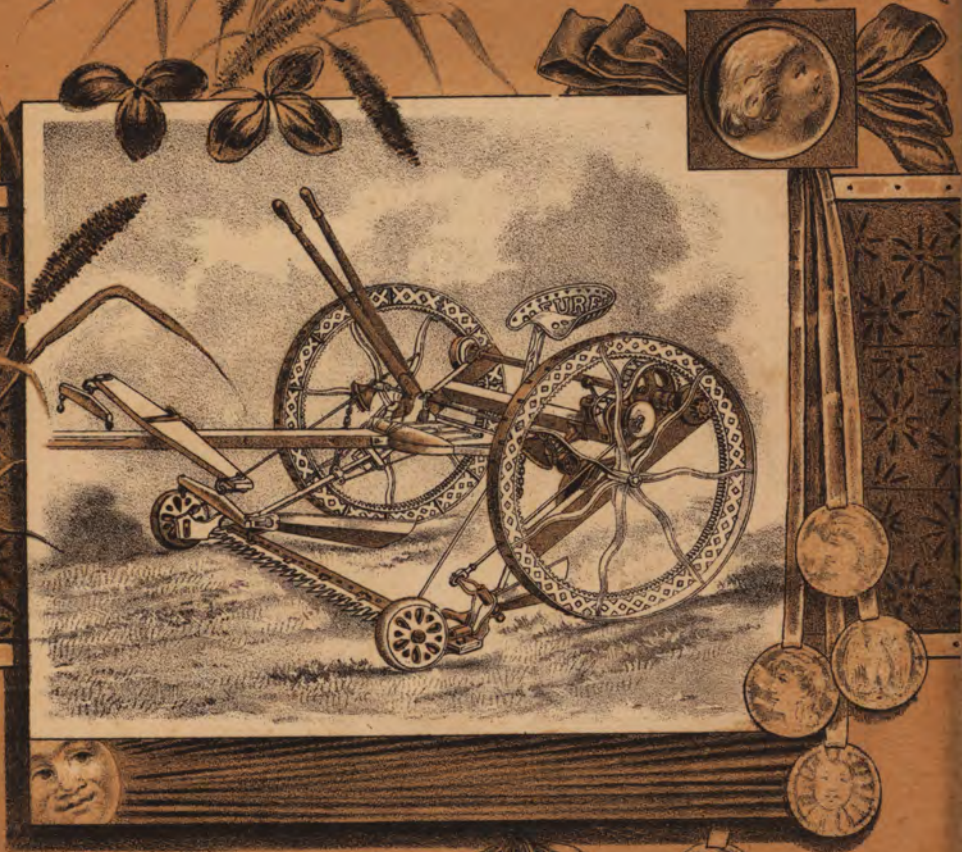


EUREKA MOWER



MANUFACTURED BY

Eureka Mower Co.
UTICA, N. Y.

ANNUAL CATALOGUE

EUREKA MOWER COMPANY,

SOLE MANUFACTURERS OF THE BROAD-CUT, DIRECT DRAFT,

EUREKA MOWER

AND

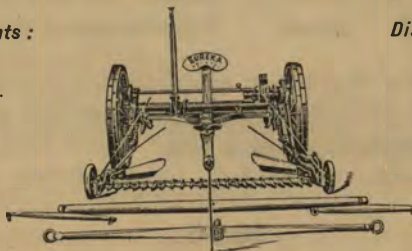
Eureka Spring Tooth Harrow and Cultivator

MANUFACTORY AND GENERAL OFFICE

UTICA, N. Y., U. S. A.

Distributing Points :

PORTLAND, ME.
SPRINGFIELD, MASS.
HARRISBURG, PA.
PITTSBURGH, PA.
JACKSON, MICH.
COLUMBUS, OHIO.
LOUISVILLE, KY.
HOUSTON, TEXAS.



Distributing Points :

CHICAGO, ILL.
EAST ST. LOUIS, ILL.
INDIANAPOLIS, IND.
DUBUQUE, IOWA.
MARSHALLTOWN, IA.
WARREN, OHIO.
NASHVILLE, TENN.
MINNEAPOLIS, MINN.

GENERAL AGENCIES :

CHILDS & JONES, Utica, N. Y.
I. W. SCOTT & CO., Pittsburgh, Pa.
H. B. SANBORN, Houston, Texas.
LEWIS & HANFORD, Louisville, Ky.
E. F. HARMEYER, Cincinnati, Ohio.

V. J. WILLIAMS IMPLEMENT CO.,
Dubuque, Iowa.
KEYSTONE IMPLEMENT CO.,
Kansas City, Mo.
BALTIMORE FARM IMPLEMENT
AND SEED CO., Baltimore, Md.

**BRANCH OFFICE of the EUREKA MOWER CO., at 457
and 459 North Market Place, Columbus, Ohio, under
the management of Fred Paul Grosscup.**

TIME BRINGS MANY CHANGES, and adds a Spring Tooth Harrow and Cultivator to our manufacture.

The EUREKA has revolutionized grass cutting, and is recognized as the most economical Mower.

CALENDAR.

1889.

JANUARY.							APRIL.							JULY.							OCTOBER.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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MARCH.							JUNE.							SEPTEMBER.							DECEMBER.						
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1890.

JANUARY.							FEBRUARY.							MARCH.							APRIL.						
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"FARMER," buy a EUREKA MOWER and save one-half in time and labor.

THE EUREKA SPRING TOOTH HARROWS ARE THE BEST
IN THE MARKET.

OFFICE OF
EUREKA MOWER COMPANY,

UTICA N. Y.

TO THE DEALER AND FARMER :

In presenting to you this our annual catalogue, we do not deem it essential to call *special attention* to the *increased* sale and general satisfaction with which our direct-draft broad-cut Eureka Mower has met;—the mere fact that our mower *alone* meets the demand for a mowing machine of *increased capacity, without additional power*, makes its sale, satisfaction, and popularity generally known.

Manufacturers of small side-cut mowers have striven hard to make their machines fill the demand for increased capacity by extension of their cutter-bar; but find to their sorrow that it is impracticable to extend beyond five feet.

At the present time, people in all vocations of life, seek for the best, *most rapid* and effectual way of accomplishing their work, and the *Eureka Mower* with its wide cutter-bar, cutting six and seven feet, easily drawn by a light team owing to direct draft, meets the farmers requirements in this direction and makes his *haying no longer a dread*.

The quality of hay should not be lost sight of in the purchase of tools for its harvest; the side-cut mowers run over the grass after cutting, crowding it into the earth, necessitating the use of hand fork or tedder to pitch it up so it will cure. This process of pitching up the partially cured hay, breaks off many of the fine leaves of timothy and clover, impairing the quality. The Eureka Mower does *not trample the crop after cutting* and the cut grass is left in the *best possible shape to cure* evenly and rapidly. Another feature in the *Eureka*, favorable to the production of the best quality of hay, is its capacity to do nearly double the work of the small side-bar mower, enabling the farmer to secure his hay in the short time when it is the best; hay should not be cut too early or allowed to stand until too ripe and when the proper time comes for its harvest it cannot be done too quickly. From the above the farmer will observe that our mower will produce a better quality of hay than the side-bar machines, first, in the manner in which it leaves the cut crop to cure, and second, in enabling the farmer to secure his hay when in best condition to harvest.

We have heretofore printed in our annual catalogue several pages of testimonials ; but this year having added to our manufacture a *Eureka Spring Tooth Harrow and Cultivator*, we have deemed advisable to devote the space to a description of these additional implements, printing in this catalogue only a few testimonials of a prominent nature, and will print a testimonial circular separately, which we will be pleased to send to anyone upon request.

In the following pages we shall describe our *Mower, Harrow and Cultivator* ; mechanical constructions and advantageous features will be outlined and deserve your careful consideration, if interested in the most practical and modern farming tools.

In offering to the trade our additional implements viz :— *Eureka Spring Tooth Harrow and Cultivator*, we wish to have it understood that they have been submitted to the severest tests in *new land and all kinds of soil* during the past season and as a result will bear our strong warranty as to strength, durability, etc. We also guarantee the right to buy, sell and use these implements as we have obtained broad patents upon them.

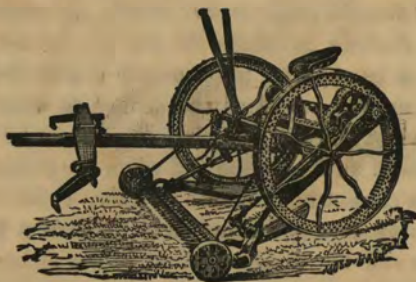
We thank our many patrons for their past favors and feel confident our goods will merit a continuance of their dealings with us and shall hope to make many new friends.

“Proof of the pudding will be found in the eating.” *Give us a Trial.*

We solicit correspondence and will give all communications prompt attention concerning our goods.

Respectfully,

EUREKA MOWER COMPANY.

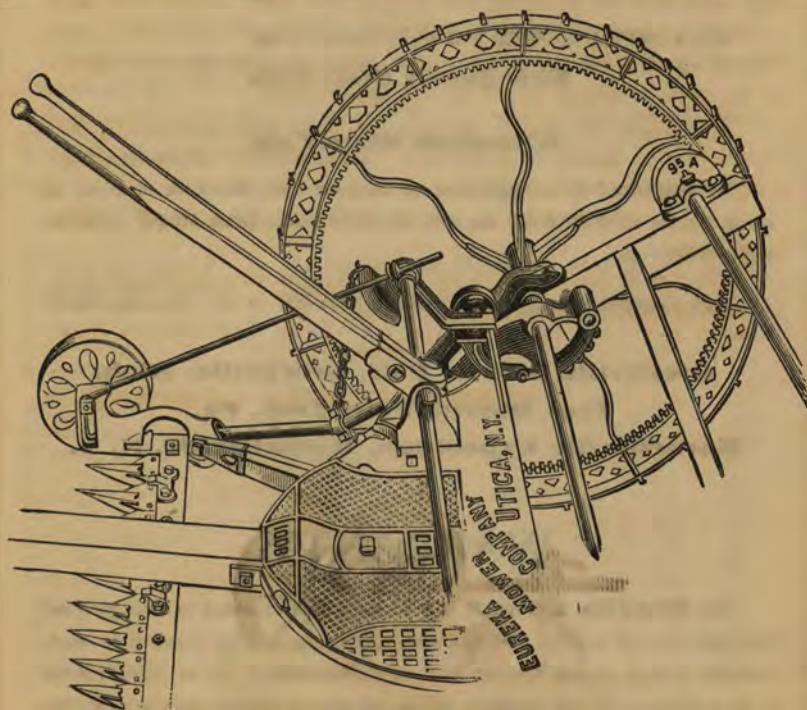


THE EUREKA MOWER

IS MANUFACTURED IN THREE SIZES,

Five, Six, and Seven-foot Cut.

Below we give skeleton cut of right-hand side of machine, showing our **Patent Under-draft Attachment**, which relieves the cutter-bar of all downward pressure, caused by the gearing in producing the cutting power. This principle in the Eureka Mower also removes all pressure from the horses' necks—except the weight of the pole itself.



OUR PATENT UNDER-DRAFT.

PREMIUMS.

A few of the Fairs at which the Eureka Mower took First Premium

The EUREKA MOWER won highest award of merit at the great

St. Louis Fair, in 1885.

Also received First Premium at the following County Fairs in 1887 and 1888.

Harrison County, Mo.

Worth County, Mo. Clarion County, Pa.

Morgan County, Ohio.

Erie County, N. Y.

Gentry County, Iowa. Mercer County, Ill.

Broome County, P. Q.

The EUREKA MOWER took First Premium at the

New Jersey State Fair

AND

Wisconsin State Fair.

At most State Fairs no premiums are awarded ; but honorable mentions are made, and the "EUREKA," the only successful Direct Draft Mower made, has received its share.

First Premium won by the EUREKA MOWER at the following District Fairs :

Greenville District Fair, Greenville, Mich.

Troy District Fair, Troy, Pa.

Hornellsville Exposition, Hornellsville, N. Y.

WARRANTY.

The EUREKA MOWER is guaranteed and warranted to be of good and first-class material in every piece and part, well made, and not excelled in workmanship or finish by any Mowing Machine on the market ; to be light draft and to leave the grass in such condition that it will cure as quickly, untended, as grass cut with side-cut machines will when tilled ; and to do first-class work when properly operated.

VICTORIES

FOR THE

CELEBRATED

Direct Draft Eureka Mower

AT IMPORTANT FIELD TRIALS,

All the Leading Side-cut Mowers Competing:

East Charlestown, Vt., July 10th. Fair Haven, Vt., July 12th.

Denver, Col., July 15th.

Baldwin, Pa., July 18th.

IT RECEIVED HIGHEST AWARD,

BEING THE

GRAND MEDAL OF HIGHEST MERIT,

AT THE GREAT NATIONAL FIELD TRIAL, PHILADELPHIA, 1876.

Below we quote from the original report of Judges in the "United States International Exhibition," Vol. VII, pages 15 and 16.

"Twenty-two machines were exhibited, all but two being tested with the dynamometer. This important business was undertaken by Messrs. Oldendorff and Bruce, the following valuable table being the result of their labors:

EXHIBITORS.	NAME MACHINE.	WIDTH OF CUT.	DRAFT in lbs.	DRAFT per ft.
Eureka Company . . .	Eureka Direct Draft	5 ft. 11 1/2 in.	172	.288
Warder, Mitchell & Co. . .	Champion	3 ft. 9 3/4 in.	131	.343
Russell & Co.	Peerless	4 ft. 4 in.	157	.388
Rochester Agri'lultural Works.	Hubbard	4 ft. 6 3/4 in.	206	.392
C. W. Otis	Haymaker	4 ft. 3 in.	165	.388
Adriance, Platt & Co. . . .	Buckeye	4 ft. 3 in.	200	.470
C. Aultman & Co.	Buckeye	4 ft. 4 1/2 in.	178	.406
W. A. Wood	Wood Special	4 ft. 4 in.	222 1/2	.513
Bradley Manufacturing Co. . .	Acme Special	4 ft. 3 in.	182 1/2	.429
Johnston & Co.	Johnston's, Small	4 ft. 2 1/2 in.	204	.484
W. Farr Goodwin	Screw Cam	4 ft. 3 in.	186	.437
Osborne & Co.	Wheeler No. 6	4 ft. 7 1/4 in.	260	.564
Screw Mower Co.	Screw Mower	4 ft. 2 3/4 in.	235	.555
Keystone Mower Co.	Ball's Keystone Mower . .	4 ft. 5 3/4 in.	228	.509
McCormick	McCormick, Small	4 ft. 3 3/4 in.	190	.467
Grigg & Co.	Meadow King	4 ft. 7 in.	205	.446
Osborne & Co.	Kirby Special	4 ft. 3 3/4 in.	220	.510
Osborne & Co.	Kirby, No. 3	4 ft. 11 3/4 in.	238	.471
Hubbard	Meadow Lark	4 ft. —	140	.350
Aultman, Miller & Co. . . .	Buckeye	4 ft. —	171	.427

"It will be seen from the foregoing, that the draft per square foot of grass cut varied from 28 8-10 lbs., in the case of the Eureka Machine (direct draft) to 56 4-10 lbs. in one of Osborne's machines, or nearly 100 per cent.

"From the above table we have the fact that the Eureka was the lightest of those that were tried."



PHOTOGRAPHIC FIELD VIEW, WITH "EUREKA" AT WORK.

The Cut Crop is left Untrampled, producing a Superior Quality of Hay.

PARTIAL LIST OF PROMINENT MEN

WHO ENDORSE THE "EUREKA"

From Practical Experience with it in the Field.

- SMITHS, POWELL & LAMB,**
BREEDERS OF HOLSTEIN CATTLE SYRACUSE, N. Y.
- HENRY E. ALVORD,**
FORMERLY MANAGER HOUGHTON FARM MOUNTAINVILLE, N. Y.
- A. A. SWEET,**
MEMBER NEW YORK STATE AGRICULTURAL SOCIETY SYRACUSE, N. Y.
- I. P. ROBERTS,**
PROFESSOR OF AGRICULTURE, CORNELL UNIVERSITY ITHACA, N. Y.
- F. C. STEVENS,**
BREEDER AND IMPORTER OF HOLSTEIN CATTLE ATTICA, N. Y.
- SAMUEL JOHNSON,**
PROFESSOR OF AGRICULTURE, STATE COLLEGE LANSING, MICH.
- JASPER N. DAVIDSON,**
MEMBER INDIANA STATE BOARD OF AGRICULTURE WHITESVILLE, IND.
- JOHN W. HEATH,**
PRESIDENT LAFAYETTE NATIONAL BANK LAFAYETTE, IND.
- S. A. FLETCHER,**
PRESIDENT FLETCHER'S BANK INDIANAPOLIS, IND.
- J. P. WILLIAMS,**
MANAGER MEADOWS CATTLE FARM MOMENCE, ILL.
- I. L. ELWOOD,**
MANUFACTURER OF BARB WIRE DEKALB, ILL.
- SAVAGE & FARNUM,**
IMPORTERS AND BREEDERS OF PERCHEON HORSES, ISLAND HOME FARM,
. CROSSE ISLE, WAYNE CO., MICH.
- A. G. DANFORTH,**
BREEDER OF HIGH BRED TROTTER STOCK WASHINGTON, ILL.
- S. S. MANN & SON,**
IMPORTERS AND BREEDERS OF HOLSTEIN CATTLE ELGIN, ILL.
- J. F. GLIDDEN,**
OF BARB WIRE FAME DEKALB, ILL.
- SAMUEL DYSART,**
PRESIDENT ILLINOIS STATE BOARD OF AGRICULTURE, FRANKLIN GROVE, ILL.
- JOHN BRISBEN WALKER,**
BERKELEY FARM DENVER, COL.

We have testimonials from all of the above, and many more.



The above skeleton cut shows our **Patent Rock Shaft and attachments** to the knife. Also Pitman Rod connections, including upper and lower heads. The peculiar construction of these parts give the following advantages over all side-cut mowers. The Pitman Rod working at a right angle with the knife lessens the wear and requires less power to pass over the dead centers of the Crank Balance Wheel. The Power is applied on a line, level with the Knife, which allows it to run free in any position and is not strained by the up and down thrust, which is invariably found on side-cut machines. Our **Patent Flexible Finger Bar** has perfect conformity to uneven surfaces, as each end of the bar is independent of the other in its action, up or down. By the use of our **Track Clearers and Grass Rods** the grass is left light and loose, standing in about the same position as before it is cut; but gathered sufficiently to give space for horses and wheels of machine. See cut on page 8. *With the Eureka you can accomplish fifty per cent more work with the same power, and produce a better quality of hay.*

If you see it work, you will be convinced.

POINTS OF EXCELLENCE
CLAIMED FOR
THE EUREKA
ITS ADVANTAGES AND LEADING FEATURES.

It is the Pioneer and **ONLY SUCCESSFUL**
DIRECT-DRAFT MOWER BUILT.

It is the **LIGHTEST DRAFT MOWER** in the
WORLD.

It will do as much work as two side-cut machines.

HAY WILL CURE in **ONE THIRD** the time.

NO USE FOR A TEDDER.

SIMPLICITY OF CONSTRUCTION. No bevel
gears causing waste of power and adding friction.

EASIEST HANDLED and most **PERFECT**
WORKING MOWER in the market.

THE CROP is left **UNTRAMPLED, LIGHT, and**
LOOSE.

CAN MOW ON ANY SIDE, choosing the one most
favorable for best work, which is a great advantage where
the crop is lodged.

Advantage of having the cured hay in a body. The first hay cut is the first ready for raking and stacking.

CUTS A FULL SWATH EVERY TIME.

HAS NO EQUAL in cutting across **DEAD FURROWS** and **RIDGES**.

Cuts Lodged Clover closer than any other machine.

IN STUMPY AND ROUGH fields the **EUREKA** has no equal. All obstructions are directly in front of the driver.

It does **GOOD** and **SATISFACTORY WORK** on all **KINDS OF GROUND**.

FLEXIBLE CUTTER-BAR conforms itself to all uneven surfaces.

IT IS THE EASIEST MACHINE TO RIDE, having a long axle and large wheels.

HORSES being spread wide apart work **EASIER** and **COOLER**.

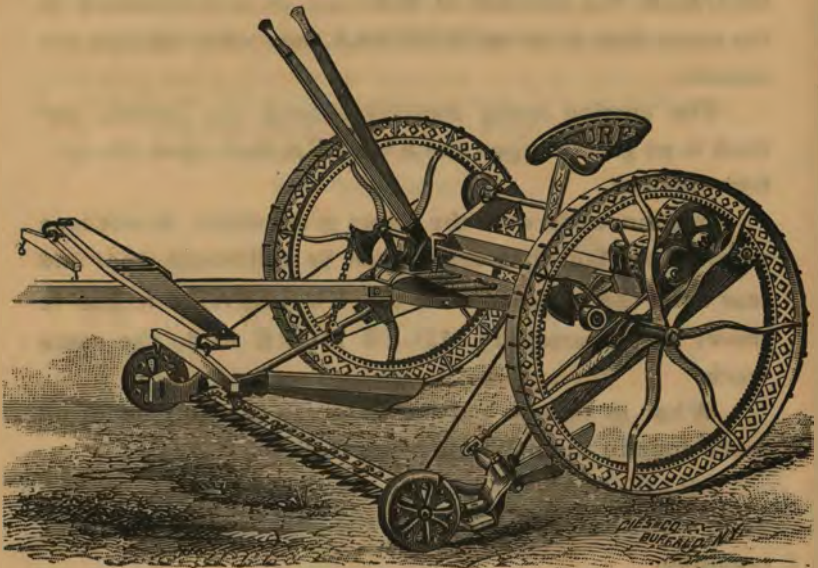
OUR PATENT UNDER-DRAFT takes all weight off the horses' necks.

ITS DURABILITY is recognized. That they require less repairs than other machines is an acknowledged fact.

DIRECT DRAFT is the **CORRECT PRINCIPLE**. Put your work behind your horses if you would have them do it easiest.

After once using the **EUREKA**, you will never have a side-cut in your field again.

It will **SAVE** you **TIME** and **MONEY**.



SIDE VIEW.—EUREKA MOWER.

Comparative Capacity of the Eureka and the Side-cut Mowers.

Distance traveled to mow 20 acres with the $4\frac{1}{2}$ -foot side-cut, $36\frac{2}{3}$ miles.

Distance traveled to mow 20 acres with the 7-foot Eureka, $23\frac{1}{4}$ miles.

This gives a difference of 13 MILES LESS TRAVEL WITH THE EUREKA than with the side-cut in mowing 20 acres.

Add to the above ADVANTAGE possessed by the EUREKA the fact that grass cut with our machine will CURE IN ONE THIRD LESS TIME, it being UN-TRAMPLED, and we have substantiated our claim that

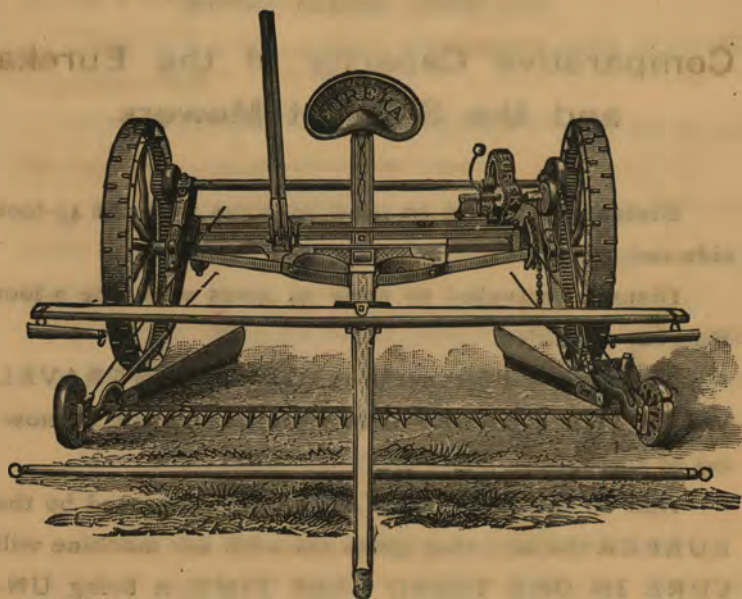
DOUBLE the amount of work can be accomplished in the same time with the **EUREKA** than with the side-cut mower.

The cutting being directly behind the horses, the draft is no greater upon the **EUREKA** than upon the $4\frac{1}{2}$ -foot side-cut.

In connection with the above proposition, do not lose sight of the fact that there must be additional wear and tear upon the side-cut over the **EUREKA**, as it has to travel in operation **13 MILES MORE** to do the same work.

What is true in cutting 20 acres is also true of all work done in the life-time of a machine.

PRACTICAL FARMER, these are **FACTS** worthy your careful consideration, in the purchase of a mowing machine.



FRONT VIEW.—EUREKA MOWER.

**Features favorable to a Long Axle, and Large Drive
Wheels, used upon the Eureka Mower.**

Long Axle makes the Mower easier to ride, as when either end is raised or lowered by wheel passing over an obstruction, the effect upon driver is less than on a Mower with Short Axle.

See Demonstration.



SHORT AXLE.



LONG AXLE.

This feature it will be observed, causes mower with long axle to run steadier and with less wear and tear.

In mowing with the Eureka on rough ground, low stumps and other obstructions can be passed by straddling the obstacle with the wheels.

Our large drive wheels (42 inches in diameter) facilitate ease to the team in drawing mower over any obstruction, stump, stone, or ditch, where it would be almost impossible to draw a small drive wheel under same circumstances.

Large drive wheels also raise the axle higher, allowing it to pass over many obstructions, which cannot be passed by the common sized drive wheels used on side-cut mowers.

Our large drive wheels, combined with direct draft, give the Eureka Mower lighter draft and enables it to cut a wider swath without additional power.

If large drive wheels and long axle give lighter draft and greater comfort to the driver in rough and stumpy fields, the same may be claimed for them in all kinds of cutting.

READ AND REFLECT

Upon Features that are favorable to Direct Draft in a Mowing Machine.



WITH DIRECT DRAFT.

The work being *directly behind the horses*, it can be done with *greater ease* than off at one side, as in the case of side-cut mowers.

A *greater width of swath* can be cut with the same power.

It is a great advantage in *lodged fields*, as the cutting is done back and forth upon the same side of the field; choosing the side which is the most favorable.

Mowing can be done in rough places to better advantage, as all obstacles are directly in front of the driver, and easily seen.

DIRECT DRAFT is especially effectual in *orchard mowing*, as the grass can be cut *close* to the trees. Practical farmers know the difficulties in *mowing orchards* with side-cut machines and will readily appreciate the advantage gained over them by *direct draft*.

The hay is made on one side of the field, making less work in drawing in.

If direct draft is not the correct principle in a mowing machine, we would advise farmers to rig up their horse rakes with the rake teeth upon one side. If the principle is applicable in one case it ought to be in the other.

In the *Eureka Mower* the cutter-bar is supported at each end, which produces *steadier motion* and causes *less wear and tear* to the machine. The side bar mowers have no support at one end of cutter-bar, causing constant strain upon the whole machine, and harder work for the team.

The following testimonials are samples of thousands we have on file in our office. We have not the room to print more here, but will cheerfully send copies of testimonials of well-known farmers in almost every section of the country, if desired.

CORNELL UNIVERSITY FARM, ITHACA, N. Y.

The small side-cut machines are too slow for the large farmer, who conducts his operations on business principles and figures time as money. I cheerfully recommend all farmers looking for improved mowing machines to do good and rapid work, to try the Eureka. We have finished cutting some 50 acres of heavy grass with your Eureka mower, without being delayed in the least by breakage or failure in a single point of the machine to perform the work required of it. The longer we use it the better we like it.

P. ROBERTS,

Professor of Agriculture, Cornell University.

HOUGHTON FARM, MOUNTAINVILLE, ORANGE Co., N. Y.

On our uplands, some pretty rough, the Eureka does much better work than I thought possible of it. On our bottom lands and level meadows generally, it is decidedly the most effective mower I have ever seen. Last week, with a mule team, your machine in four hours cut grass which, as finally weighed in the barn, proved to make 10¾ tons of well cured hay. And this grass, as it was cut about mid-day fell (or rather stood up) in such good shape that it cured rapidly and was ready to bring into the barn at noon the next day.

HENRY E. ALVORD.

General Manager.

ATTICA, N. Y., July 14th.

I can truly say that I consider the Eureka the best mowing machine. Many tests have been made here by other machines, and in my opinion the Eureka is far superior to all, for the following reasons:—Great advantage gained in cutting seven feet, instead of four feet. The condition in which it leaves the grass when cut, being nearly upright, it dries quickly, requires no tedding, thereby saving the fine leaves. There is no side draft and the horses being apart makes it much cooler for them. After a thorough trial for the past two weeks, having cut over 125 acres and stored over 260 tons of hay, I am prepared to say that the Eureka excels all, and I would not part with it.

F. C. STEVENS.

FRANKLIN GROVE, ILL.

I will mention the following points of superiority, which the Eureka Mower possesses:—The lightness of draft in proportion to the width of cut. The horses being hitched wide apart they do not suffer so much from heat. It leaves the cut grass in better condition for curing than it is possible for a tedder to do in following one of the side-cut mowers, where the cut grass is pressed down by the machine and left in bunches by the divide board. Another great advantage of your machine is the convenience of being able to cut forward and back on the same side of the field, saving much time, which represents money. A hundred tons of hay were put up last season and no break, no delay, or complaint about the mower. This I call satisfactory work.

SAMUEL DYSART,

President Illinois State Board of Agriculture.

{ BANKING HOUSE OF RUFUS N. RAMSAY,
CARLYLE, CLINTON CO., ILL.

I have one of your machines, and find it to be a most excellent mower.

RUFUS N. RAMSAY.

{ UNIVERSITY OF ILLINOIS, COLLEGE OF AGRICULTURE,
CHAMPAIGN, CHAMPAIGN CO., ILL.

We purchased this summer a Eureka Mower, cutting 150 acres or more of timothy and clover with it. It pleased us in every respect. Among its chief advantages we count the manner in which it leaves the cut grass to cure, and its ability to mow back and forth, leaving cut grass all on one side. We find the draft to be very light and the machine easily managed.

G. E. MORROW,
Professor of Agriculture.

STATE AGRICULTURAL COLLEGE, LANSING, INGHAM CO., MICH.

Your agent desires me to re-endorse the testimonial I gave you a year ago as to the merits of the Eureka Mower. I very cheerfully do this, as another year's experience only confirms our opinion of the many advantages your Mower combines over any other with which I am acquainted.

SAMUEL JOHNSON,
Professor of Agriculture.

BOLIVAR, HARDEMAN CO., TENN.

I purchased a Six-foot Eureka Mower; have used it one year and am pleased with its work. I discarded two side-cut machines, and recommend the Eureka Mower to all farmers.

ALBERT T. MCNEIL.

Mr. McNeil is a leading lawyer and farmer and one of the most prominent men in his state.

ISLAND HOME STOCK FARM, CROSSE ISLE, WAYNE CO., MICH.

The seven foot Eureka Mower has been in use at Island Home Stock Farm during the past season, and has been all that we could expect of anything in the mowing machine line. We have driven a pair of gray Percheon mares to it, and cut about 130 acres of grass. We used a side draft machine and a very good one with it, with about the same heft of team, with the cutter-bar not exceeding five feet, and the Eureka seven foot Mower was handled much easier and did vastly more work. It leaves the grass in much better condition to dry, as it is not trampled upon by team and machine after cutting. In short, we think there is nothing equal to the Eureka for a mowing machine.

SAVAGE & FARNUM,
Proprietors of Island Home Stock Farm.

SHEBOYGAN FALLS, SHEBOYGAN CO., WIS.

I consider the Eureka the best mower in use. It cuts a wide swath with no more draft on the team. It leaves the grass standing, so that it cures in much less time than when it falls flat. All that I cut in the forenoon is sufficiently cured so that the hay loader takes it up nicely without raking in the afternoon, lessening the labor nearly one half. I find it of great convenience to cut on one side in ordinary haying, and of real value in cutting rye, clover, or millet. The Eureka has settled the question with me about mowers. I could not afford to use any other mower as a gift.

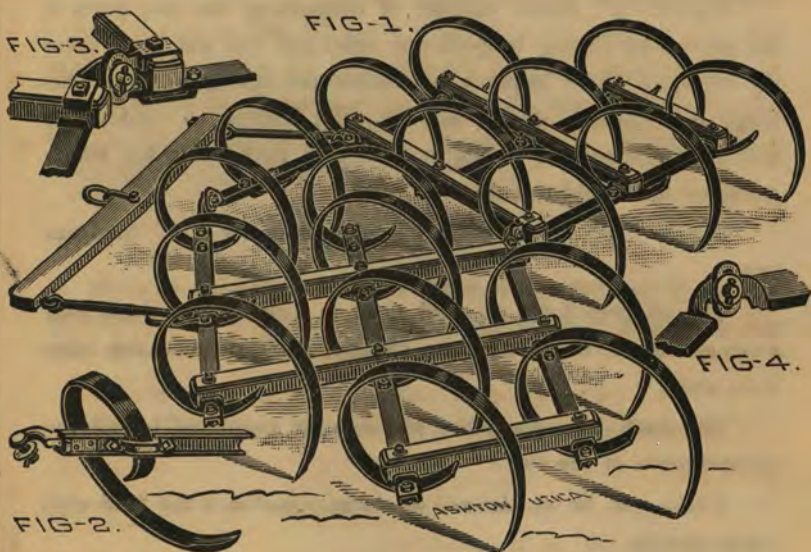
HIRAM SMITH.

Eureka Spring Tooth Harrow

—AND—

Eureka Spring Tooth Cultivator.

These implements are each manufactured in three sizes, and embody valuable improvements and superior features over implements of their kind; examine them, and be your own judge.



Sizes 16, 18, and 22 Tooth.

Channel Steel Frame,

Strong and Durable,

The Lightest Draft Harrow in the Market.

PATENTED JULY 10, 1888.

From the cut of the **EUREKA SPRING TOOTH HARROW** it will be observed that the teeth are fastened on the under side of the frame, which raises it about three inches higher than in the ordinary harrow. This feature causes the harrow to readily *free ITSELF* of *all obstacles*, straw, manure, stone, and roots, and gives lighter draft

Figure "2" represents the manner of fastening the tooth to the *channel steel draft bars* by means of a *malleable iron clip* and two bolts, the tooth seated upon the two walls of the channel steel bar, and the clip spanning it, and fitted into the channel, but not resting upon the bottom of it ; when the bolts are drawn, the clip *secures the tooth firmly*.

Figure "3" shows manner of connecting the two parts of the harrow by oblong loop on one side, and eye and stud upon the other, and held in place by washer and spring cotter. This hinge is a valuable device allowing the harrow to conform to uneven surfaces, and giving it ability to fold nicely for transportation from field to field.

Figure "3" is the back hinge, and figure "4" the front one.

The channel form of steel used in our harrow draft bars gives greater strength and the channel itself protects the bolts from wear.

The *teeth* are *adjustable*, and can be regulated to suit the requirements of the soil.

There can be no *lateral or sidewise motion* to the *teeth* with our fastening.

The teeth to our harrow are *spaced to cut equal distances* from each other so all the *ground is evenly and thoroughly pulverized*.

The best of spring steel is used in the construction of the harrow teeth, and each tooth is carefully tempered and submitted to severe test before being attached to the frame.

The frame is put together *independent of the teeth*, and in loosening bolts to adjust their cut, the frame is not disturbed.

In fastening the frame together, *malleable iron saddles* are used, in which the draft bars and wood cross beams are secured by bolts; these saddles have flanges upon the upper and lower sides to take the *channel steel draft bar* and wood cross beam. This is far preferable to cutting slots in the wood pieces, as has been done heretofore in constructing harrows, while the use of malleable iron saddles make the frame more rigid and stronger.

Our harrow is nicely finished in every piece and part, and we guarantee the right to buy, sell, and use, as we have obtained broad patents upon it.

The fact that the Spring Tooth Harrow is acknowledged to be superior to the old style straight tooth harrow, and that there was a chance for improvement in this kind of implement, prompted us to undertake the task, and we have produced a harrow which we consider far in advance of all implements of its kind upon the market.

Prizes won by the EURERA SPRING TOOTH HARROW, which was put upon the market for the first time last fall:

First Premium at Antwerp Fair, Antwerp, N. Y.

First Premium at Hornellsville Exposition, Hornellsville, N. Y.

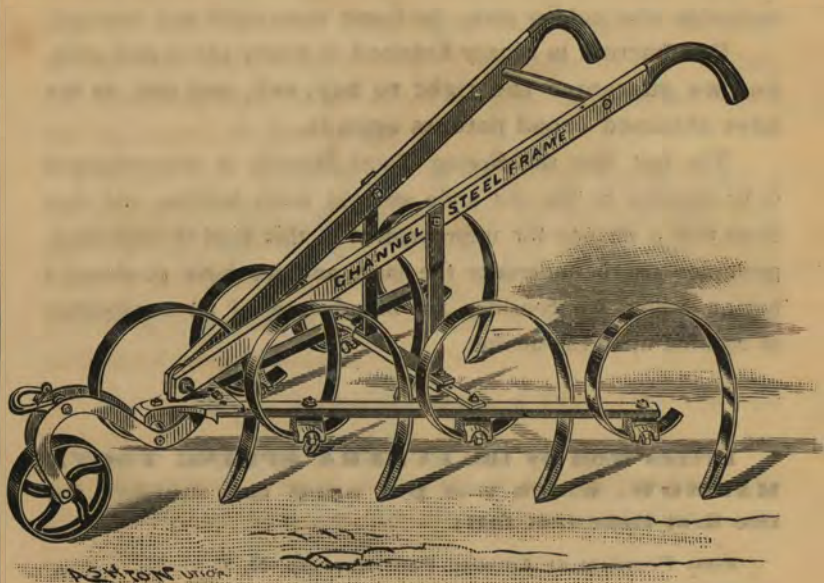
FARMINGTON, N. H., November 27, 1888.

EUREKA MOWER CO., Utica, N. Y.,

Gentlemen:—The harrow you sent us for trial, the writer had the pleasure of thoroughly testing a few days ago on a very rough, stony piece of ground. It was plowed last fall and planted the past season; wishing to seed down we put the harrow on without plowing again, attaching three horses. The protection of bolt heads, construction and adjustment of the harrow we are much pleased with and we think it quite a step in advance of the harrows we have sold heretofore.

CHAMBERLIN BROTHERS.

EUREKA Spring Tooth Cultivator.



The **Spring Tooth Cultivator** is coming into use quite extensively for the cultivation of corn, potatoes, and all garden crops. It is especially adapted to the hop fields.

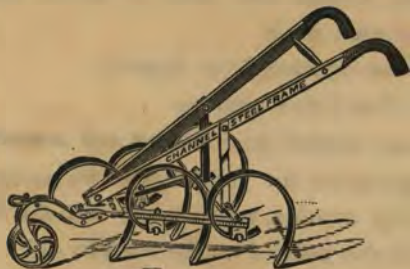
The **Eureka** is manufactured with **channel steel frame** and teeth of best open hearth spring steel of same size and style as used in the **Eureka Harrow**; hence the teeth are **interchangeable**.

The **Eureka Cultivator** is made in three sizes, 5, 7 and 9-tooth.

The frame can be adjusted six inches in width, and in such manner that the **teeth** will always stand **square** in the ground.

The wheel may be lowered or raised to suit the requirements of the work.

In the **Eureka Cultivator** as well as in the **Harrow**, the teeth are fastened to the underside of the frame. The frame is higher than in any cultivator of its kind, thus enabling it to clear itself of weeds, stones and other obstacles. This feature will be readily appreciated by the farmer.



The teeth can also be adjusted with ease to cut the required depth.

Every dealer is desirous of handling the best goods for his own reputation and for the satisfaction of his customers.

We think our line is unexcelled, we are interested parties however, and therefore invite all to make careful investigation.

Do not buy a **Harrow** or **Cultivator** until you have seen our implements.

We solicit correspondence. All inquiries will have our prompt attention. We will send one of our traveling salesmen to make contracts for territory if requested.

WARRANTY.

The **Eureka Spring Tooth Harrow** and **Eureka Spring Tooth Cultivator** are warranted to be made of first-class material in every piece and part, to be light draft, strong and durable, and effectual in their work.

DIRECTIONS.

In ordering Implements or Repairs be particular to mention the following :

1st. *Town, County and State* to which they are to be shipped, and by what *route*.

2d. Whether by *Freight* or *Express*.

3d. Your Post Office address.

If repairs are wanted, give **name** and **number** of piece.

In ordering repairs for your mower, be particular and give the manufacturing number, which is cut into the finger bar near the left end, and also painted on the left side rail.

Although our machines, on account of their simple and practical construction, require few repairs, nevertheless we appreciate the fact that convenience and certainty of procuring them quickly are points of importance with the farmer. Repairs are kept by our agents and at our distributing houses in all parts of the country, so that any person having purchased Eureka Implements can be supplied with any parts, near home, without delay, and at reasonable prices.

To assist in ordering repairs correctly, we issue a separate pamphlet giving diagrams, description, number, and price of every part on our machine. This pamphlet also contains complete directions for setting up and operating the Eureka Mower. One of these is packed in the tool box of each machine, and every agent will have a supply of them to furnish customers when called for.

**Don't Buy a Mower, Harrow, or Cultivator, until
you have seen**

THE EUREKA!

 All Inquiries will receive Prompt and Careful Attention.

EUREKA SPRING TOOTH HARROW

CHANNEL STEEL FRAME.



PATENTED JULY 10TH 1888

CHANNEL STEEL FRAME.
 STRONG & DURABLE.
 THE LIGHTEST DRAFT HARROW IN THE MARKET.