

THE GRAND DETOUR PLOW CO

MANUFACTURE 66 SIZES & STYLES OF

IRON AND WOOD BEAM PLOWS.



THE GRAND DETOUR PLOWS

Are Models of Grace and Strength.

For Durability, Lightness of Draft and Quality of Work
THEY HAVE NO EQUAL.

Interest Table.

TEN PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$10	\$100	\$1000
1 Day.....	0	0	0	0	0	0	3	28
2 Days.....	0	0	0	0	0	0	6	56
3 ".....	0	0	0	0	0	0	8	83
4 ".....	0	0	0	0	0	1	11	1 11
5 ".....	0	0	0	0	0	1	14	1 39
6 ".....	0	0	0	0	0	2	17	1 67
7 ".....	0	0	0	1	1	2	19	1 94
8 ".....	0	0	0	1	1	2	22	2 22
9 ".....	0	0	0	1	1	3	25	2 50
10 ".....	0	0	0	1	1	3	28	2 78
15 ".....	0	0	1	2	2	4	42	4 17
20 ".....	0	1	2	2	3	6	56	5 56
30 ".....	1	2	3	3	4	8	83	8 33
60 ".....	2	3	5	7	8	17	1 67	16 67
90 ".....	3	5	8	10	12	25	2 50	25 00
1 Month.....	1	2	3	3	4	8	83	8 33
2 Months.....	2	3	5	7	8	17	1 75	17 50
3 ".....	3	5	8	10	12	25	2 50	25 00
4 ".....	3	7	10	13	17	33	3 33	33 32
5 ".....	4	8	13	17	21	42	4 17	41 67
6 ".....	5	10	15	20	25	50	5 00	50 00
7 ".....	6	12	18	23	29	58	5 83	58 33
8 ".....	7	13	20	27	32	67	6 67	66 67
9 ".....	8	15	23	30	38	75	7 50	75 00
10 ".....	8	17	25	33	42	83	8 33	83 33
11 ".....	9	18	28	37	46	92	9 17	91 67
1 Year.....	10	20	30	40	50	100	10 00	100 00

Computation of Interest.

To find the interest on any sum, multiply the principal by the number of days, and proceed as follows:

For five per cent., divide by 72.

" six " " 60.

" eight " " 45.

" nine " " 40.

" ten " " 36.

If the principal is expressed in dollars and cents, point off four figures, and the result will be the interest in dollars and cents.

ESTABLISHED 1837.

INCORPORATED 1879



Sixth Annual Year Book

PUBLISHED BY THE



DIXON, ILL.

MANUFACTURERS OF SIXTY-SIX SIZES AND STYLES OF

IRON AND WOOD BEAM

PLOWS.

Sulky Plows,
Iron and Wood Beam Walking Cultivators,
Iron Riding Cultivators,
Single and Double Shovel Plows,
Harrows,
and Hay Rakes.



TO OUR PATRONS.

IN PRESENTING to your notice the implements made by us, we wish to call special attention to the many improvements introduced by us in the shape and finish of our goods. Great progress has been made in the last few years in the manufacture of special steel for use in plows; of which we use only the best quality. The improved quality of steel, malleable and wrought iron used in the manufacture, is a guarantee of greater excellence of work and durability. For our wood-beam plows, none but the best of seasoned oak is used. We have them cut to pattern and stored in our sheds from one to two years before using. Timber thus seasoned, is stronger than that which is kiln dried.

The demand for iron beams is rapidly increasing, and our iron-beam is a model of grace and strength; we recommend them as very superior. The mold-boards of our 12, 14 and 16-inch plows are made of iron centre cast steel, hardened as hard as possible. One-half of the face thickness, however, is of solid steel, giving extra and equal hardness, a better polish and greater durability. The "Medium" Landsides are of cast steel, hardened, and the shares of cast-steel, with soft steel centre, hardened. On all of our best plows we put "slip" shares, which can be duplicated. Our old Grand Detour shape, for difficult soil, has no equal, and our "Clipper" shapes have met with great favor. For Breakers, none but the best of solid cast-steel is used.

"The Grand Detour Sulky," is a model of grace. It is simple, has few parts, is made of malleable and wrought iron, and steel; has an anti-friction coultter; a patent clevis for holding up the doubletrees; is easily operated; very light draft; and has made a host of friends among both dealers and farmers.

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Our Hand-lift Sulky handles easily; but to meet a demand in some portion of our trade, we have supplied a Horse-lift, which is prompt and reliable. (See cut.) We can furnish either kind.

The Grand Detour Walking Cultivators, made in both wood and iron beams, double and single pole, are simple, light and strong. We have greatly improved our cultivator for 1882; it is modern, has many good points, and is finished in good style. To meet the progressive ideas of trade, we have arranged to apply the celebrated "Brown" spring on them. The spring is of flat spring steel, and is more durable than spiral or coil springs. This has also an adjustable hitch, by which the depth of plowing can be nicely regulated; and this feature alone places it in advance of all other Spring Cultivators.

The Grand Detour Riding Cultivator has many new features and advantages, and needs only to be seen to be appreciated. It is made almost entirely of iron and steel, having an arched iron axle, which provides for working tall corn; the couplings are malleable iron, and the shovels of the best of steel, hardened. It is the most attractive cultivator made to-day.

Our Steel Tooth, Independent Section Harrow, has met the popular demand for a low-price implement; and will do as good work as any of the high-priced harrows. We furnish them with steel teeth, as being lighter and more durable than iron. They are made in two and three sections, and at the price they can be afforded, will meet with large sale.

The Daisy Hay Rake is a simple, practical hand-dump rake. It has been made and sold for four years, and will do the work of more complicated and expensive rakes.

The interests of farmers and manufacturers of implements are closely allied. We serve our own interests when we give a farmer an implement that meets his approbation as to work and durability. We shall, therefore, spare no pains or expense to make our goods the best of their class.

With an experience of FORTY-FOUR YEARS, with UNEQUALED FACILITIES for the manufacture of goods, with a widespread reputation for RELIABLE GOODS, we solicit, with confidence, the patronage of the BEST FARMERS throughout the great Northwest.

For information, address

GRAND DETOUR PLOW COMPANY,

Dixon, Illinois.



CONDENSED HISTORY

OF THE

Grand Detour Plow Works.

GRAND DETOUR PLOWS *have been household words with farmers for forty-four years*, and to thousands who have used our goods this need not be written, but for those not so familiar with the history of the Grand Detour Works, we beg to submit this condensed history.

This well-known establishment was founded in 1837, at Grand Detour, Illinois, a little town situated in a horse-shoe bend in the beautiful Rock River, six miles above Dixon, by John Deere, now of Moline, Illinois, and Major Andrus, now deceased. They started what was styled a plow factory, in a little blacksmith shop (such as may be seen at a country cross-road), and two forges were sufficient to meet their wants for some two years, when they became able to run an ordinary horse power, for the purpose of turning the grindstone and fanning the furnace. The building in which these labor-saving arrangements were located stood some forty rods from the "Factory" proper, and every plow ground and casting moulded had to be carried one way or the other, in the hand or on the shoulder; and the sight of the two proprietors lugging their work back and forth is called up with interest, in view of the great prosperity which each of them, by means of the same hard work and close management, ultimately attained. In this manner, and under these disadvantages, the business went on for about six years, when such success attended the enterprise that they were enabled to put in steam. From this time forward, they continued adding machinery and improvements;

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and their progress was uninterrupted. However, there were no means of sending their plows through the country, except by wagons, and few markets except the farm house, in even the best agricultural sections. Teams were loaded and sent out over the country, and substantial farmers were supplied with plows, which they sold through the community, reserving a handsome commission for their services.

In 1848, Mr. Deere withdrew from the firm, (which has experienced several changes, at one time presenting the array of Andrus, Deere, Tate & Gould), and with the experience he had acquired, and with the means at his hand, started a plow factory at Moline, Ill., which grew and prospered from the first, and might with reason be termed the child of the Grand Detour Works. The business was run for seven or eight years by Mr. Andrus alone, who was then joined by Col. Amos Bosworth, who, in our late war, was known as Lieutenant-Colonel of the Thirty-fourth Illinois, who died in the service in March, 1862.

In October, 1857, the factory, which had been steadily growing and extending its limits, was burned down, and upon the same site and remnants of the old walls, a new factory was erected. In August, 1863, Theron Cumins, Esq., senior member of the present company, became one of the firm, which took the name of Andrus & Cumins. Under their administration the business was carried on until February, 1867, when Mr. Andrus died. Few men pass away more deeply and sincerely lamented than was Mr. Andrus. Upon his death, the business passed into Mr. Cumins' hands, and was by him conducted until June, 1869, when Col. H. T. Noble, of our city, became interested therein, the firm name being T. Cumins & Co.

In the meantime Grand Detour had lost its pristine glory, and its bright promise had flown forever. It was still a pleasant little village on Rock River, but about all there was in it was the Grand Detour Plow Works, and their dependencies, while Dixon had acquired two of the largest railroads in the Union, and had grown to be a city of seven thousand inhabitants. The plow works, which in the first years, turned out only from seventy-five to a hundred plows per year, are now producing many thousands, and scattering them by means of the steam horse over the limitless West. Dixon was the nearest railroad point, and it cost about four thousand dollars a year to transport this vast quantity from the factory to the cars. Hence Dixon was the place for these works.

In June, 1874, Mr. Dodge, for several years a merchant here, became interested therein, under the firm name of Cumins,

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Noble & Dodge. In June, 1879, the business was incorporated under the laws of the State of Illinois as the Grand Detour Plow Company. Theron Cumins, Henry T. Noble, Orris B. Dodge and Charles H. Noble (who has been identified with the business for the last ten years) being the incorporators and stock holders. The works are located on a spacious triangular piece of land, between the depots of the Chicago & Northwestern and Illinois Central Railroads, with switches from both roads running to the shops and warehouses. We have added largely to our power, room, machinery and other facilities, during 1881, and take pleasure in calling your attention to the illustration of our new engine and the diagram of our grounds and buildings, on the pages following.

The workmen connected with the works are men of large experience in the manufacture of agricultural implements, many of whom have been identified with this establishment for ten, fifteen and twenty years, and some for even a quarter of a century. The good name fairly earned by the GRAND DETOUR PLOW is more than sustained by the very superior quality of goods now being made. No pains or expense is or shall be spared to place and keep them in advance of all others.

With commendable pride in our history and success of the past, with an experience of FORTY-FOUR YEARS, with unequalled facilities for the manufacture of goods, and an established reputation for reliable goods, we bespeak a continuance of the liberal patronage heretofore extended, and remain,

Very Truly Yours,

GRAND DETOUR PLOW COMPANY,

Dixon, Illinois.



IMPROVEMENTS MADE IN 1881

—BY THE—

Grand Détour Plow Co.



WE TAKE PLEASURE in calling the attention of our farmer friends to the illustration of our new Corliss Engine, and to the diagram of the grounds and buildings of the Company, on the pages following. The rapidly increasing demand for our goods has compelled us to lay aside the engine which has served us for so many years, and we have put in a new battery of boilers and one of the largest and best engines in the West. The engine has an 18-inch cylinder, with 48-inch stroke, a 16-foot fly-wheel weighing 15,000 pounds. Weight of engine, 45,000 pounds; and is set on a solid stone foundation weighing about 80 tons.

Our new boilers occupy a room 25x36, and the engine a room 20x36. This new engine and boiler house is built of brick, with gravel roof. We have also just built and completed, in the most substantial manner, with all the modern appliances, a two-story stone building, 50x128, and a new stone foundry, 42x72, with gravel roof, and three large new buildings for the storage of material and goods.

Our grounds comprise five acres, being the spacious triangular piece of land between the Illinois Central and the Chicago & Northwestern roads, and the "Y" connecting the same, and we have under roof about 70,000 square feet. Switches from both railroads run to the shops and warehouses, so that the unloading of material and the loading of goods is done quickly and at the minimum cost. The improvements we have made in 1881 will increase our capacity to manufacture at least fifty per cent., and, we hope, will enable us to keep pace with the growing demands for the old reliable "Grand Détour" goods.

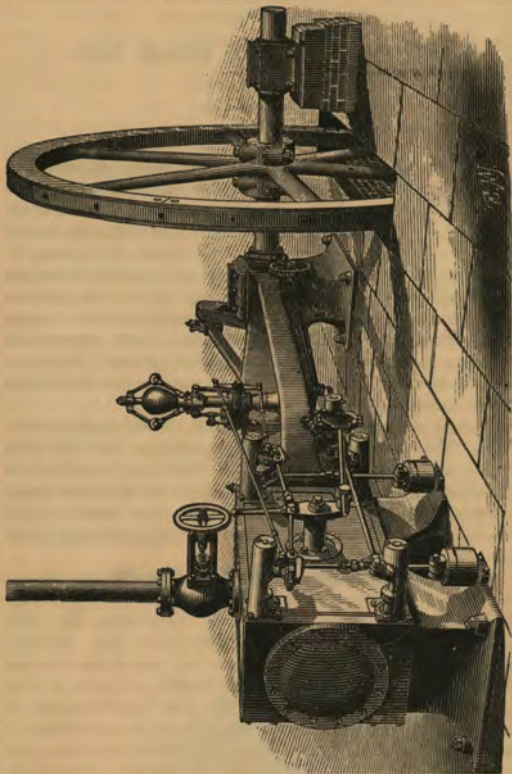
With UNEQUALED FACILITIES, and an experience of FORTY-FOUR YEARS, we solicit, with confidence, the patronage of the best farmers throughout the great Northwest, and remain,

Very Truly Yours,

GRAND DETOUR PLOW COMPANY.

300 HORSE POWER ATLAS-CORLISS ENGINE.

*16-foot fly-wheel, weighing 15,000 pounds; weight
of engine, 45,000 pounds.*



MADE IN 1881 BY THE

ATLAS ENGINE WORKS

Indianapolis, Ind., for the

GRAND DETOUR PLOW CO.,

Dixon, Illinois

DIAGRAM
 GROUNDS AND BUILDINGS
 —OF THE—
 Grand Detour Plow Co.,
 DIXON, ILL.

NORTH

ILL. CENTRAL R. R.

22

21
 SWITCH C. & N. W. R. R.

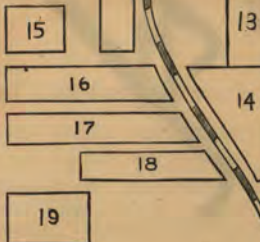
23

SOUTH

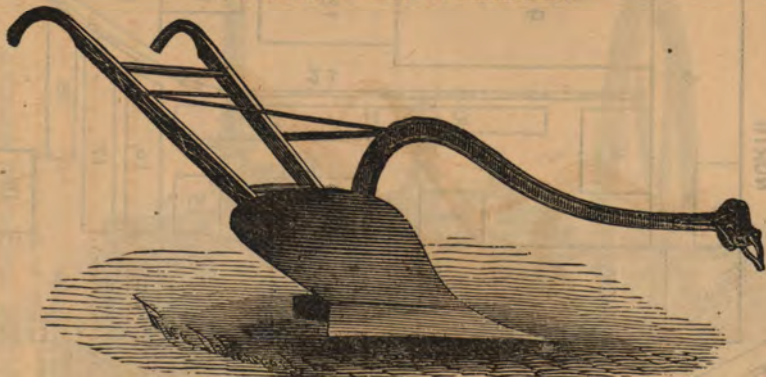
20

C. & N. W. R. R.

1. Office, (brick,) two stories, 30x40.
2. Warehouse, two stories, 50x120.
3. Iron House, 20x28.
4. Blacksmith Shop, (stone,) 50x116.
5. Grinding Room, (stone,) 44x50.
6. Wood Working, (stone,) two stories, 50x150.
7. Machine Room, 24x36.
8. Engine House, (brick,) 36x45.
9. Fitting Room, Paint Shop, (stone,) two stories, 50x128.
10. Coal House, 16x85.
11. Warehouse, two stories, 20x84.
12. Foundry, (stone,) 42x72.
13. Sand House, 16x24.
14. Timber Shed, 30x36.
15. Ice House, 20x24.
16. Timber Shed, 24x90.
17. Timber Shed, 24x90.
18. Timber Shed, 16x66.
19. Barn, 24x30.
20. C. & N. W. R. R.
21. C. & N. W. R. R. switch.
22. Ill. Cent. R. R.
23. Ill. Cent. R. R. switch.



"VICTOR" IRON BEAM.



OF THIS POPULAR PLOW WE MAKE RIGHT AND LEFT HAND.

No. 80. 12-inch cut, double shin, medium steel landside. No. 90. 12-inch cut, single shin, medium steel landside.
 No. 81. 14-inch cut, double shin, medium steel landside. No. 91. 14-inch cut, single shin, medium steel landside.
 No. 92. 16-inch cut, single shin, medium steel landside.

This plow is the old "Grand Detour" shape, turns the ground quickly, and will cover all trash.

They are high under beam, have clear open landside, and are made entirely of wrought iron and steel, with hardened mold-boards, landsides and shares.

Iron Beam "Clipper."



WE MAKE IN RIGHT AND LEFT HAND.

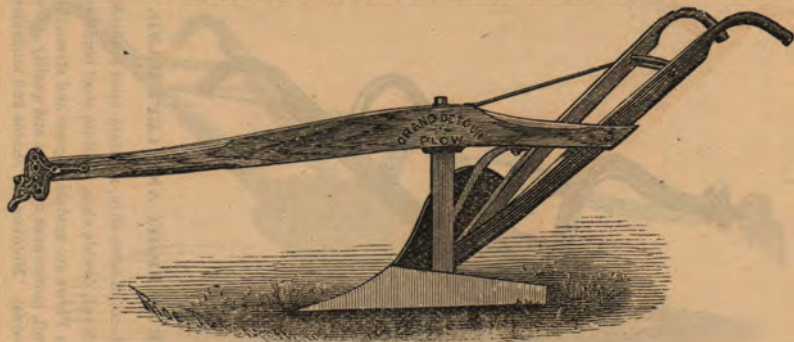
No. 71. 14-inch cut, double shin, medium steel landside.

No. 72. 16-inch cut, double shin, medium steel landside.

Our Iron Beam Plows are models of grace and strength, and for lightness of draft, perfectness of shape and quality of work this plow has no equal. Moldboards, shares and landsides are hardened.

NOTE.—We now put on all our 14 and 16-inch plows, both wood and iron beam, clevises adapted to either two or three horses.

MEDIUM STEEL LANDSIDE.

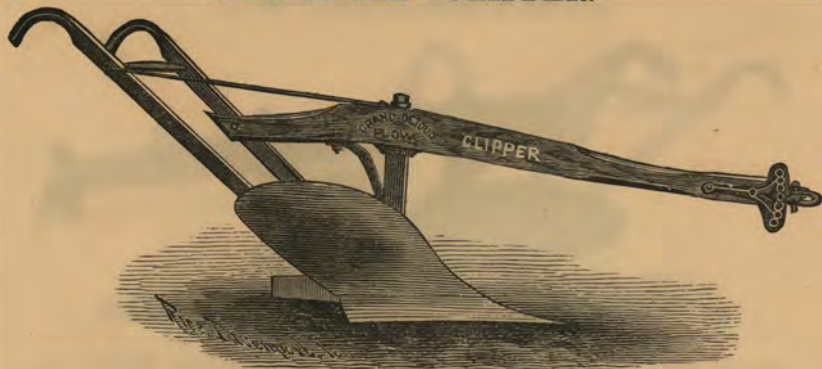


WE MAKE OF THIS IMPROVED PLOW BOTH RIGHT AND LEFT HAND.

No. 21. 12-inch cut, double shin, medium steel landside. No. 13. 12-inch cut, single shin, medium steel landside.
No. 23. 14-inch cut, double shin, medium steel landside. No. 15. 14-inch cut, single shin, medium steel landside.
No. 16. 16-inch cut, single shin, medium steel landside.

These plows have high moldboards, turn the ground quickly, and will cover all stubble and weeds. Being wide in the "throat," they will leave a clean, open furrow. They have hardened moldboards, shares and landsides, and their material, shape and finish guarantee the best scouring qualities.

NEW STYLE "CLIPPER."

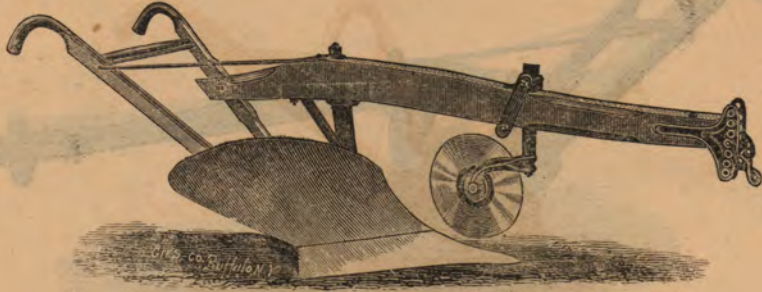


OUR "CLIPPER" IS MADE IN RIGHT AND LEFT HAND.

No. 61. 14-inch cut, double shin, medium steel landside. No. 62. 16-inch cut, double shin, medium steel landside. The plow has a long and easy turn, and is a very light draft, but covers stalks and trash completely. We claim for it the best model yet made. The 16-inch has a landside 40 inches long, and from point of share to heel of mold-board is 45 inches.

NOTE.—The beams for all 14-inch plows, and smaller sizes, are set for two horses; and all 16-inch plows are set for three horses, unless otherwise specially ordered.

SCOTCH CLIPPER.



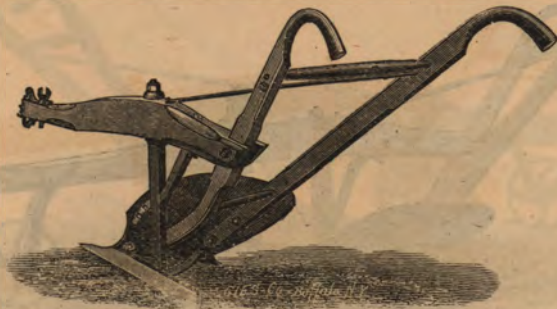
SOD AND STUBBLE PLOW.

No. 44, 14-inch cut, right and left hand.

No. 45, 16-inch cut, right and left hand.

As the country grows older, farmers desire to rotate their crops to keep their land in good condition, and require plows suitable for timothy and clover sod, as well as for stubble. This plow is intended for general purposes, its shape is a great favorite, and we are confident it will supply this demand.

LOW LANDSIDE PLOWS.



OF LOWER PRICED PLOWS WE MAKE IN RIGHT AND LEFT HAND.

No. 10. 10-inch cut, single shin.

No. 12. 12-inch cut, single shin.

No. 11. 11-inch cut, single shin.

No. 14. 14-inch cut, single shin.

The landsides are of iron, with hardened moldboards and cast steel shares, and are adapted to heavy soils, where strong scouring qualities are not demanded.

NEBRASKA BREAKER.

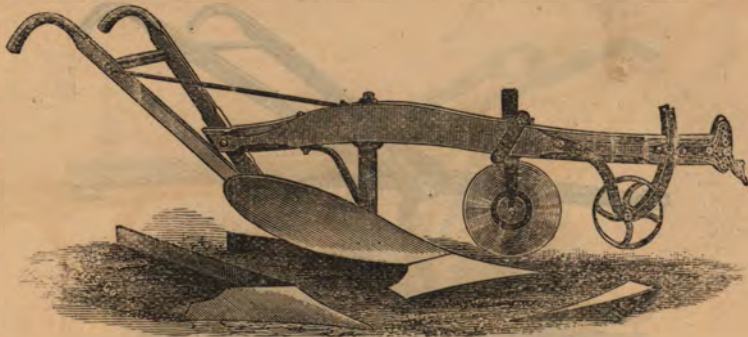


WE MAKE 12, 14 AND 16 INCH CUT,

And supply them with or without an extra share, rolling cutter and guide wheel. These are made of the best of solid cast steel, are well adapted to prairie soils, and we have no hesitancy in saying that they are **THE LIGHTEST DRAFT BREAKER IN THE WORLD.**

We also make 12, 14 and 16 inch cut **COMMON BREAKERS**, suitable for heavy soils, and supply them with or without standing cutters and extra shares.

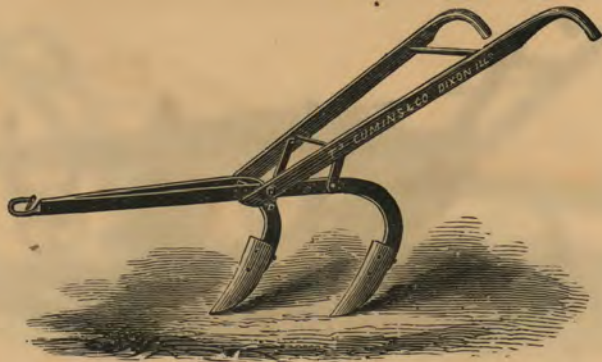
KANSAS AND DAKOTA BREAKERS.



WE MAKE BOTH KINDS IN 12 AND 14-INCH CUT,

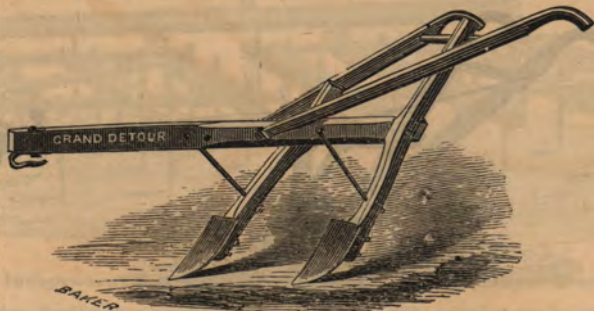
and supply them with or without an extra share, rolling cutter and guide wheel. The "Kansas" is adapted to ground having a tender sod, like that on which buffalo grass grows. The "Dakota" has a long bar-share with a heavy steel point, and is adapted to ground having small stones or roots. Both are well adapted to the localities which their names indicate.

IRON BEAM DOUBLE SHOVEL.



This implement is made for cultivating corn, potatoes, or anything grown in rows far enough apart to admit of its use. The beams are of iron and the shovels of cast steel, hardened. We are now attaching shovels to the beams by a steel block, sleeve and washer, and to prevent breakage of shovels, a wood break-pin is provided. There are lower priced implements in the market, but none we know of so good.

WOOD BEAM DOUBLE SHOVEL.



This is used for the same purpose that the iron beam is, and furnished with shovels made from the best cast steel of extra thickness, hardened.

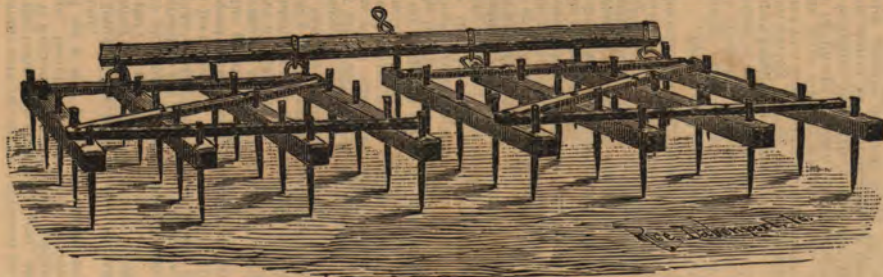
ONE-HORSE CORN PLOW.



SIZES, 7 AND 8 INCH CUT, RIGHT HAND ONLY.

These plows are made of the best cast steel, with hardened moldboards and solid cast steel shares, and are adapted for light plowing and the cultivation of crops.

GRAND DETOUR HARROW.



New Style. Independent Sections. Two Sections, 40 Teeth. Three Sections, 60 Teeth.

Independent Section Harrows are rapidly coming into favor; either section can be lifted separately and trash removed. Our coupling is simple, strong and will not allow the sections to come together or spread apart. Two sections cut about $8\frac{1}{2}$, and three sections about $12\frac{1}{2}$ feet. They are supplied with steel teeth $\frac{1}{2} \times \frac{1}{2}$ and 9 inches long, and are complete with suitable doubletrees.

A FIRST-CLASS HARROW AT A LOW PRICE.

Grand Detour Year Book.

Useful Hints on Plows and Plowing.

Extreme care should be exercised in sharpening shares, because the temper is drawn by heat, and a scale of oxidized metal is formed when the steel is heated in an open furnace or forge; therefore when they become dull they should be ground on a wet grindstone same as any other tempered edged tool.

By lengthening tugs a plow is made to run deeper: by shortening them, to run shallower. Long doubletrees tend to widen the cut; short ones to narrow it.

Deep plowing should be done in the fall, as the fresh earth thus turned to the surface, by its contact with the atmosphere during the winter, is greatly enriched, and its power to resist drouth increased.

Deepest tilled earth retains moisture longest, hence produces the greatest yield.

The crop is materially dimin'ished from plowing land either very wet or very dry.

In hard ground the point and edge of the share require to be set at a greater angle of penetration, or with more "bottom suck" than in mellow soil, owing to the different degrees of resistance.

Any plow will run on its point when the bottom of land-side has worn convex so that a straight-edge when applied to its base, does not touch both point and heel. A dull plow always inclines to run on its point. A sharp plow will incline to run on its point when the resistance of the soil is greater than the inclination to penetrate.

A plow naturally wings when opening the first furrow; and a plow that is run beyond the depth to which it is adapted will wing or crowd over toward landside in the same manner; the reason seeming to be that there is an undue pressure against top of mould.

The *unnatural winging* of a plow is caused by the edge of the share being *turned down* too much to suit the depth of plowing or condition of soil. To remedy this, file the under side or bend the share up a little.

A plow that runs level when plowing shallow or plowing light loamy ground, will wing when plowing deep, or plowing hard and sticky ground, hence a plow for plowing deep, or plowing waxy or hard land should have edge of share lightly set down, and a plow plowing light mellow ground should have the edge of the share turned up a little.

Caution About Shovels and Shares.

Extreme care should be exercised in sharpening either shovels or shares, because the temper is drawn by the heat, and a scale of oxidized metal is formed when steel is heated in an open furnace or forge.

When having shovels or shares sharpened, the *edge* should be heated to a *dark red* in a low fire, and the body of the shovel or share kept cool by water. When the edge is heated it should be quickly drawn; care being taken that no hammer marks be left on the surface, and that the original form of the share or shovel be not changed, as the running of a plow or cultivator greatly depends upon the edge and shape of the share or shovel. The edge should be evenly drawn out its entire length. Hardness and brittleness are common properties in metals; softness and toughness are incompatible.

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Wit and Wisdom.

Positive, wait; comparative, waiter; superlative, get it yourself.

Buy Grand Detour Cultivators.

The most notorious girl of the period is now known as Em. Bezzle.

The Grand Detour Sulky is the boss.

Three things to wish for—health, friends, and a contented spirit.

Buy the "Daisy" Hay Rake.

A man may be a teetotaler, and yet partake of the spirit of the times.

Grand Detour Sulky draws lighter than a walking plow.

There is always a spot in our sunshine. It is the shadow of ourselves.

Grand Detour Plows are models of grace and strength.

Why is a woodpecker like a tramp? Because he bores his own grub.

See cut of Power Lift for Grand Detour Sulky.

Upon a modest gravestone in Vincennes cemetery appears the plaintive legend, "His neighbor played the cornet."

Grand Detour Plows cover trash and weeds.

A pretty girl said to Leigh Hunt, "I am very sad, you see," whereupon he replied, "Oh, no! You belong to the other Jewish sect. You are very fair, I see."

See cut of our Iron Riding Cultivators.

A German farmer disputed his tax bill. He said, "I pays the state tax, the county tax, and the school tax, but I pays no total tax. I's got no total tax, and never had any."

The "Daisy" Rake is finished in good style.

All hair-pins look alike to men, but let a wife go off on a visit for a month, and come home and find a hair-pin near the door, and she can't wait a minute to grow red in the face.

The Grand Detour Spring Cultivators won't let down.

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TO THE Farmers Northwest.

Please notice the advantages of the Grand Detour Sulky:

Simplicity of Construction. It has few parts and joints; is compactly made; has a short heavy beam.

Durability and Strength. It is made of malleable and wrought iron and steel, has iron wheels with chilled hub boxes, and no strain or wear comes on the bolts.

Malleable Iron Arch. It has a solid Malleable Iron Arch, Quadrants, Rack Bar, etc., which will not break, and is lighter and stronger than cast iron.

The Bottom is the Best Made. With hardened steel Moldboard, Share and Landside, and duplicate Shares can be furnished to fit. The bottom is high and wide in the throat, leaving a clean, open furrow. It has a graceful, easy curve, but possesses the turning qualities of the old Grand Detour Walking Plows.

It has Two Levers, one to raise and lower the Plow, the other to level it.

To Raise the plow the lever is pulled backward instead of being pushed forward.

The Leveling Lever raises and lowers the frame vertically, thereby preventing friction and cutting of the spindles.

An Anti-Friction Coulter, provided with chilled thimbles, which prevents the dirt getting on the bolt, and relieves the friction.

Patent Clevis. It has a Clevis that prevents the Double-tree from dropping to the ground or falling onto the horses' heels.

Attachments. We make bottoms specially for Timothy and Clover Sod, also for Prairie Sod, that can be put on the Sulky beam by removing two bolts.

It is Easily Operated. The Plow goes in and comes out of the ground naturally, going in point down and coming out point up. A slight pressure on the lever controls the point when the team throws it in or out.

Hand or Horse Lift. Our hand-lift sulky handles easily, but to meet the demand among the trade, we have applied a horse-lift which is prompt and reliable. We can furnish either kind.

Lightness of Draft. The easy, graceful shape of the bottom, the anti-friction coulter and chilled hubs, close hitch of team, and direct draft, insure the lightest possible draft.

Its Value. Sulkies have their respective values as well as horses; the best is the cheapest. There are lower priced Sulkies, but none in the end so cheap. Buy the best.

Its Name. The "Grand Detour" has been a household word with farmers for over forty years, and thousands of farmers throughout the Northwest will accept its name as a guarantee of its excellence.

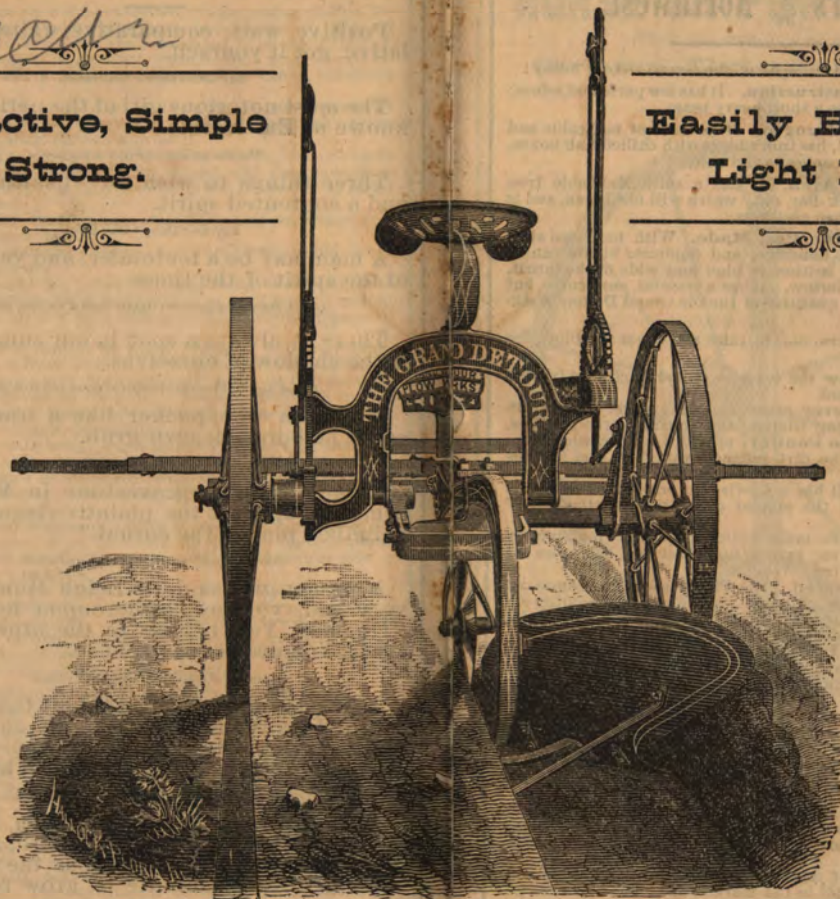
It is a Marvel of Beauty. It combines the good features of the best Sulkies in the market, and some new ones peculiar to itself, and is very attractive. Examine it before buying.

THE GRAND DETOUR SULKY PLOW

Cross

Attractive, Simple
Strong.

Easily Handled
Light Draft.



MADE IN EITHER HAND OR HORSE-LIFT.

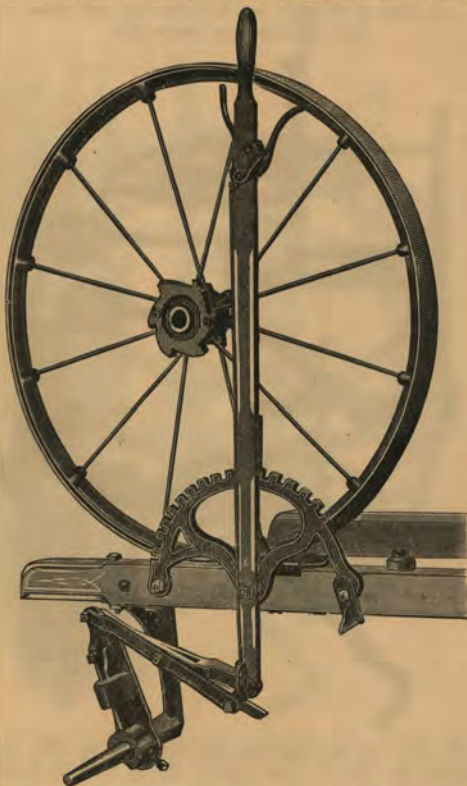
Grand Detour Year Book.

This Cut Correctly Represents Our

HORSE OR POWER LIFT,

Which has been applied to the

Grand Detour Sulky.



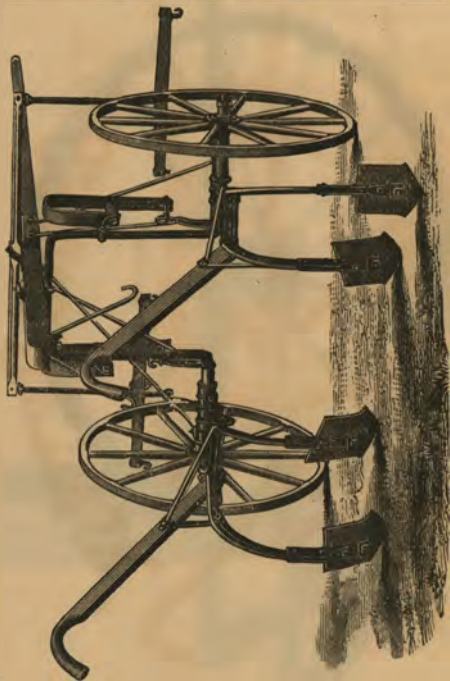
[Pat. Oct. 28, 1881.]

**It is Neat in Appearance, Prompt in Action,
Reliable in Work.**

Grand Detour Year Book.

THE IRON BEAM Grand Detour Cultivator

*Is made of Wrought and Malleable Iron and Steel,
both in Single and Double Pole.*



We have greatly improved our Cultivator for 1882. It is modern, has lots of good points, and is finished in good style.

FOR LIGHTNESS, SIMPLICITY AND STRENGTH

IT HAS NO EQUAL.

Grand Detour Year Book.

THE WOOD BEAM
WALKING CULTIVATOR

Made in both Single and Double Pole.



Our cultivator couplings are malleable, have a wide bearing, three adjustments on axle, and provides for tightening when worn. The shovels are large, made of the best steel, hardened and put on *just right*. To prevent breakage a break-pin is provided.

BUY THE GRAND DETOUR CULTIVATORS.

Grand Detour Year Book.

The Grand Detour Cultivator

WITH THE CELEBRATED



BROWN SPRING and DRAFT FLANGE

ADAPTED TO EITHER WOOD OR IRON BEAMS.

Grand Detour Year Book.

TO ÷ OUR ÷ PATRONS.

We desire to call your attention to the

Grand Detour

WALKING CULTIVATOR

WITH THE CELEBRATED

Brown Spring and Draft Flange,

Which we believe is the best Spring Cultivator in the market. The springs are strong, and will not "give down" by use, being made of the best of flat spring steel, properly tempered in oil, and thoroughly tested before being sent out. The Sleeve, Draft Flange and Couplings are of malleable iron and are light and strong. The Sleeve, which forms a part of Coupling, has a bearing of nine inches on axle, thereby holding beams more firmly in position than any coupling in use.

By the action of the spring the shovels are raised and kept in constant vibrating motion, and are easily managed. The action of this spring being always at right-angles with the beams, it is less liable to break or get out of order than those that have a circular swing, pulling the spring out of its natural shape. The Draft Flange has great merit. The change in hitch can be made at will, thereby causing the shovels to run deep or shallow as desired to suit various conditions of the soil or size of corn. The device, taken together, has no equal. Farmers have only to see it to appreciate its superiority and adopt it.

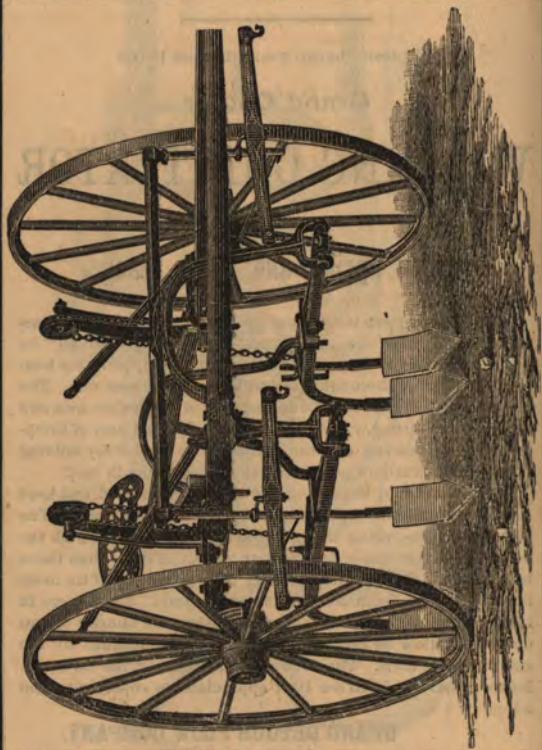
GRAND DETOUR PLOW COMPANY,

Dixon, Illinois.

Grand Detour Year Book.

THE GRAND DETOUR

Iron & Riding & Cultivator



The Simplest, Lightest, Strongest
and Most Attractive Riding
Cultivator Made.

Grand Detour Year Book.

To Dealers & Farmers.

We take pleasure in presenting for your consideration the new features, merits and advantages of the

GRAND DETOUR IRON RIDING CULTIVATOR.

1. It is made almost entirely of wrought and malleable iron and steel.
2. It has an arched wrought iron axle, and an arched pole brace, which provides for the cultivation of corn eight inches higher than any other Cultivator.
3. The Shovel and Sleeve are of Steel, with wood break-pin.
4. The Coupling is malleable, has four-inch bearing, is either right or left hand, and the top and bottom are alike.
5. The Shovels are long and wide, and are made of the best of steel, hardened.
6. It is provided with an equalizer and an adjustable hitch.
7. It has a convenient and adjustable seat, from which the plows can be moved easily, and having an arched iron axle, the driver has an unobstructed view of the ground and growing corn.
8. It is the simplest, lightest, strongest and most attractive Riding Cultivator made.

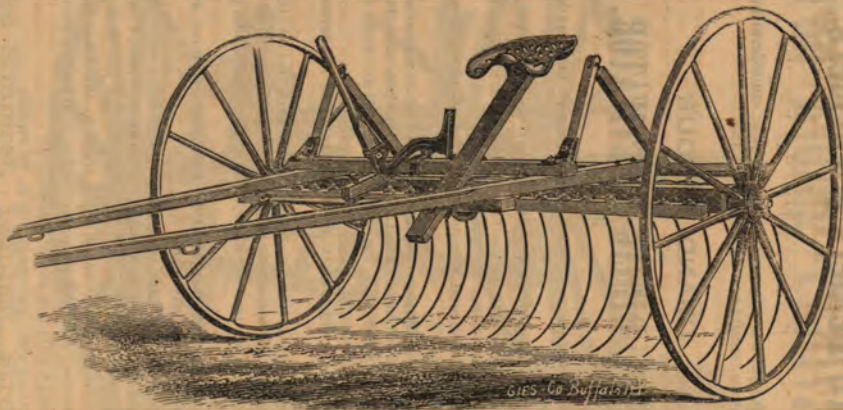
We believe that the general desire of farmers for implements made of Iron and Steel, in order to insure greater strength and durability, will be gratified, and the want fully met in this Iron Cultivator. Our trade in them has been a great success, and dealers acknowledge it to be the best selling Riding Cultivator in the market.

Soliciting your patronage for it, we remain

Very truly yours,

GRAND DETOUR PLOW COMPANY.

THE "DAISY" SULKY HAY RAKE.



GIES Co Buffalo N.Y.

"IT IS A DAISY."

Grand Detour Year Book.

Grand Detour Year Book.

THE "DAISY"

Sulky Hay Rake.

Combines in itself all the desirable qualities of a *perfect sulky hay rake* and has been fully tested by thousands of farmers throughout the Northwest.

While none but the very best material is used and first-class workmen employed in the construction of the Daisy, we avoid all the unnecessary and expensive parts which increase the cost of other rakes, and are thus able to sell it at a price which is within the reach of all.

The Daisy is not sold as a self-dump rake, but practical experience in the field will show that in a great many cases it will entirely dump itself, and in all others will so nearly discharge that it requires very little assistance on the part of the driver.

Any boy or girl can work the rake in the field. Very little pressure is required to hold the teeth down while gathering a load, and the lever can be easily managed so as to allow them to pass over obstructions.

The *adjustable seat* can be adapted to the height of any driver without loosening a single bolt.

The Daisy will do clean raking in all kinds of hay and stubble, and on all varieties of ground. As the rake is always under the control of the driver, the load can be discharged at any point and the windrows made large or small. When properly used we guarantee satisfaction.

The *overhanging stripper* leaves capacity for carrying larger load than any rake using cleaner sticks, and thoroughly cleans all hay from the teeth. The "drop" teeth are specially adapted to passing over inequalities of ground and gathering scattered hay.

The wood work of this rake is strong and well braced; both by the method of framing the pieces together, and also by iron braces.

The *iron parts* are sufficiently heavy to stand much more severe tests than the rake is likely to undergo.

The *teeth* are made of spring steel tempered in oil, each tooth is tested at the shop, and are so arranged as to be taken off or put on independently of each other.

We can furnish them with either shafts or pole. The pole rake is very convenient when changing from mowing to raking, as the same team can be hitched to rake without having to separate them; in bunching up, the horses straddle the windrow.

Believing that the "Daisy" has no superior, we take pleasure in presenting it for the patronage of the best dealers and farmers.

Correspondence solicited.

GRAND DETOUR PLOW COMPANY,

Dixon, Illinois.

An unsere deutschen Freunde.

Wir haben es uns bislang zur Aufgabe gemacht, unser „Jahrbuch“ sowohl in deutscher, als in englischer Sprache erscheinen zu lassen, allein da die Mehrzahl der Deutschen im Nordwesten der englischen Sprache in Wort und Schrift vollkommen mächtig ist, so halten wir es für überflüssig, unsere sämtlichen Fabrikate in deutscher Sprache zu beschreiben, doch glauben wir, daß ein Wort an Sie in Ihrer Muttersprache nicht übel angebracht wäre.

Indem wir Ihrer Aufmerksamkeit die von uns fabrizirten Geräthschaften empfehlen, wünschen wir ganz speciell auf die vielen Verbesserungen hinzuweisen, welche von uns bezüglich der Form und Ausstattung unseres Fabrikats gemacht worden sind. In den letzten Jahren sind bei der Herstellung von Stahl, der eigens für Pflüge bestimmt ist, bedeutende Fortschritte gemacht worden; wir benützen nur die allerbeste Sorte. Die vorzüglichste Art von Stahl, Schmiede- und Gußeisen, welche wir bei der Herstellung unseres Fabrikats brauchen, bietet Garantie für die Güte der Arbeit und die Dauerhaftigkeit der Waare. Für unseren Pflug mit hölzernem Beam benutzen wir nur das trockenste Eichenholz. Wir lassen dasselbe nach vorgelegtem Modell schneiden und speichern es ein bis zwei Jahre in unseren Holzschuppen auf, ehe wir es benutzen. Das Holz, welches so getrocknet ist, besitzt weit mehr Stärke, als wenn es auf künstlichem Wege getrocknet wird.

Die Nachfrage nach eisernen Beams ist in steter Zunahme begriffen, und unser eiserner Beam ist ein Muster von Form und Stärke, wir empfehlen ihn als den besten. Die Eisentheile unserer 12, 14 und 16 zölligen Pflüge sind von Gußstahl mit eisernem Kern, welcher so viel als möglich gehärtet ist, gefertigt, die Hälfte der Dike der Oberfläche ist indeß von solidem Stahl, von gleicher Härte und Vorzüglichkeit hergestellt, so daß die Politur und die Dauerhaftigkeit noch erhöht wird. Die „Medium“ Pflüge sind von gut gehärtetem Gußstahl, die Schaaren von gehärtetem Gußstahl mit weichem Stahlkern hergestellt. Bei allen unsern Pflügen besserer Qualität haben wir die Schaaren so angebracht, daß dieselben leicht ersetzt werden können.

Die Mehrzahl der deutschen Landleute wünscht einen Pflug, der sich leicht wenden läßt und der Unkraut und Spren gründlich bedeckt. Der „Grand Detour“ ist berühmt als mustergültig in dieser Beziehung; unser Pflug No. 23 mit hölzernem Beam und No. 81 mit eisernem Beam sind von dieser Gattung. Unser alter „Grand Detour“ findet bei schwerem Boden nicht seines Gleichen, und unser „Clipper“ ist ebenfalls außerordentlich beliebt. Zu „Brechern“ benutzen wir nur den besten, solidsten Gußstahl.

Der „Grand Detour Ziehpflug“ ist ein Muster von Form. Der Pflug ist einfach, hat wenig Theile, ist aus Schmiede- und hammerbarem Gußeisen und Stahl hergestellt; hat eine Pflugschaar, die keiner Reibung ausgesetzt ist, eine Patentvorrichtung zum Aufheben der

Doppelbeichsel: ist leicht in Betrieb zu setzen, leicht zu ziehen und hat sich unter den Händlern und Farmern zahlreiche Freunde erworben.

Der „Grand Detour“ Gangpflug, sowohl mit Holz- als Eisen-Beam, einfacher und doppelter Beichsel, ist leicht und stark. Die Schaufelvorrichtung und Seitentheile sind von Bessemer-Stahl, mit hölzerner Break-Pin. Die Ruppelvorrichtung ist von hämmerbarem Gußeisen, ruht auf einer vierzölligen Lage, ist für rechte wie linke Hand geschikt—oben und unten gleich. Sie hat an der Achse drei Stell-Theile und kann so enger angezogen werden, wenn nöthig. Um den vorgeschrittenen Ideen der Neuzeit zu genügen, haben wir die vorzügliche „Brown“ Springfeder an denselben angebracht. Diese Feder ist von flachem Springfeder-Stahl, weit haltbarer, als Spirals- oder aufgewidelte Federn. Die Tiefe der Furche kann hübsch regulirt werden durch einen angebrachten Haken und diese Vorrichtung allein verleiht unserm Fabrikat den Vorzug vor allen anderen Springfeder-Pflügen.

Der „Grand Detour“ mit Sicheinrichtung hat ebenfalls viele Neuerungen und Verbesserungen und man braucht ihn nur zu sehen, um ihn zu schätzen. Der Pflug ist ganz von Eisen und Stahl hergestellt, hat eine gewölbte Eisenachse, so daß er auch bei hohem Korn gebraucht werden kann; die Ruppelvorrichtung ist von hämmerbarem Gußeisen, die Schaufeln vom besten gehärteten Stahl. Er ist entschieden der hübscheste Pflug, der je gemacht wurde.

Unsere Egge mit Stahlzähnen und unabhängigen Einzeltheilen hat dem allgemeinen Bedürfnis nach einem Geräth zu niedrigen Preisen entsprochen und verrichtet so gute Arbeit wie irgend eine Egge zu hohem Preise. Wir liefern dieselbe mit Stahlzähnen, weil diese leichter und dauerhafter sind als die von Eisen. Dieselben bestehen aus zwei oder drei Einzeltheilen und werden, des niedrigen Preises halber riesigen Absatz finden.

Der „Daisy“ Heu-Rechen ist ein einfacher, praktischer Handrechen; seit Jahren ist derselbe fabrikt und verkauft worden und verrichtet mehr Arbeit als die theuersten und complicirtesten Heu-Rechen. Dieselben sind aus gutem Material gemacht, die Zähne von Federstahl, in Del gehärtet, und jeder Zahn wird in der Werkstätte probirt, ehe das Fabrikat in den Handel kommt.

Die Interessen der Farmer und Fabrikanten von Farmgeräthschaften hängen nahe zusammen. Wir dienen unserem eigenen Vortheil, wenn wir einem Farmer Geräthschaften verkaufen, welche hinsichtlich der Arbeit und Dauerhaftigkeit seinem Wunsche entsprechen. Wir werden deshalb weder Mühe noch Kosten scheuen, um unsere Waare so vollkommen als möglich zu machen.

Mit 44 jähriger Erfahrung und unerreichten Hülfsmitteln bei der Fabrication der Waare, mit dem weitverbreitetsten Ruf, daß unsere Waaren zuverlässig sind, hoffen wir mit Sicherheit auf die Kundschaft der besten Farmer des großen Nordwestens.

Um weitere Information wende man sich an die

„Grand Detour“ Plow-Compagnie,
zu Diron, Illinois.

Til vore norske Venner.

Ni har tidligere havt for Skit hvert Aar at udsende en Bog saavel paa Norsk som paa Engelsk, men da den første Del af Nordmand i Nordvesten har erhvervet sig Færdighed i at tale og skrive Engelsk, anse vi det for uundværendigt at beskrive alle vore Varer paa Norsk. Paa den anden Side mener vi, at et Par Ord i Eders eget Sprog ikke vil være afveien.

I det vi rette Eders Opmærksomhed paa vore Redskaber, beder vi særlig Opmærksomheden rettet paa de Forbedringer, vore Sager ere blevne underkastede saavel med Hensyn til Form som Udstyr. Store Fremskridt er i de sidste Aar sket med Fabrikation af Staal til særlig Brug for Plove, og af dette Staal benytte vi kun første Kvalitet. Den forbedrede Kvalitet af Staal, høieligt og smeddet Jern, som benyttes i Fabrikatet, garanterer et langt ypperligere Arbejde og større Varighed. Til vore Træaas-Plove benyttes kun den tørreste Eg, som vi skjærer og lagrer fra det ene Aar til det andet, forinden vi tager det i Brug. Tømmer, der tørres paa den Maade, er langt stærkere end obntørret Tømmer.

Efterspørgslen efter Jernaaser er i stærk Tiltagende, og vore er et Mønster paa Elegance og Styrke; vi anbefale dem som dem, der staar langt over andre. Muldhjelen paa vore 12, 14 og 16 Tommers Plove er lavet af Jern, der paa begge Sider omgives af Staal, der er hærdet saa meget som muligt. Den ene Halvdel af det øverste Lag er dog af rent Staal, hvorved der fremkaldes en særlig og jævn Hærdethed, en større Glathed og større Varighed. „Medium“ Landstidderne ere af hærdet støbt Staal, Plovskæret af Støbestaal med Centrum af blødt Staal. Paa alle vore Plove anbringe vi „Slip“ Skær, som kan fordobles. De fleste norske Farmere like en hurtig-dreivende Plov, som dækker al Hvede og tærster fuldkomment. „Grand Detour“ Ploven har altid været berømt for sin Kvalitet. Vor No. 23 Træaas- og vor No. 81 Jernaas-Plove ere af denne Form.

Vor gamle „Grand Detour“ Form har ikke sin Mæge, hvor Jorden frembyder Vanskeligheder, og vor „Clipper“-Former har mødt store Begunstigelser. Til „Breakers“ benyttes kun de bedste af rent Støbestaal. „The Grand Detour Sulky“ er en fuldstændig Mønsterplov, der er simpel i sin Sammensætning, har saa Dele, er af høieligt Støbejern og Staal, har et Anti-Frictions Långjern, har en Patents Forstilling, for at holde Skaglerne oppe, er let at behandle, let at trække og har en Stare Venner blandt Farmerne.

„The Grand Detour Walking Cultivators“, der fabrikeres baade med Træ- og Jern-Aaser, dobbelt og enkelt Stang, ere simple, lette og stærke. Deres „Shovel Blade“ og „Sleeve“ ere af Bessemers Staal, med Træ-Brydenaal.

Ruplingerne er bjielige, har en fire Tommers Tap paa Afslen og kan behandles enten med h re eller venstre Haand—Top og Bund ere ens. Den har tre Indstillinger paa Afslen og kan strues sammen naar en af dem er udslidte. For at f lge med ethvert Fremstribt har vi brugt de ber mte „Brown“ Fjeder paa dem. Fjederen er af elastisk Staal og er langt varigere end Spiralfjeder. Denne har ogsaa en regulerende Hage, hvorved Pl iningens Dybde med Lethed bestemmes. Alene denne Egenkab giver den Fordele fremfor nogen anden Spring Cultivator.

„The Grand Detour Ring Cultivator“ har mange nye Egenkaber og Fordele, og beh ver kun at tages i Diehyn for at v rds ttes. Den er n sten ubel nkende fabrikeret af J rn og Staal, har en buet J rn-Afsl , der g r den istand til at arbejde i h re Kornmarker. Sammens iningerne ere af bl dt J rn og Skovlene af det bedste h rdede Staal. Det er den mest tiltr kkende Cultivator i vor Tid.

Vor Staal „Tooth,“ nash ngige „Section Harrow“ har vundet Ry og er efterspurgt som et Redskab til en lav Pris; den arbeider ligesaa godt som Harver til h i Pris. Vi fabrikere dem med Staalt nder, da de ere lettere og varigere end dem af J rn. De fabrikeres i to og tre Sektioner, og til den Pris, de kan s lges, er Eftersp rgselen stor.

„Daisy“ H riven er et simpelt og praktisk Redskab, hvoraf der i aarevis er fabrikeret og solgt store M ngder; thi den erstatte de mere komplicerede og bekosteligere R ver. Den er solidt lavet, af godt Materiale og T nderne ere af elastisk Staal, h rdet i Olie. En hver Tand pr ves i V rksedet.

Farmeres og Fabrikanters Interesse i Redskaber ere n ie forenede. Vi tjene bore egne Interesser, naar vi giver Farmeren et Redskab, som vinder hans Bilal  baade med Hensyn til Arbeidet som til Varighed. Vi skal derfor ikke spare hverken N ie eller Udgifter for at g re vort Fabrikat det bedste i sit Slags.

Med en 44-aarig Erfaring, med uforlignelige Rettelser til Fabrikationen, med et vidt spredt Ry for solidt Fabrikat s ge vi med Tillid de bedste Farmere i Nordvesten som Kunder.

For n rmere Oplysning skriv til:

„Grand Detour“ Plow-Company,

Diron, Ill.

Grand Detour Year Book.

Pith and Point.

Man proposes, but is not always accepted.

The Power Lift of Grand Detour Sulky is prompt and reliable.

"Come, John Henry, why don't you get up with the lark?" "Been up with him all night."

Grand Detour Plows have been made for forty-four years.

The man who takes unto himself a wife on Christmas eve will be sure to have well-filled stockings.

The Grand Detour Sulky is the boss.

A little girl, who was much petted, said: "I like sitting on gentlemen's knees better than on ladies', don't you, ma?"

Read the history of the Grand Detour Plow Works.

"Advertising is like fishing—the more lines you throw out the more you are apt to catch. But be judicious; do not throw out bait that cannot be swallowed."

Buy the Daisy Rake. "It is a Daisy."

A girl ran away from home, and the father advertises her as "Laura, age 18, dressed in a straw hat." What a fix she'll be in if that hat blows off.

Household words with farmers — "Grand Detour Plow."

"How one thing brings up another," said his lady, in pleasing retrospection. "Yes," replied Dibbs; "an emetic, for instance." She left the table in a huff.

See diagram of grounds and buildings, Grand Detour Works.

When the recording angel observes a minister of the gospel holding a nail between his fingers, while he misses it with his hammer, the trustworthy scribe drops into a brown study, and pretends not to hear anything.

Buy the Grand Detour Sulky Plow.

Paddy's description of a fiddle cannot be beat: "It was the shape of a turkey, and the size of a goose; he turned it over on its back and rubbed its belly with shtick, and och! St. Patrick, how it did squal!"

The Grand Detour Riding Cultivator will work tall corn.

Grand Detour Year Book.

Fact and Fancy.

Why is a toper's nose called red when it is corn-colored.

Grand Detour Plows leave a clear, open furrow.

By the streets of "By-and-by" one arrives at the house of "Never."

Grand Detour Plows cover trash and weeds.

An Oil City girl, whose new beau is a clerk in a dry goods store, told a friend that she had got a new calico wrapper.

A simple, practical, hand-dump rake—"The Daisy."

A Dakota girl has married a Chinaman. He had some difficulty in explaining the state of his heart, but she finally got his cue.

Grand Detour Plows are the "Original Old Reliable."

The foundation for the meanest man is laid when a small boy turns the worm hole in an apple for his companion to bite from.

Grand Detour Plows will scour where any plow will.

If an untruth is only a day old, it is called a lie; if it is a year old, it is called a falsehood; but if it is a century old, it is called a legend.

See cut of our New Single-pole Spring Cultivator.

He who makes a great fuss about doing good will do very little; he who wishes to be seen and noticed when he is doing good will not do it long.

See the draft flange on Grand Detour Cultivators.

An Irishman, upon his arrival in the United States, noting the great number of military titles, exclaimed, "What a divil of a battle has been fought near here, where all the privates were kilt!"

The "Daisy" Rake is made with either pole or shafts.

A Texas man said he preferred to fight a duel rather than act as judge at a baby show. He saw a chance to dodge a bullet, but how could he escape from thirty-nine indignant mothers?

Grand Detour Sulky—either hand or horse-lift.

Grand Detour Year Book.

Rare and Racy.

Be slow to promise, but quick to perform.

Grand Detour Plows have a history. Read it.

A soldier had better smell of gun powder than musk.

Our Sulky will grow more corn than a walking plow.

When a thing is once begun it is almost half finished.

Forty-four years in plow making.

Three things to love—courage, gentleness and affection.

A first-class plow—The Grand Detour.

Don't put off till to-morrow the man you can do to-day.

Teeth of "Daisy" Rake are tempered in oil.

It is easy to undertake, but more difficult to finish a thing.

Don't buy a sulky until you see the Grand Detour.

Love is the strongest and most arbitrary moral power. Love forgives, but never excuses.

The best is the cheapest.

"I've often heard of the fruits of marriage," said Smith, when informed that he was the father of twins, "but I most solemnly protest against those fruits presented to me in the form of pairs.

The oldest plow manufactory west of the Alleghany.

"Johnnie," said his sister, "you must not commence a quarrel; let the other boy begin." "Well," exclaimed the little hero, "but if I wait for the other boy to begin, I'm 'fraid there won't be any fight."

Grand Detour Sulky is light draft and easily handled.

A colored preacher, in Norwich, a short while ago, gave out the following announcement: "Brudders and sisters, next Sunday, the Lord willing, there will be baptizin' in dis place, the candidates for baptism bein' four adults and three adulteresses."

The Grand Detour Riding Cultivator will work tall corn.

Cash Account, March.

Date		Received.		Paid.	

Cash Account, April.

Date		Received.		Paid.	

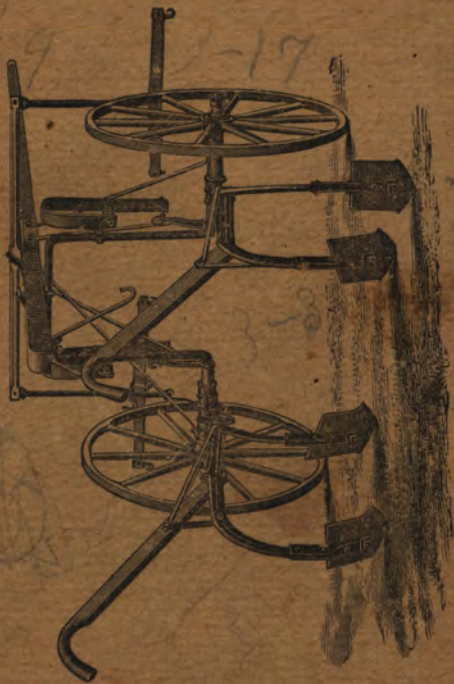
ERASABLE MEMORANDUM.

ERASE WITH A CLEAN DRY RUBBER.

The wheel Ericson
the northmen
led by him

Grand Detour Plow Co.

DIXON, ILLINOIS,



MANUFACTURERS OF

**Iron Riding Cultivators,
Wood Beam Walking Cultivators,
Iron Beam Walking Cultivators,
In Double and Single Pole, With
and Without Springs.**