

1876.

WILBER'S EUREKA MOWER, DIRECT DRAFT.



MANUFACTURED BY THE
Towanda Eureka Mower Co.,
TOWANDA, PA.

=====

OFFICERS:

JOHN A. CODDING, President.
E. T. ELLIOTT, Treasurer.

L. F. GARDNER, Gen'l Manager.
J. D. WILBER, Supt.

W. G. TRACY, Clerk.

=====

DIRECTORS:

JOHN A. CODDING.
MILTON A. FOWLER.
V. E. PIOLLET.

J. F. MEANS.
JNO. S. WING.
S. D. MADDIN.

J. M. WARD.

=====

OFFICE OF
THE TOWANDA EUREKA MOWER CO.; }
TOWANDA, BRADFORD COUNTY, PA.

Farmers and Husbandmen of America, we solicit your trade for the coming Harvest, and that you may know somewhat of the benefits you may derive, by dealing with us, we ask a careful reading of this Circular, and close examination of the DIRECT DRAFT EUREKA MOWER which stands unsurpassed, unequalled. Competing in frequent trials during the past season, her crowning victory was won at the great Binghamton Trial, July 20 and 21, 1875. The FIRST PREMIUM GOLD MEDAL, was awarded the EUREKA. The 2nd Premium, Diploma, was awarded to the "Buckeye," (Pokeepsie). The DIRECT DRAFT EUREKA is now recognized. The strong bulwarks of jealousy and prejudice are breaking away. Real merit, importunate, persistent, compels recognition, and to-day the EUREKA is conceded a place at the front, even by its competitors.

We thank our many friends for the strong support they have given us the past season. Competition has been sharp; and in not a few cases we have met unmanly and unprincipled agents, who, failing in their attempts to break down the fast growing popularity and appreciation of the DIRECT DRAFT MOWER, have circulated false, base and pernicious reports, intended to injure and embarrass the Company. But we go before the farmers and husbandmen of America, with a Mower of real merit, thoroughly practical and altogether reliable.

No fact in the history of the manufacture of Mowing Machines has been more completely demonstrated than that the best principle on which to build machinery for cutting grass is the one adopted by us, viz: DIRECT DRAFT.

This principle has the warrant of *reason and common sense*, and now the test of time in the thorough trial and use of the Mowers themselves cannot be denied to have been ample and satisfactory.

The experimental period is in the past, the requisite perfection of a Mower on this principle has been attained, and the EUREKA Mower is positively declared to be a great success by all who are practically acquainted with it.

It is with commendable pride that we invite you to carefully investigate the following CLAIMS to SUPERIORITY that are made for the DIRECT DRAFT EUREKA MOWER.

**Points of Superiority and Advantages Claimed for Wilber's Direct Draft
Eureka Mower.**

1st—ABSOLUTE DIRECT DRAFT.—A principle all Mowing Machine Inventors and Manufacturers have been trying to arrive at for years, and which several claim to have achieved, notwithstanding the mechanical fact that the cutter bar is located on one side.

Although to accomplish this we drive one horse in the standing grass, we are enabled to cut the grass trampled by using a long neck-yoke and whiffletrees, and placing the horses outside the cut—cutting against the lodge of the trampled grass on the return of the machine—always mowing on one side of the piece or lot.

2d—REVERSIBILITY.—Which gives the choice of the side to mow on, working the machine back and forth on the side hills, cutting back and forth across lodged grass, cutting across dead furrows instead of mowing with them, always cutting long swaths—all features of great advantage in practical work.

3d—EASE OF DRAFT.—Admitting the use of a five feet or six feet cutter bar, without overworking the horses. By practical use we have fully demonstrated that a six feet bar is worked with less power than required on the average to work a cutter bar four feet long on side cut mowers.

4th—RAPIDITY OF CURING.—Caused by leaving the cut grass nearly standing—the most favorable position for the sun and air to have full effect upon *every part of it*. Nothing more is necessary for curing rapidly and evenly. The side cut mowers are compelled to drive horses and mower over the cut grass, leaving it in a flat and compacted position, the top only being exposed to the air and sun, which is over-cured, while the grass is still green under.

5th—BETTER HAY.

6th—TEDDERS ARE USELESS, and in fact an injury when used after the Eureka.

7th—SUPERIOR CONFORMITY TO SURFACE.—Obtained by the use of the NEW FLOATING FINGER BAR.

8th—SIMPLICITY OF CONSTRUCTION.—Doing away with the bevel gear, and other "complicated and expensive features" of the old side-cut principle.

The use of WILBER'S EUREKA MOWER enables the farmer to cut grass rapidly and cure quickly and evenly. By rapid cutting the extra time gained for curing is of immense importance, coming as it does in most cases during the middle of the day, when the sun is at the meridian. This, together with the very favorable position of the grass, ensures early gathering of the hay, often saving it from the afternoon showers.

By curing evenly a far better quality of hay is obtained.

On all of the above named points we challenge a thorough, exhaustive, practical examination and test in the field by every farmer who intends to purchase a Mower.

For further information address

TOWANDA EUREKA MOWER CO.

DESCRIPTION.

The wheels are large and set directly back of the ends of the cutter-bar, which is consequently directly in front of the machine.

The cutter-bar is either four feet three inches, five, five and one-half, or six feet long, can be set to cut any required height, and is raised by the driver to pass obstructions with perfect ease.

The machine has no bevel gearing, spur gear being used throughout. It has all the advantages of a jointed bar, and readily adapts itself to the unevenness of the ground.

The bar being in front, obstacles are more readily seen and avoided than when the bar is at one side.

The pitman works at right angles with the knife, consequently there is not the jar which is so unpleasant and objectionable in all machines where both are in the same line. It is always in the same relative position to the knife, and works equally well whatever the position of the cutter-bar.

The machine can be oiled, obstacles can be removed from the guards, and the bar folded without the driver getting off.

It is readily thrown out of gear by hand or foot, and backs out of gear.

It rides very easy, and affords greater safety to the driver than any other machine.

The horses are placed far apart, with a long neck-yoke and eveners, and in use the machine is driven like a side-hill plow or a horse rake, back and forth on the same side of the piece. One horse walks in the standing grass entirely beyond the cut, pressing it down in the opposite direction, from which the next cut will be made. The other walks in the cleared track, outside the standing grass.

The harvests of the past six years have fully demonstrated that OATS and BARLEY can be cut with the EUREKA MOWER to great advantage, and then raked with a horse-rake.

The Great Superiority of the "EUREKA" DIRECT DRAFT AND DIRECT CUT over all Side Draft and Side Cut Mowers is ably supported by the following extracts from committees' reports:

Twenty-three entries were made for competition at the great field trial at Rutland, Vt., in July, 1872, and after four days trial of the competing mowers in different grasses and bottoms the

FIRST PREMIUM. GRAND GOLD MEDAL,

OF THE
VERMONT STATE AGRICULTURAL SOCIETY,

WAS AWARDED THE
DIRECT DRAFT EUREKA MOWER.

The Second Premium "Silver Medal," to St. Albans Buckeye. Third Premium "Bronze Medal," to Kirby. Fourth Premium, "Diploma," to the Wood.

THE FIRST PREMIUM, Grand Gold Medal,

OF THE
BROOME COUNTY AGRICULTURAL SOCIETY,

WAS AWARDED TO
THE DIRECT DRAFT EUREKA MOWER,

At the Great Trial at Binghamton, N. Y., July 20 and 21, 1875. Second Premium, Diploma, Pokeepsie, "Buckeye."

Committee's Report on "Draft" at the Binghamton Trial.

It will be of special interest to the farmer who wants a new machine.

No. Mower.	Name of Machine.	Length of Cutter Bar.	Draft when Mowing.	Draft out of Gear.	Draft in gear out of Grass.	Average Draft per foot.
1	Yankee	4 ft. 2 in.	246	71	181	59 1-25 lbs.
2	Crawford	4	204	98	124	51
3	Cayuga Chief. ...	4 1	197	109	129	48 12-40.
4	Wood's Eagle ...	4	180	80	91	45
5	EUREKA	6 Feet.	165	71	86	27 1-2.
6	Buckeye Impro'd	4	150	69	84	37 1-2.
7	Kirby	4 3	189	78	100	44 8-17.
8	Bradley	4 3	180	78	85	42 6-17.
9	Warrior	4 3	179	90	105	43 2-17.
10	Ceres	4 3	211	75	101	49 11-17.

It will be seen by the above table that the DIRECT DRAFT EUREKA, with SIX FOOT Cutter Bar, drew 27 8-9 pounds LIGHTER than the average draft of the nine competing side draft machines—a conclusive proof that the EUREKA MOWER is the LIGHTST DRAFT MOWER in the country.

LOSING BARBIT.



The Direct Draft Wilber's Eureka Mower is warranted to be of good workmanship and materials; to be easy for a team; to leave the grass light and loose, (untrampled;) to cure rapidly, and to do first-class work when properly operated.

The EUREKA is so simple in its construction that we are enabled to offer it at a price much below other standard machines of the same capacity. The Company are making and putting into market four different sizes, as follows:

A Mower, Wood Frame, 6 feet Cutter-bar.....	\$125 00
B Mower, Wood Frame, 5½ feet Cutter-bar.....	115 00
C Mower, Wood Frame, 5 feet Cutter-bar.....	105 00
D "Baby" Mower, Iron Frame, 4 feet 3 inch Cutter-bar.....	85 00

Delivered on Cars in Towanda, Pa.

Furnished with each machine are eveners and whiffletrees, neck-yoke, two knives, two sections, one guard and one guard bolt, rivets, screw-wrench, cold chisel, punch and oil can.

Our agents will be furnished with extra parts for the Eureka Mower, so that purchasers of the machine can be supplied by application to them.

The attention of farmers is especially called to our NEW FLOATING FINGER BAR which gives (unequalled conformity) to the surface and is one of the greatest improvements made on the Eureka since its introduction. And in our new IRON FRAME MOWER, which for strength, durability and ease of handling, will commend itself to the farmers generally.

This Mower will meet the wants of the farmer having rough or stumpy ground, side hill, or low wet bottoms, and will especially attract the attention of the farmer having but thirty or forty acres of grass to cut, because of its very low price.

The CHANGES made on the Eureka Mower, were thoroughly tested during the past season. THESE IMPROVEMENTS add very much to the value of the machine, and give it still greater advantages over the small side cut mower so generally in use.

Our increased confidence in its GREAT SUPERIORITY is evinced in the following:

The DIRECT DRAFT EUREKA MOWER CANNOT be EQUALLED by any side cut Mower on the following important points:

1st. Time of cutting. 2d. Power expended. 3d. Quality of work which is the condition of the stubble and the way the grass is left for curing. 4th. Time of curing the grass—no tedder to be used. 5th. Quality of hay. 6th. Economy of cost in gathering a hay crop. 7th. Durability of Machine.

It is highly important that all hay producers who are not acquainted with this fact—THE VERY GREAT SUPERIORITY OF DIRECT DRAFT OVER SIDE CUT—should be settled in their minds by a thorough and exhaustive comparative test trial before competent judges.

Therefore, We, The Towanda Eureka Mower Company, will PRESENT any Manufacturer \$1,000 who will meet us in a trial during the harvest of 1876 and succeed in equaling the Eureka Mower on the above named points by using a Side Cut Mower. The unsuccessful party to pay all expenses.

TOWANDA, PA., Feb. 1st. 1876.

TOWANDA EUREKA MOWER CO.

IMPORTANT TESTIMONIALS.

We take the following extracts from the Elmira, (N. Y.,) Farmer's Club proceedings of May 8. This club ranks high for reliability and sound discretion of members as any on the American continent, and the comments on a direct draft mower will be all the more appreciated on that account.

A farmer of Luzerne County, Pennsylvania, sends in these queries:

KINGSTON, PENN., May 5th, 1875.

W. A. ARMSTRONG.—Being one of those who derive much valuable information from the proceedings of your club, I take the liberty of asking if any of your members know from practical test of the working of the Eureka Mower? If so, does it work well on rough and uneven ground, and does the grass cure more quickly than when mown with other machines, on account of the horses

and mower not running over it? I admire the offer this company is making to establish direct dealing with the farmer, and if their mower is practicable—as it seems to be—would like to patronize them. Very respectfully, J. B. S.

W. A. ARMSTRONG—There is evident advantage in the manner of leaving the grass by the Eureka Mower. All other mowers with which I am acquainted pass one wheel over the cut grass packing it closely to the ground, and one horse tramps upon it with the same effect. There are two injurious results attending this packing. First, it prevents quick drying; and second, the bruised grass is damaged in quality; for the juices, instead of drying into palatable food, are subject to chemical changes which convert the nutritive properties into useless matter just to that extent in which the green grass is bruised. On hard bottom meadow with a medium crop, the broad face of the wheel rolling upon every swath bruises a considerable portion of the whole. I have witnessed the work of the Eureka, and in these two important particulars it is better than the work of any machine which runs over the swath. Besides, the cut grass is left in the loosest condition, admitting currents of air to effect speedy curing, which is essential to secure the finest hay.

PRESIDENT HOFFMAN—The questions brought to us in the letter are fair. They deserve our consideration because they effect our interests. We have in this club been very careful about recommending seeds or implements until we have made full tests, and we intend to be careful that none may be misled.

I used a Eureka Mower in the last haying, cutting a hundred acres with it—some of it extremely rough hillside, on which there were many large stones. It had been mowed many times before, but always with a scythe. I went over it with the Eureka and cut it well, and the machine came out well from the severe trial. There is an important advantage in the use of this mower, in the cutting back and forth, making a compact piece more easy to gather than when the cut is round the field or a piece, as by the side-cutting machines. And there is a further advantage in the raking. The grass will gather cleaner from the swaths of the Eureka than from any other machine I have used. Running in parallel lines across one side of the field, the rake comes more constantly against the side of the swaths, if the grass is of so fine a character as to make the raking difficult.

Besides the rough ground, I cut on flat, smooth meadow. I felt sure that the direct draft was easier than by the side cut machines. It is true also that the curing is more even and rapid, owing to the condition in which the grass is left.

There was in my machine a mechanical defect—a lack of metal in two important points. I learn that in the present manufacture this has been corrected.

I apprehended that in very heavy grass the machine would load, but I am satisfied after trial that it will not. I speak of it and of its work as they appeared to me. I confess to disappointment. I did not expect such ability to meet difficulties as I found. The hill side which I mowed was a severe test, and there were twenty-five acres of it. In driving a wagon along the slope to gather crops, I have found it necessary to chain a lever to the upper side and weight it to prevent upsetting. Of course the mower would slide so that I could not get a full swath, but it only made the work slower.

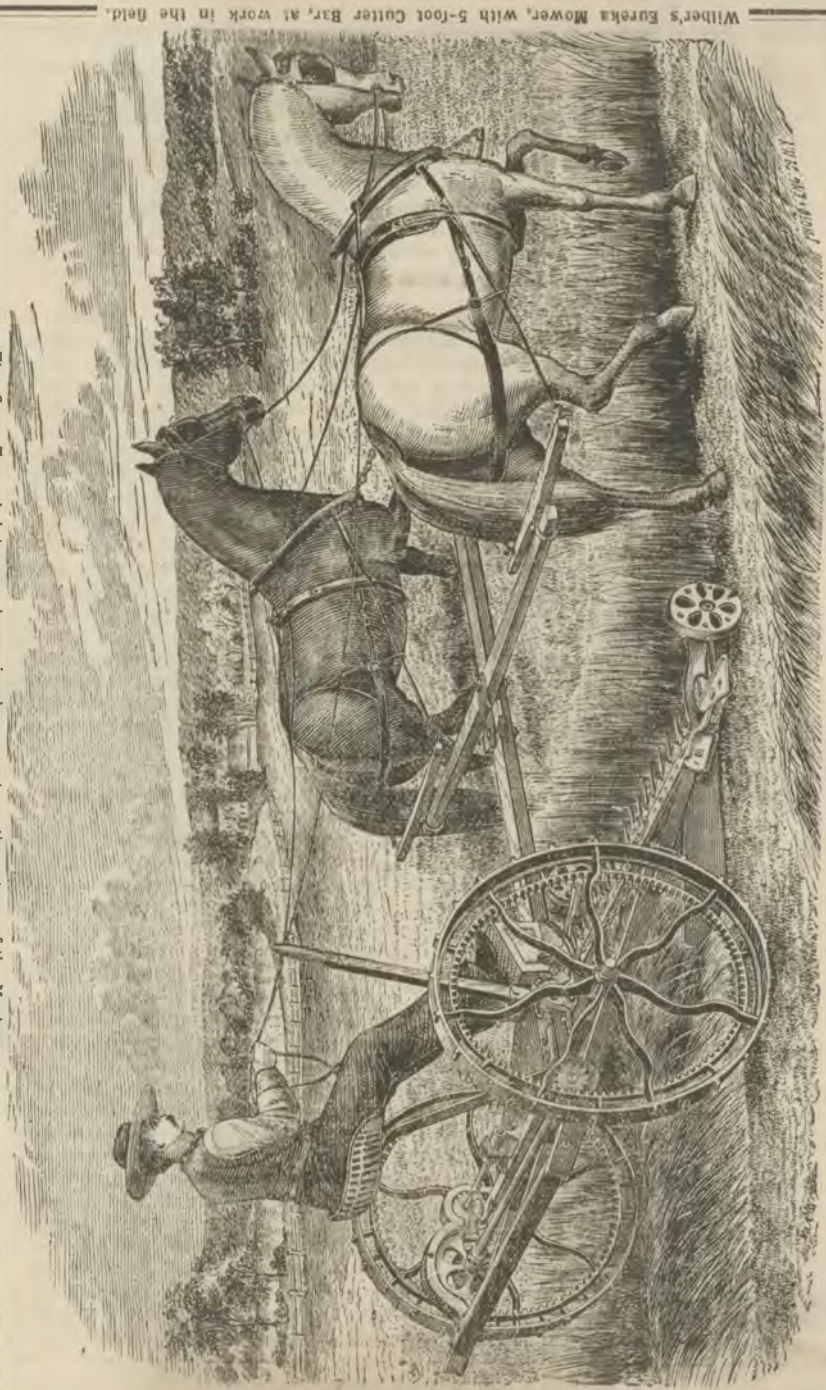
AN ENGLISH FARMER'S TESTIMONY.

HESTON FARM, NORTH HOUNSLOW, MIDDLESEX W., July 19, 1875.

DEAR SIR:—I have much pleasure in testifying my entire approval of the "EUREKA" Mower, and have no hesitation in saying, in my opinion, it cuts better, and takes more ground than any other machine; and the fact of its following directly behind the horses, does not distress them, as other machines do; the wear and tear is also much less. I have cut at present with the "EUREKA" about 45 acres, on bad ground, and have not broken a single point. I can with the "EUREKA" cut several acres more per day, than with any other machine I have been in the habit of using.

JAMES ROBINSON.

The Eureka is driven back and forth on one side of the piece. The horses are placed wide apart—outside the cut.



Wilber's Eureka Mower, with 5-foot Cutter Bar, at work in the field.

The Grass Trampled by one horse is always cut on the return of the Machine.