. The second year the Wood, Buckeye and Excelsior about kept up their previous sales, but the Kirby increased to 50, ten of which I could not get. The third year the sales were about 5 carloads of Kirbys, 2 carloads of Woods, less than one load of Buckeyes. Last year Kirbys 3 loads, Woods less than 2 loads, and Buckeyes only about five machines, while the Excelsior trade had simmered down to two machines. This year we have sold 31 of your machines, while the sales of the Wood have scarcely been more than one-third that number, and of the 3 Buckeyes sold, two have been returned, one being replaced with a Kirby for cash."

AT INDEPENDENCE, IOWA, Buchanan County Fair, Sept. 27—29, 1871, in competition with the Wood, Aetna, Climax, Sulky, and Cayuga Chief Machines we won **Two First Premiums**, one for **Best Mower** and one for **Best Combined Machine**, and found quite a number of customers for 1872.

AT MAQUOKETA, IOWA, Jackson County Fair, Sept. 26—29, 1871, the Kirby Two-Wheel Mower was awarded the **First Premium**, and was universally admired by both farmers and mechanics. The Agent says:—"It is in this section, thought by all to be the most complete machine of the kind now in use. The new Lifter Arrangement on the Combined Machine met the most marked attention, and the most universal approval of the farmers; very many of whom, having used the Kirby for years, exclaimed, '*what a happy hit!*' and asked if it can be attached to their old machines."

AT MOUNT PLEASANT, IOWA, the Henry County Agricultural Society Fair, Sept. 26—29, 1871, awarded The Kirby one **First Premium** as **Best Self Raking Reaper** and another as **Best Combined Reaper and Mower**. In reporting it, our agent says:—"The improved Lifter took the eye of the farmers. * * * * * I have had but little trouble from breakage; the most of the repairs are for old machines."

AT IOWA CITY, IOWA, Johnson County Fair, Sept. 26—28, 1871, two awards were made our machines, one to the **Two-Wheel Mower** as **Best Mower**, and the other to our **Kirby Combined Machine**.

THE KIRBY HARVESTING MACHINES.



THE GRAND
PRIZE



GOLD
MEDAL.



WE GIVE below on this page, and at the foot of the Calendars on the pages following, a few certificates out of the hundreds sent us this season. The first is from one of our oldest and most esteemed agents in Seneca County, New York.

Messrs. D. M. OSBORNE & CO.

FAYETTE, N. Y., Dec. 23, 1871.

GENTLEMEN:—After many years experience in selling your machines I have thought it proper for me to give you some of the reasons why a man should purchase a Kirby Machine.

1. It costs less.
2. It is less expensive to work.
3. It is lighter of draft.
4. It is more safely and easily operated.
5. It is vastly superior as a Reaper.
6. It mows equal to the best.
7. It is better adapted to rough and uneven ground.
8. It is less liable to get out of repair.
9. It is more cheaply repaired when repairs become necessary.

If any confirmation is necessary as to the above, I have it to my satisfaction in the fact that I have sold about two hundred of these machines and never failed to please a man.

J. R. STONE.

ROSE HILL FARM,
Geneva, N. Y., Oct. 24, 1871.

Messrs. D. M. OSBORNE & CO.

GENTLEMEN:—I have used the Kirby Combined nine years and find it a strong and good machine and I have this day in working order, the first machine I bought of your firm nine years ago, and it has cost me just two dollars and a half in that time for repairs.

Yours,

ROBT. J. SWAN.

MEDINA, N. Y., Dec. 15, 1871.

D. M. OSBORNE & CO., Manufacturers of Kirby Mowers and Reapers.

GENTLEMEN:—After four years trial of your Combined Machine I can safely say I consider it "The" Machine, Mowing as well as any, Reaping better, than any two wheeled machine, costing much less, and more durable. This being what the economical farmer desires.

Respectfully yours,

H. BOWEN.

CALENDAR FOR 1872.

JANUARY.						FEBRUARY.						MARCH.					
Moon's Phases.						Moon's Phases.						Moon's Phases.					
Third Quarter	D. 3	H. M. 4 9 ev.				Third Quarter	D. 2	H. M. 4 20 mo.				Third Quarter	D. 2	H. M. 1 39 ev.			
New Moon.....	10	9 8 mo.				New Moon.....	8	8 2 ev.				New Moon.....	9	7 3 mo.			
First Quarter	17	6 12 mo.				First Quarter	16	0 34 mo.				First Quarter	16	8 35 ev.			
Full Moon.....	25	11 24 mo.				Full Moon.....	24	5 6 mo.				Full Moon.....	24	7 53 ev.			
												Third Quarter	31	8 42 ev.			
Days of Month.	Days of Week.	Sun Rises.	Sun Sets.	Moon Rises.	Days of Year.	Days of Month.	Days of Week.	Sun Rises.	Sun Sets.	Moon Rises.	Days of Year.	Days of Month.	Days of Week.	Sun Rises.	Sun Sets.	Moon Rises.	Days of Year.
H M	H M	H M	H M	H M		H M	H M	H M	H M	H M		H M	H M	H M	H M	H M	
1 M	7 30	4 38	10 15		1	1 Th	7 14	5 14	morn.	32		1 Fr	6 36	5 50	morn.	61	
2 Tu	7 30	4 39	11 19		2	2 Fr	7 13	5 15	0 31	33		2 Sa	6 34	5 51	0 45	62	
3 W	7 30	4 40	morn.		3	3 Sa	7 11	5 16	1 42	34		3 S	6 33	5 52	1 57	63	
4 Th	7 30	4 41	0 24		4	4 S	7 10	5 18	2 56	35		4 M	6 31	5 54	3 6	64	
5 Fr	7 30	4 42	1 34		5	5 M	7 9	5 19	4 9	36		5 Tu	6 29	5 55	4 8	65	
6 Sa	7 30	4 43	2 46		6	6 Tu	7 8	5 20	5 20	37		6 W	6 28	5 56	5 1	66	
7 S	7 30	4 44	4 2		7	7 W	7 7	5 22	6 20	38		7 Th	6 26	5 58	5 45	67	
8 M	7 30	4 45	5 19		8	8 Th	7 6	5 23	7 10	39		8 Fr	6 25	5 59	6 20	68	
9 Tu	7 30	4 46	6 34		9	9 Fr	7 5	5 25	sets.	40		9 Sa	6 23	6 0	sets.	69	
10 W	7 29	4 47	sets.		10	10 Sa	7 4	5 26	7 30	41		10 S	6 21	6 1	7 29	70	
11 Th	7 29	4 48	6 10		11	11 S	7 2	5 27	8 42	42		11 M	6 19	6 2	8 37	71	
12 Fr	7 29	4 49	7 29		12	12 M	7 1	5 29	9 49	43		12 Tu	6 17	6 3	9 44	72	
13 Sa	7 28	4 50	8 44		13	13 Tu	7 0	5 30	10 56	44		13 W	6 16	6 4	10 48	73	
14 S	7 28	4 51	9 54		14	14 W	6 58	5 31	morn.	45		14 Th	6 14	6 6	11 52	74	
15 M	7 27	4 53	11 2		15	15 Th	6 57	5 33	0 1	46		15 Fr	6 12	6 7	morn.	75	
16 Tu	7 27	4 54	morn.		16	16 Fr	6 55	5 34	1 3	47		16 Sa	6 10	6 8	0 53	76	
17 W	7 26	4 55	0 8		17	17 Sa	6 54	5 35	2 5	48		17 S	6 9	6 9	1 51	77	
18 Th	7 26	4 56	1 9		18	18 S	6 52	5 36	3 3	49		18 M	6 7	6 10	2 45	78	
19 Fr	7 25	4 58	2 12		19	19 M	6 51	5 38	2 58	50		19 Tu	6 5	6 11	3 31	79	
20 Sa	7 24	4 59	3 13		20	20 Tu	6 50	5 39	4 49	51		20 W	6 3	6 12	4 12	80	
21 S	7 23	5 0	4 13		21	21 W	6 48	5 41	5 37	52		21 Th	6 2	6 14	4 47	81	
22 M	7 22	5 1	5 11		22	22 Th	6 47	5 42	6 14	53		22 Fr	6 0	6 15	5 18	82	
23 Tu	7 22	5 3	6 5		23	23 Fr	6 45	5 43	rises.	54		23 Sa	5 59	6 16	5 44	83	
24 W	7 21	5 4	rises.		24	24 Sa	6 44	5 45	6 0	55		24 S	5 57	6 17	rises.	84	
25 Th	7 20	5 5	5 2		25	25 S	6 42	5 46	7 4	56		25 M	5 55	6 19	7 3	85	
26 Fr	7 20	5 6	6 3		26	26 M	6 40	5 47	8 9	57		26 Tu	5 53	6 20	8 12	86	
27 Sa	7 19	5 7	7 5		27	27 W	6 38	5 48	9 14	58		27 W	5 52	6 21	9 23	87	
28 S	7 18	5 9	8 9		28	28 Th	6 37	5 49	10 22	59		28 Th	5 50	6 22	10 36	88	
29 M	7 17	5 10	9 11		29	29 Th	6 36	5 50	11 34	60		29 Fr	5 48	6 23	11 50	89	
30 Tu	7 16	5 11	10 15		30							30 Sa	5 46	6 24	morn.	90	
31 W	7 15	5 13	11 22		31							31 S	5 44	6 25	1 0	91	

ECLIPSES IN 1872.

There will be four Eclipses this year, as follows:—

- I. A partial Eclipse of the Moon, May 22; invisible in the United States.
- II. An Annular Eclipse of the Sun, June 5; invisible in North America, except in Washington Territory and the Arctic regions.
- III. A very small Eclipse of the Moon in the evening of November 14th and morning of the 15th; visible, being only one thirty-third of the moon's diameter on the northern limb.
- IV. An Annular Eclipse of the Sun, Nov'r 30; invisible in North America.

CALENDAR FOR 1872.

APRIL.										MAY.										JUNE.															
Moon's Phases.										Moon's Phases.										Moon's Phases.															
New Moon.....		D.	H. M.		First Quarter		Full Moon.....		Third Quarter		New Moon.....		D.	H. M.		First Quarter		Full Moon.....		Third Quarter		New Moon.....		D.	H. M.		First Quarter		Full Moon.....		Third Quarter				
First Quarter		15	4 21 ev.		Full Moon.....		Third Quarter		New Moon.....		First Quarter		15	10 15 mo.		Full Moon.....		Third Quarter		New Moon.....		First Quarter		14	1 29 mo.		Full Moon.....		Third Quarter						
Full Moon.....		23	7 47 mo.		Third Quarter		New Moon.....		First Quarter		Full Moon.....		22	5 18 ev.		Third Quarter		New Moon.....		First Quarter		Full Moon.....		21	1 8 mo.		Third Quarter		New Moon.....						
Third Quarter		30	2 31 mo.		New Moon.....		First Quarter		Full Moon.....		Third Quarter		29	8 23 mo.		New Moon.....		First Quarter		Full Moon.....		Third Quarter		27	3 37 ev.		New Moon.....		First Quarter						
Days of Month.		Days of Week.		Sun Rises.		Sun Sets.		Moon Rises.		Days of Year.		Days of Month.		Days of Week.		Sun Rises.		Sun Sets.		Moon Rises.		Days of Year.		Days of Month.		Days of Week.		Sun Rises.		Sun Sets.		Moon Rises.		Days of Year.	
H		M		H		M		H		M		H		M		H		M		H		M		H		M		H		M		H		M	
1	M	5	43	6	26	2	4	92	1	W	4	55	7	0	2	22	122	1	Sa	4	26	7	30	2	13	153	1	Sa	4	25	7	40	1	7	
2	Tu	5	42	6	28	2	58	93	2	Th	4	53	7	1	2	53	123	2	S	4	25	7	31	2	37	154	2	Fr	4	24	7	31	2	18	
3	W	5	40	6	29	3	41	94	3	Fr	4	52	7	2	3	19	124	3	M	4	25	7	32	3	2	155	3	Tu	4	24	7	32	3	19	
4	Th	5	38	6	30	4	19	95	4	Sa	4	50	7	3	3	45	125	4	Tu	4	24	7	32	3	30	156	4	W	4	24	7	33	sets.	157	
5	Fr	5	36	6	31	4	50	96	5	S	4	49	7	4	4	9	126	5	W	4	24	7	33	sets.	157	5	Th	4	23	7	33	8	18		
6	Sa	5	34	6	32	5	15	97	6	M	4	48	7	5	4	33	127	6	Th	4	23	7	33	8	18	158	6	Fr	4	23	7	34	9	13	
7	S	5	32	6	33	sets.	98	7	Tu	4	47	7	6	sets.	128	7	Fr	4	23	7	34	9	13	159	7	Sa	4	23	7	35	10	2			
8	M	5	31	6	34	7	25	99	8	W	4	46	7	7	8	26	129	8	Sa	4	23	7	35	10	2	160	8	S	4	22	7	35	10	43	
9	Tu	5	29	6	35	8	32	100	9	Th	4	45	7	8	9	29	130	9	S	4	22	7	35	10	43	161	9	M	4	22	7	36	11	19	
10	W	5	27	6	36	9	37	101	10	Fr	4	44	7	9	10	26	131	10	M	4	22	7	36	11	19	162	10	Tu	4	22	7	36	11	50	
11	Th	5	26	6	37	10	40	102	11	Sa	4	43	7	10	11	19	132	11	Tu	4	22	7	36	11	50	163	11	W	4	22	7	37	morn	164	
12	Fr	5	24	6	38	11	40	103	12	S	4	42	7	11	morn	133	12	W	4	22	7	37	morn	164	12	Th	4	22	7	37	0	16	165		
13	Sa	5	23	6	40	morn	104	13	M	4	41	7	12	0	4	134	13	Th	4	22	7	37	0	16	165	13	Fr	4	22	7	38	0	40	166	
14	S	5	21	6	41	0	36	105	14	Tu	4	40	7	13	0	44	135	14	Fr	4	22	7	38	0	40	166	14	Tu	4	22	7	38	1	2	167
15	M	5	19	6	42	1	25	106	15	W	4	39	7	14	1	19	136	15	Sa	4	22	7	38	1	2	167	15	W	4	22	7	39	1	51	168
16	Tu	5	18	6	43	2	9	107	16	Th	4	38	7	15	1	48	137	16	S	4	22	7	38	1	26	168	16	Th	4	22	7	39	1	51	169
17	W	5	16	6	44	2	46	108	17	Fr	4	37	7	16	2	14	138	17	M	4	22	7	39	1	51	169	17	Tu	4	22	7	39	2	17	170
18	Th	5	14	6	45	3	19	109	18	Sa	4	36	7	17	2	37	139	18	Tu	4	22	7	39	2	17	170	18	W	4	22	7	39	2	51	171
19	Fr	5	13	6	47	3	45	110	19	S	4	36	7	18	3	2	140	19	W	4	22	7	39	2	51	171	19	Th	4	22	7	39	rises.	172	
20	Sa	5	11	6	48	4	12	111	20	M	4	35	7	19	3	25	141	20	Th	4	22	7	39	rises.	172	20	Fr	4	23	7	39	8	32	173	
21	S	5	10	6	49	4	36	112	21	Tu	4	34	7	20	3	52	142	21	Fr	4	23	7	39	8	32	173	21	Sa	4	23	7	39	9	33	174
22	M	5	8	6	50	rises.	113	22	W	4	33	7	21	rises.	143	22	Sa	4	23	7	40	10	20	175	22	Th	4	23	7	40	10	57	176		
23	Tu	5	6	6	51	7	6	114	23	Th	4	32	7	22	8	33	144	23	S	4	23	7	40	10	20	175	23	Fr	4	23	7	40	11	29	177
24	W	5	5	6	52	8	21	115	24	Fr	4	32	7	23	9	46	145	24	M	4	23	7	40	10	57	176	24	Tu	4	23	7	40	11	54	178
25	Th	5	3	6	53	9	37	116	25	Sa	4	31	7	24	10	50	146	25	Tu	4	23	7	40	11	29	177	25	W	4	23	7	40	morn	179	
26	Fr	5	2	6	54	10	51	117	26	S	4	30	7	25	11	42	147	26	W	4	23	7	40	morn	179	26	Th	4	24	7	40	0	19	180	
27	Sa	5	1	6	55	11	59	118	27	M	4	29	7	26	morn	148	27	Th	4	24	7	40	0	19	180	27	Fr	4	24	7	40	0	45	181	
28	S	4	59	6	56	morn	119	28	Tu	4	29	7	27	0	24	149	28	Fr	4	24	7	40	0	45	181	28	Sa	4	24	7	40	1	7	182	
29	M	4	58	6	58	0	56	120	29	W	4	28	7	28	0	58	150	29	Sa	4	24	7	40	1	7	182	29	Th	4	25	7	40			
30	Tu	4	56	6	59	1	44	121	30	Th	4	27	7	28	1	25	151	30	S	4	25	7	40				30	Fr	4	26	7	29	1	50	152

D. M. OSBORNE & CO.

GENTS:—I would say in regard to the Reaper I purchased of your agent last harvest. It gives me entire satisfaction and does all that it was recommended to do. I cut my sowed corn with it, (which was very heavy,) and did not see but what it went through as easy as it did in my wheat. I think it the simplest, *easiest running, easiest to control and the most reliable* Reaper in the market, and recommend it as A. No. 1 always. Respectfully yours, R. G. JACKSON.

Respectfully yours,

R. G. JACKSON.

BARRY, N. Y., Dec. 28, 1871.

CALENDAR FOR 1872.

JULY.							AUGUST.							SEPTEMBER.												
Moon's Phases.							Moon's Phases.							Moon's Phases.												
New Moon.....	D.	5	H.	0	M.	35 ev.	New Moon.....	D.	4	H.	3	M.	55 mo.	New Moon.....	D.	2	H.	7	M.	3 ev.						
First Quarter.....	13	1	53	ev.			First Quarter.....	12	0	2	mo.			First Quarter.....	10	8	13	mo.								
Full Moon.....	20	8	3	mo.			Full Moon.....	18	3	3	ev.			Full Moon.....	16	11	14	ev.								
Third Quarter.....	27	1	29	mo.			Third Quarter.....	25	2	45	ev.			Third Quarter.....	24	7	31	mo.								
Days of Month.	Days of Week.	Sun Rises.		Sun Sets.		Moon Rises.		Days of Month.	Days of Week.	Sun Rises.		Sun Sets.		Moon Rises.		Days of Month.	Days of Week.	Sun Rises.		Sun Sets.		Moon Rises.		Days of Month.		
		H	M	H	M	H	M			H	M	H	M	H	M			H	M	H	M	H	M			
1	M	4	25	7	40	1	33	183	1	Th	4	52	7	20	2	4	1	S	5	24	6	35	3	43	245	
2	Tu	4	26	7	40	2	4	184	2	Fr	4	53	7	19	2	55	2	M	5	26	6	33	sets.	246		
3	W	4	27	7	40	2	39	185	3	Sa	4	54	7	18	3	49	3	Tu	5	27	6	32	7	16	247	
4	Th	4	27	7	39	3	20	186	4	S	4	55	7	16	sets.	217	4	W	5	28	6	30	7	38	248	
5	Fr	4	28	7	39	sets.	187	5	M	4	56	7	15	8	23	218	5	Th	5	29	6	28	8	1	249	
6	Sa	4	29	7	39	8	42	188	6	Tu	4	57	7	14	8	49	219	6	Fr	5	30	6	26	8	24	250
7	S	4	29	7	39	9	19	189	7	W	4	58	7	13	9	11	220	7	Sa	5	31	6	25	8	49	251
8	M	4	30	7	38	9	52	190	8	Th	4	59	7	11	9	34	221	8	S	5	32	6	23	9	20	252
9	Tu	4	31	7	38	10	20	191	9	Fr	5	0	7	10	9	56	222	9	M	5	33	6	21	9	56	253
10	W	4	32	7	38	10	44	192	10	Sa	5	1	7	9	10	20	223	10	Tu	5	35	6	19	10	43	254
11	Th	4	33	7	37	11	7	193	11	S	5	2	7	8	10	47	224	11	W	5	36	6	17	11	39	255
12	Fr	4	33	7	37	11	30	194	12	M	5	3	7	7	11	19	225	12	Th	5	37	6	15	morn	256	
13	Sa	4	34	7	36	11	53	195	13	Tu	5	4	7	5	12	0	226	13	Fr	5	38	6	14	0	48	257
14	S	4	35	7	36	morn	196	14	W	5	5	7	4	morn	227	14	Sa	5	39	6	12	2	4	258		
15	M	4	36	7	35	0	17	197	15	Th	5	6	7	2	0	52	228	15	S	5	40	6	10	3	23	259
16	Tu	4	37	7	34	0	47	198	16	Fr	5	7	0	1	56	229	16	M	5	41	6	8	rises.	260		
17	W	4	37	7	34	1	24	199	17	Sa	5	8	6	59	3	10	230	17	Tu	5	42	6	6	6	44	261
18	Th	4	38	7	33	2	10	200	18	S	5	9	6	57	rises.	231	18	W	5	43	6	5	7	10	262	
19	Fr	4	39	7	32	rises.	201	19	M	5	10	6	55	7	53	232	19	Th	5	44	6	3	7	37	263	
20	Sa	4	40	7	32	8	10	202	20	Tu	5	11	6	54	8	21	233	20	Fr	5	45	6	1	8	3	264
21	S	4	41	7	31	8	53	203	21	W	5	12	6	52	8	47	234	21	Sa	5	46	6	0	8	36	265
22	M	4	42	7	30	9	26	204	22	Th	5	14	6	51	9	11	235	22	S	5	47	5	58	9	11	266
23	Tu	4	43	7	29	9	56	205	23	Fr	5	15	6	50	9	37	236	23	M	5	48	5	56	9	53	267
24	W	4	44	7	28	10	21	206	24	Sa	5	16	6	48	10	6	237	24	Tu	5	50	5	55	10	41	268
25	Th	4	45	7	27	10	46	207	25	S	5	17	6	47	10	38	238	25	W	5	51	5	53	11	34	269
26	Fr	4	46	7	26	11	10	208	26	M	5	18	6	45	11	17	239	26	Th	5	52	5	51	morn	270	
27	Sa	4	47	7	25	11	27	209	27	Tu	5	19	6	44	11	59	240	27	Fr	5	53	5	49	0	32	271
28	S	4	48	7	24	morn	210	28	W	5	20	6	42	morn	241	28	Sa	5	54	5	47	1	30	272		
29	M	4	49	7	23	0	6	211	29	Th	5	21	6	40	0	49	242	29	S	5	55	5	46	2	33	273
30	Tu	4	50	7	22	0	39	212	30	Fr	5	22	6	39	1	44	243	30	M	5	56	5	44	3	36	274
31	W	4	51	7	21	1	18	213	31	Sa	5	23	6	37	2	42	244									

KNOWLESVILLE, N. Y., Jan. 5, 1872.

D. M. OSBORNE & CO.

GENTLEMEN:—Last harvest I purchased one of your Burdick Self-Raking Reapers, and since that time have tested it thoroughly in every respect by the side of other machines called first-class, reaping all kinds of grain, both long and short. It works very nice in short barley, and I have come to the conclusion that for durability, lightness of draft, and ease of management it has but few if any equals.

Yours truly,

O. S. LEWIS.

THE KIRBY HARVESTING MACHINES.

CALENDAR FOR 1872.

OCTOBER.										NOVEMBER.										DECEMBER.									
Moon's Phases.										Moon's Phases.										Moon's Phases.									
New Moon.....	D. 2	H. M. 9 40 mo.								New Moon.....	D. 1	H. M. 11 33 31st								First Quarter	D. 7	H. M. 5 46 mo.							
First Quarter	9	3 14 ev.								First Quarter	7	10 1 ev.								Full Moon.....	14	3 54 ev.							
Full Moon.....	16	9 44 mo.								Full Moon.....	14	11 18 ev.								Third Quarter	22	8 22 ev.							
Third Quarter	24	3 3 mo.								Third Quarter	23	11 55 22d								New Moon.....	30	0 46 mo.							
New Moon.....	30	0 44 ev.								New Moon.....	30	0 44 ev.																	

Days of Month.	Days of Week.	Sun Rises.	Sun Sets.	Moon Rises.	Days of Year.	Days of Month.	Days of Week.	Sun Rises.	Sun Sets.	Moon Rises.	Days of Year.	Days of Month.	Days of Week.	Sun Rises.	Sun Sets.	Moon Rises.	Days of Year.
H M	H M	H M	H M	H M		H M	H M	H M	H M	H M		H M	H M	H M	H M	H M	
1	Tu	5 57	5 42	4 39	275	1	Fr	6 33	4 53	sets.	306	1	S	7 10	4 28	5 15	336
2	W	5 58	5 40	sets.	276	2	Sa	6 34	4 52	5 54	307	2	M	7 11	4 28	6 15	337
3	Th	5 59	5 39	6 27	277	3	S	6 35	4 51	6 34	308	3	Tu	7 12	4 28	7 25	338
4	Fr	6 1	5 37	6 52	278	4	M	6 36	4 50	7 26	309	4	W	7 13	4 28	8 40	339
5	Sa	6 2	5 36	7 21	279	5	Tu	6 38	4 49	8 28	310	5	Th	7 14	4 28	9 56	340
6	S	6 3	5 34	8 38	280	6	W	6 39	4 47	9 38	311	6	Fr	7 15	4 28	11 13	341
7	M	6 4	5 32	9 32	281	7	Th	6 40	4 46	10 52	312	7	Sa	7 16	4 28	morn	342
8	Tu	6 5	5 31	9 32	282	8	Fr	6 42	4 45	morn	313	8	S	7 17	4 28	0 25	343
9	W	6 6	5 29	10 35	283	9	Sa	6 43	4 44	0 7	314	9	M	7 18	4 28	1 34	344
10	Th	6 8	5 27	11 48	284	10	S	6 44	4 43	1 21	315	10	Tu	7 19	4 28	2 42	345
11	Fr	6 9	5 26	morn	285	11	M	6 46	4 42	2 33	316	11	W	7 20	4 28	3 49	346
12	Sa	6 10	5 24	1 4	286	12	Tu	6 47	4 41	3 42	317	12	Th	7 21	4 28	4 57	347
13	S	6 11	5 22	2 20	287	13	W	6 48	4 40	4 53	318	13	Fr	7 22	4 28	6 3	348
14	M	6 12	5 21	3 35	288	14	Th	6 50	4 39	rises.	319	14	Sa	7 23	4 28	rises.	349
15	Tu	6 13	5 19	4 49	289	15	Fr	6 51	4 38	5 2	320	15	S	7 24	4 29	5 4	350
16	W	6 14	5 17	rises.	290	16	Sa	6 52	4 37	5 39	321	16	M	7 24	4 29	5 58	351
17	Th	6 15	5 15	6 2	291	17	S	6 53	4 36	6 23	322	17	Tu	7 25	4 29	6 55	352
18	Fr	6 17	5 14	6 32	292	18	M	6 54	4 35	7 13	323	18	W	7 25	4 29	7 55	353
19	Sa	6 18	5 12	7 11	293	19	Tu	6 55	4 34	8 8	324	19	Th	7 26	4 30	8 55	354
20	S	6 19	5 11	7 45	294	20	W	6 57	4 34	9 6	325	20	Fr	7 26	4 30	9 57	355
21	M	6 20	5 9	8 32	295	21	Th	6 58	4 33	10 6	326	21	Sa	7 27	4 31	10 57	356
22	Tu	6 21	5 8	9 23	296	22	Fr	6 59	4 32	11 8	327	22	S	7 27	4 31	11 58	357
23	W	6 22	5 6	10 20	297	23	Sa	7 0	4 31	morn	328	23	M	7 28	4 32	morn	358
24	Th	6 23	5 5	11 19	298	24	S	7 2	4 31	0 9	329	24	Tu	7 28	4 32	1 0	359
25	Fr	6 25	5 3	morn	299	25	M	7 3	4 30	1 12	330	25	W	7 28	4 33	2 5	360
26	Sa	6 26	5 2	0 20	300	26	Tu	7 4	4 30	2 13	331	26	Th	7 29	4 33	3 14	361
27	S	6 27	5 0	1 22	301	27	W	7 5	4 29	3 17	332	27	Fr	7 29	4 34	4 26	362
28	M	6 28	4 59	2 24	302	28	Th	7 6	4 29	4 27	333	28	Sa	7 29	4 34	5 43	363
29	Tu	6 29	4 57	3 20	303	29	Fr	7 8	4 29	5 39	334	29	S	7 29	4 35	6 58	364
30	W	6 30	4 55	4 31	304	30	Sa	7 9	4 28	6 53	335	30	M	7 30	4 36	sets.	365
31	Th	6 32	4 54	5 39	305							31	Tu	7 30	4 37	6 18	366

D. M. OSBORNE & CO.

RIDGWAY, N. Y., Dec. 26, 1871.

GENTS:—I bought of your agent a Kirby machine six years ago. It has always been ready to work all day, and has never failed me once. Cost very little to keep in repair, and the greatest fault I find with it is that it may never wear out, for I want a new one with Self-Rake. This fall I put it to a very severe test, I cut seven acres black cap raspberry bushes (very large). It never flinched once, not even breaking a knife. Show me the machine that will do that and come out sound.

Yours respectfully,

E. I. POTTER.

THE KIRBY HARVESTING MACHINES.



D. M. OSBORNE & CO.

SHELBY, N. Y., Dec. 26, 1871.

GENTS:—Last harvest, I bought a Reaper of your agent (Theo. Stewart). After a most severe test during a week with the Dodge, Poughkeepsie Buckeye, and your machine, I got through with the Dodge the first day. I had very heavy wheat and heavy ditches, and always go into the lot to do a day's work. I run the two machines until there was not a tight bolt in the Buckeye; but your machine stood the test in every respect. I think it will run where no other machine can. I can cut thick or thin, down or standing grain of any kind, and I challenge the world to bring a machine in my lot and beat it.

Truly yours, S. A. POLER.

D. M. OSBORNE & CO.

MEDINA, N. Y., Jan. 6, 1872.

GENTS:—The double joint in your two wheeled Mower I purchased this haying, makes it a perfect success. Working over rough and uneven ground without binding or cramping knives or machine. Handles very easy and is very light for team. Wishing you success, I am truly yours,

GEO. H. ALFORD.

Below we give the names and address of a few farmers who have used our machines for a number of years, whom we have happened to meet in our office at Auburn.

NAME.	POST OFFICE.	No. of years in use.	Paid for Repairs.
Dan'l M. Prescott...	New Hartford, N. Y.	10	15 00
Henry Dodge.....	Washington Mills, "	Mowed 1000 acres.	7 15
William Gilmore...	Fosterville, "	9	4 75
Geo. Olmstead.....	Auburn, "	13	4 30
A. Main.....	Geneva, "	10	3 42
Ephraim Main.....	Scipio, "	13	1 50
S. B. Campbell.....	Conquest, "	5	3 10
Alpha Westbrook...	Tyre, "	7	5 00
Thomas Becker.....	Borodino, "	10	4 60
H. L. Armstrong...	Marcellus, "	7	4 00
E. M. Tréat.....	Port Byron, "	7	4 25
E. Shaw.....	King's Ferry, "	7	2 00
W. H. Osborne.....	Clyde, "	7	2 50
C. Brown.....	"	7	2 50
S. H. Searing.....	Fleming, "	10	5 00
Wm. H. Robinson...	Scipioville, "	12	10 20
Ephram Andrews...	Venice, "	11	4 00
B. F. Van Cleef.....	Seneca Falls, "	11	6 75
E. Cuddlehead.....	Waterloo, "	9	2 00
Alfred Reynolds.....	King's Ferry, "	8	2 50

THE KIRBY HARVESTING MACHINES.



THE NEW KIRBY TWO-WHEEL MOWER.
"PASSING AN OBSTRUCTION."
KNIVES IN FULL PLAY AND DRIVER IN HIS SEAT.

For Description, and other Illustrations, see pages 15, 16 and 17.