

Thos. MEIKLE & Co.
AGRICULTURAL IMPLEMENTS.

TO 373-11-1
 262

THOS. MEIKLE & Co.
Plow MANUFACTURERS
 LOUISVILLE, KY.

THE CELEBRATED BLUEGRASS SULKY PLOW



THE FARMER'S TREASURES.

Plows,
 Harrows, Cultivators,
 Potato Diggers,
 Cotton & Corn Planters,
 Southern Stocks &
 Steel Shapes.

WITH COMPLIMENTS OF

THOS. MEIKLE & Co.
 MANUFACTURERS OF
PLOWS
 AND
CULTIVATORS.

BRANCH HOUSES,

THOS. MEIKLE & CO. FORT WORTH, TEX.
 " " " " HOUSTON, TEX.
 " " " " NEW ORLEANS, LA.
 " " " " NASHVILLE, TENN.

FACTORY & HOME OFFICE
 LOUISVILLE, KY.

THE BLUEGRASS SULKY PLOW.

SIX ACRES PER DAY WITH ONE MAN AND TWO TEAMS.

LOUISVILLE, KY.

ERASABLE MEMORANDA.

Sutherland Bay X 50
Sutherland Bay X 28
Sutherland Bay X 28
Sutherland Bay X 28
Sutherland Bay X 28

Trade over #738
Trade over #738

A circular vignette illustration of a man in a top hat driving a horse-drawn carriage. The carriage is pulled by a single horse. The scene is set outdoors with a fence and trees in the background. The illustration is in a dark, monochromatic style, possibly a woodcut or engraving.

Thos. Meikle & Co.,

LOUISVILLE, KY.

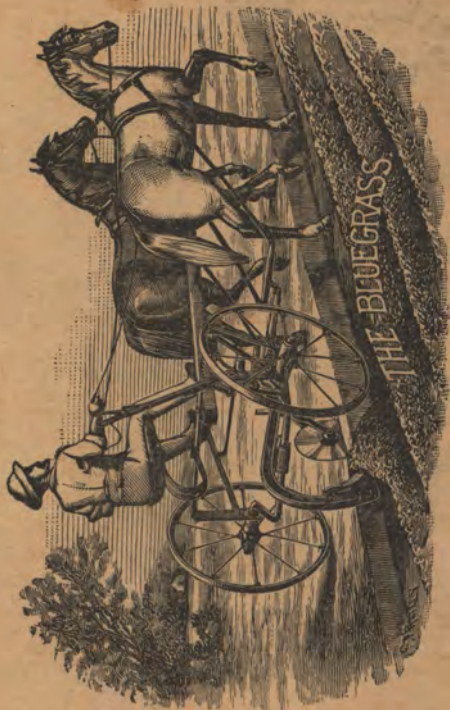
ERASABLE MEMORANDA.

~~Subscription in to hand with
30 Bony 19th C to the 7th 18
No. 12th 16~~

Thos. Meikle & Co., Louisville, Ky. ↵

MEIKLE'S LIGHT SULKY PLOW.

Patented Nov. 10th, 1885.



Equal to the Severest Strain of Heavy Ox Teams.

For Description see next Page.

THE BLUEGRASS SULKY PLOW.

Inclined Wheel. Single Lever.

No Sulky Plow ever introduced has come to the front so suddenly as Meikle's new "BLUEGRASS." It has been sent out quietly on its merits, with no expert to show it and no instructions how to run it, and, wherever it has gone, it has gone to stay, and be its own advertisement.

Many other sulkies do fine work under certain favorable conditions, in experienced hands, in level land and light soils. The "Bluegrass" works perfectly in ANY lands, over rough beds, and in "hog-wallow," and in the blackest and waxiest soils. It is equally at home in deep plowing of stubble and in the shallow stripping of tough prairie sod (prairie breaking). It is the only sulky known which is perfectly adapted to the work of bedding or ridging land.

The maximum lightness of draft has been reached in the "Bluegrass." Only the best and highest priced steel and iron have been allowed to be used in its construction, and thus far no part of it has been known to break.

Write for the "Sermon to Farmers," a handsome pamphlet, giving a full description of the Bluegrass Sulky Plow.

Agents desiring to use the artistic cut on preceding page for their own advertising will be furnished an electrotype free of charge.

PRAIRIE BREAKER ATTACHMENT.

We prefer to furnish Prairie Breaker Bottoms complete with steel beam and clevis, instead of the bottoms separate. The Breaker is thus ready to be slipped upon the axle in a moment, or removed with the same ease. The farmer can well afford to pay a slightly higher price to be relieved of the disagreeable labor and care required in changing bottoms upon the beam, to say nothing of the attendant evils of barked knuckles and profanity.

PRICE LIST.

BLUEGRASS SULKY PLOW, COMPLETE.

(Bottoms for either Black or Sandy Land.)

8, 9, and 10-inch cut, with Extra Point.....	\$45 00
11 and 12 " " " " "	47 50
14 and 16 " " " " "	50 00

"CYCLONE" PRAIRIE BREAKER ATTACHMENT.

12, 14, and 16-inch cut, with Beam, Clevis, and extra Point, \$22.00 to \$25.00 each.

Thos. Meikle & Co., Louisville, Ky. 



ADJUSTABLE ATTACHMENT
—FOR—
Castor Rolling Coulters.
[PATENT APPLIED FOR.]

A first class rolling coulter is a great desideratum, especially in Sulky Plows, and its adjustment, both as to depth and to proper distance sideways from the point of a plow so as to take more or less "land," is a matter that should always receive careful attention from the plowman with reference to the character of the ground he is working.

The adjustable attachment shown in the cut is a plate bent at right angles, the upright flange having a series of holes which enables the coulter to be adjusted at different heights, or further forward or back, while the slot in the horizontal flange, by moving a single bolt, gives any side shift that may be desired.

Our new Coulter Hub is devised to resist wear and exclude dirt and grit. We claim the most durable coulter upon the market.

Carbolic Acid in Glue and Paste.

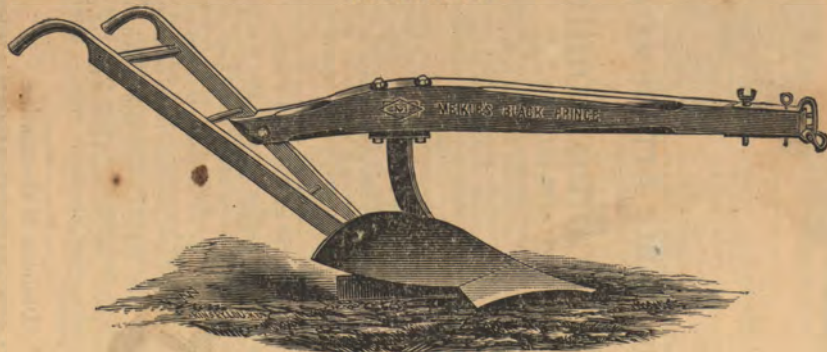
The effluvia from decomposing paste and glue is as unwholesome as it is offensive. If, when making the paste and glue, a small quantity of carbolic acid is added, it will keep sweet, and free from offensive smells. A few drops added to ink or mucilage prevents mould. In whitewashing the cellar and dairy, if an ounce of carbolic acid is added to each gallon of wash, it will prevent mould, and also the disagreeable taints often perceived in meats and milk from damp apartments. Another great advantage is the use of carbolic acid in paste for wall paper and in whitewash is that it will drive away cockroaches and other insect pests. The cheapest and best form of carbolic acid is the crystals, which dissolve in water, or liquify at an excess of temperature.

Division of Occupation.

In 1880 there were 17,392,000 persons engaged in various occupations in the United States. Of this number 7,600,000 were engaged in agriculture; 4,000,000 in professional and personal occupations; 3,800,000 in manufacturing, mechanical labor and mining; 1,800,000 in trade and transportation.

"BLACK PRINCE" SERIES.

WOOD BEAM.



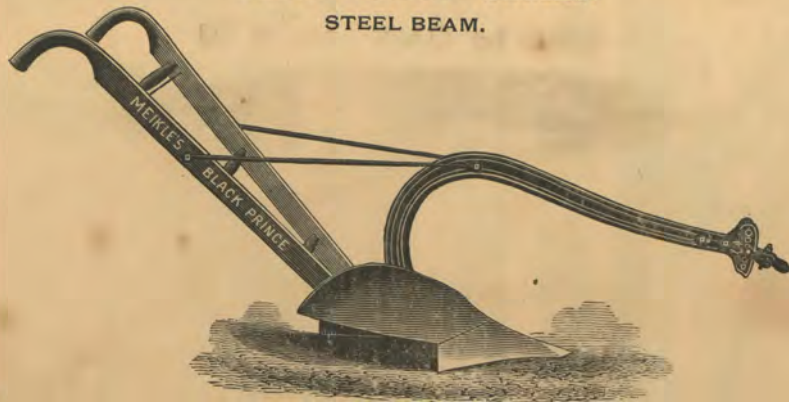
BLACK LAND PLOWS.

Points of Black Prince interchange with those of Sand King.

Thos. McKie & Co., Louisville, Ky.

"BLACK PRINCE" SERIES.

STEEL BEAM.



BLACK LAND PLOWS.

Points of Black Prince Interchange with those of Sand King.

Thos. Meikle & Co., Louisville, Ky. ✦

"Black Prince" Series.

BLACK LAND STEEL TURNING PLOWS.

This elegant series, strictly first-class in material and finish, has been found more perfectly adapted than any other to the requirements of Texas "black waxy" lands.

Hardened soft center cast steel molds, wrought iron frog plates, wood or steel beams as ordered.

The points interchange with corresponding sizes of the "Sand King."

Cuts from 7 to 16 inches.

The Difference between Happiness and Misery.

Mr. Micawber says, by way of illustration, that if a man's income be one shilling, and he spends twelve pence, half-penny, the result is misery. If, with the same income, his expenditure is eleven pence, half-penny, the result is happiness.

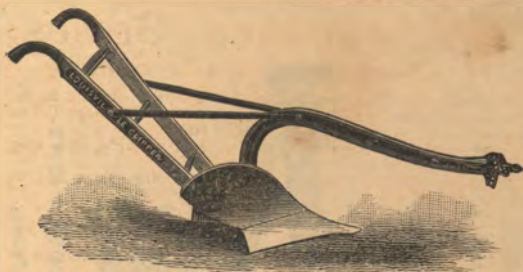
Proportionate Use of Coin and Paper.

Comptroller Knox found, on computing the returns of 1,966 banks, that the receipts were composed as follows:

	Per cent.
Gold coin.....	0.65
Silver coin	0.16
Paper (greenbacks and bank notes).....	4.06
Checks and drafts.....	95.13

Population and Area of Principal Countries.

Countries.	Population.	Area Square Miles.
Austria-Hungary	37,741,413	240,415
Belgium.....	5,520,009	11,369
Brazil	10,108,291	3,218,166
Canada.....	4,324,810	3,204,381
China	434,626,000	4,560,107
Egypt.....	17,419,980	1,152,948
Denmark.....	2,095,400	14,784
France.....	37,405,290	204,030
Germany	45,194,172	208,624
Great Britain and Ireland.....	35,246,633	121,571
Greece	1,979,423	20,018
India (British).....	252,541,210	810,542
Italy	28,452,639	114,380
Japan.....	36,700,118	146,568
Mexico.....	9,389,461	741,598
Norway.....	1,806,900	122,823
Russia	98,356,100	8,138,541
Spain	16,625,860	193,170
Sweden	4,565,668	170,927
Switzerland.....	2,846,102	15,908
United States (1884).....	55,500,000	3,602,990



"LOUISVILLE CLIPPER" SERIES.

Western Steel Turning Plow.

The bold model of the "Louisville Clipper" has been adopted after thorough experiment in Kansas soils, as the one best adapted to Western needs.

It turns a beautiful furrow and covers trash to perfection, with the minimum of friction and lightest possible draft for the character of work done.

Made of extra hardened soft center cast steel, with either wood or steel beams.

Sizes, 12, 14 and 16-inch cut.

Simplest Rule of Interest.

Any amount, any time, any per cent. Multiply amount by actual number of days; multiply this product by the rate; divide by 365. Result gives dollars and cents.

Another, based on 30 days to the month, 360 to the year. Multiply principal by number of days; for 6 per cent. divide by 60, 7 per cent. divide by 51, 8 per cent. divide by 45, 9 per cent. divide by 40, 10 per cent. divide by 36.

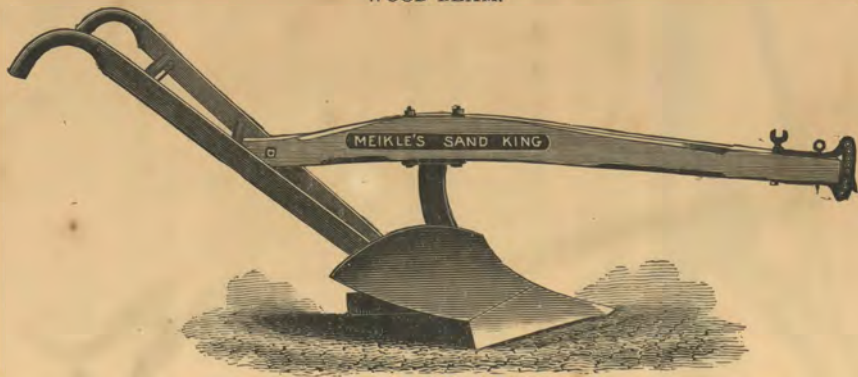
Distance Traveled in Plowing.

The following table shows distance traveled in plowing one acre with furrows of different breadth:

Furrow	Distances.	Furrow	Distance.	Furrow	Distance.
7-inch.	14 $\frac{1}{8}$ miles.	12-inch.	8 $\frac{1}{4}$ miles.	18-inch.	5 $\frac{1}{2}$ miles.
8 " "	12 $\frac{1}{2}$ "	13 " "	7 $\frac{1}{2}$ "	19 " "	5 $\frac{1}{4}$ "
9 " "	11 " "	14 " "	7 " "	20 " "	5 " "
10 " "	10 " "	15 " "	6 $\frac{1}{2}$ "	30 " "	3 $\frac{1}{2}$ "
11 " "	9 " "	16 " "	6 $\frac{1}{8}$ "	50 " "	2 " "
		17 " "	5 $\frac{3}{4}$ "		

"SAND KING" SERIES.

WOOD BEAM.



New Series Sandy Land and General Purpose Plows.

Points of Sand King interchange with those of Black Prince.

Thos. Meikle & Co., Louisville, Ky.

"SAND KING" SERIES.

STEEL BEAM.



New Series Sandy Land and General Purpose Plows.

Points of Sand King interchange with those of Black Prince.

Thos. Meikle & Co., Louisville, Ky.

“SAND KING” SERIES.

Sandy Land Steel Turning Plows.

The model of the “Sand King” is designed for Texas loose or sandy land, but the material and finish are of the same high class as in the “Black Prince.” Hardened soft center cast steel, with either wood or steel beam, and points interchangeable with corresponding sizes of the “Black Prince” series of Black Land Plows.

Sizes from 7-inch cut to 16-inch cut.

The World's Wealth a Comparatively Small Matter. Why only a Few can be Rich.

Even in prosperous America, the cost of mere subsistence absorbs nine-tenths of each year's product; and even as soon as the other tenth is saved, it begins to waste. Hence the life of the great majority of men is, and must be, a struggle for existence, and any large leisure for the masses is impossible.

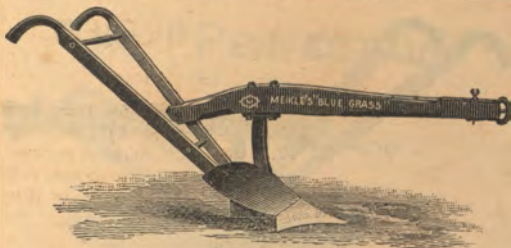
The Anarchists' idea that capital is an immense hoard, and that if it could be seized and divided it would make everybody comfortable, is a very absurd delusion, but one, nevertheless, that embitters the thoughts of many an honest workingman. The fact is, that the fixed capital of the richest state in the world is equal only to two or three years' production. In Massachusetts all the mills, works, railroads, dwellings—all the goods and wares in stock and ready for use—everything upon the land on which a price can be put, and which has been saved from the product of the labor of the past, could be purchased at the value of two, or, at the utmost, three years' production of the same state.

The world is always within a year of starvation. The stock of food on hand at any one time is only a part of last season's product. The present stock of material for clothing was made within the last six months. The cotton was raised last summer, and is almost all gone. The wool was clipped this spring. The timber now being used in dwellings and warehouses and factories stood in the forest within two years.

The wages of labor and the profits of capital are simply a share or division of each year's product of food, fuel, clothing and other materials needed for subsistence. In a bad business year like the present, it may easily happen that labor gets the whole of this huge product and the wealthy capitalist nothing.



Thos. Meikle & Co., Louisville, Ky.



“BLUEGRASS” SERIES.

Southern Steel Turning Plows.

The “Bluegrass” series is a reproduction in costlier materials and finish of the well-known “Louisville” series as follows:

Little Pet, cut.....	6½ inches.
No. P. O., “	7 “
No. A. O., “	7½ “
No. B. O., “	8 “
No. C. O., “	8½ “
No. D. O., “	9½ “

Solid wrought capped standards, wrought iron frog plates, and wrought braces. Mold-boards of hardened soft center cast steel.

This series is made in wood beam only.

Poisons and their Antidotes.

If any poison is swallowed, drink instantly half a glass of cool water, with a heaping teaspoonful each of common salt and ground mustard stirred into it. This vomits as soon as it reaches the stomach. But for fear some of the poison may remain, swallow the white of one or two eggs or drink a cup of strong coffee, these two being antidotes for a greater number of poisons than any other dozen of articles known, with the advantage of their being always at hand; if not, a pint of sweet oil, lamp oil, drippings, melted butter or lard are good substitutes, especially if they vomit quickly.

Simple Remedy for Croup.

Half a teaspoonful of pulverized alum in a little molasses. It is a simple remedy, one almost always at hand, and one dose seldom fails to give relief. If it should, repeat it after one hour, or a teaspoonful of lard and one of molasses.

Remedy for Choking.

Swallow a raw egg.

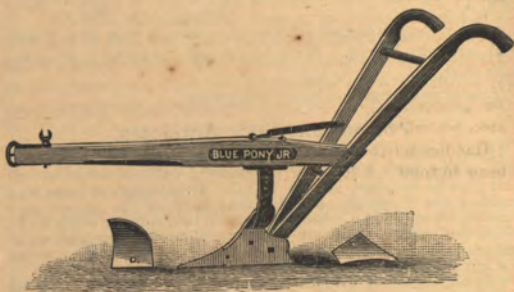


"BLUE PONY" CAST PLOWS.

Wrought Iron Standard and Frog Plate.

Blue Pony, cut.....	6½ inches.
No. K 1, "	7 "
No. K 3, "	9 "

The success of this plow has brought into the market a flood of cheap pot-metal extras made to fit the Blue Pony. They are not cheap in the long run. Insist on having only the genuine extras, which are guaranteed to stand a pressure of 750 pounds to the square inch without breaking.



"BLUE PONY JUNIOR" CAST PLOWS.

The "Blue Pony, Jr." is an improvement upon the "Blue Pony," designed especially to work in thick, tough grass without choking. Molds and points are the same shape and size as "Blue Pony," but the handles are bolted together on the land-side and braced to beam with an iron rod. A small wing accompanies each plow.

THE "PERFECTION."



Price, \$4.50.

Steel Beam Double Shovel Plow.

Meikle's new "Perfection" is a great advance upon the cheap and crude implements which have heretofore done duty as double shovels.

It has the complete adjustability heretofore attempted only in Cultivators. The standards of inch round steel can be set deep or shallow, right or left, with slot for regulating the angle at which the plow enters the ground. The beams are solid steel, capped with double steel bars securely holding the adjustable, braced, malleable "Break."

Handles selected and strengthened by iron cross-rod. Wood beam in front. Expanding brace and cast wedges.

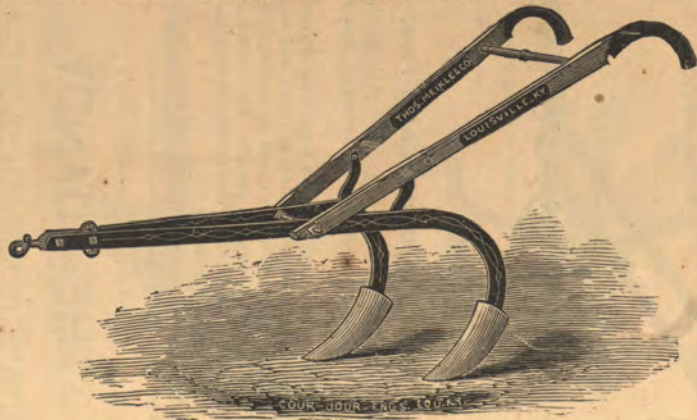
THE "DANDY."

We have added still another style to our large line of Double Shovel Plows. The "Dandy" resembles our regular Wood Beam Double Shovel, but has malleable sleeve standards with break-pin. It is of superior material and finish, and is destined to be a great favorite.

Price, \$4.00.

IRON BEAM DOUBLE SHOVEL PLOW.

With Expanding Brace. Price, \$3.50.

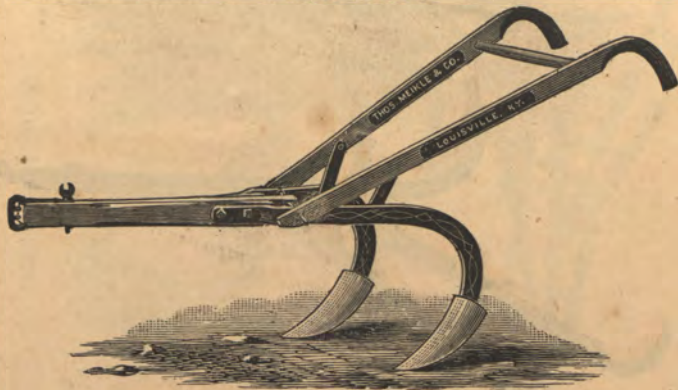


Shovels $5\frac{1}{2}$, 6, $6\frac{1}{2}$ or 7 inches wide, as ordered.

THOS. MEIKLE & CO., Louisville, Ky. ↵

WOOD BEAM DOUBLE SHOVEL PLOW.

Price, \$3.50.



With Wrought Expanding Brace and Cast Wedges.

THOS. MEIKLE & CO., Louisville, Ky.

MEIKLE'S BREAK-PIN IRON BEAM DOUBLE SHOVEL PLOW.

Price, \$4.00.

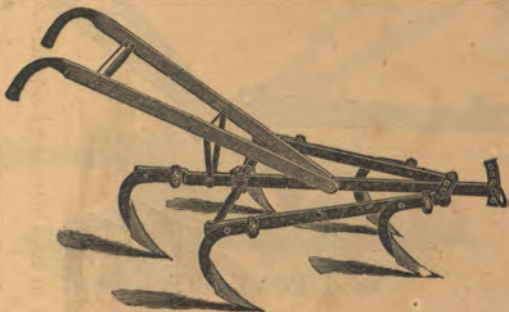


The blades on this Plow are attached to open standard by heel bolts or by countersunk bolts, as may be ordered.

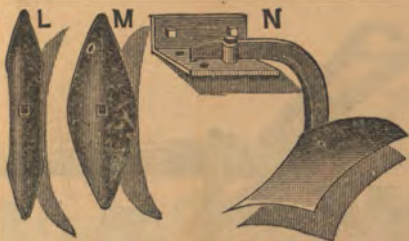
Thos. Meikle & Co., Louisville, Ky. 

Thos. Meikle & Co., Louisville, Ky.↔

THE "MAYFLOWER."

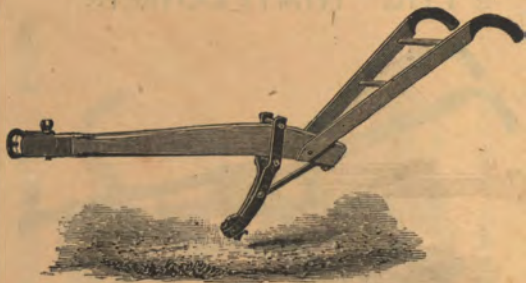


Five-tooth Iron Frame Cultivator, with Adjustable Beams and Adjustable Standards.



Extra Attachments.

The Mayflower is very strong, durable and light, being made with wrought iron frame and standard, and put together throughout with bolts. The Shovel Blades are reversible, and the Cultivator can be changed from five-tooth to three-tooth with ease.



No. 1 PONY STOCK.

Price, \$1.50.

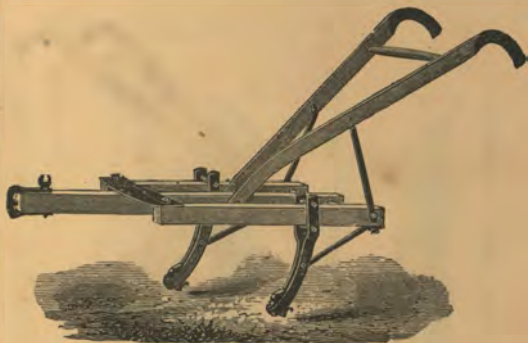


No. 1 PONY STOCK.

With Attachments.

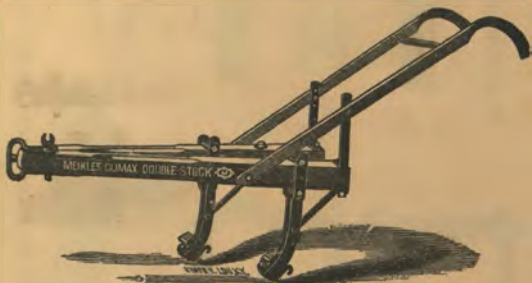
Price, complete, \$5.50.

Thos. Meikle & Co., Louisville, Ky.↵



No. 2 PONY STOCK.

Price, \$3.00.



"CLIMAX" DOUBLE STOCK.

Price, \$3.00.

Thos. Meikle & Co., Louisville, Ky.



"REGULAR" KNIFE COULTER AND "CLAMP."



"JUMPING" KNIFE COULTER AND "BAND."

TO BE WORKED THROUGH MORTISED BEAMS.



CAST SCRAPER FOOT.

To attach Scraper Blade to Patent Combination Stock, making a first-class Cotton Scraper at small expense.



Price.....70 cents.

Send for quotations on Steel Blades, Coultters, Heel Bolts, Grass Rods, &c.

Thos. Meikle & Co., Louisville, Ky.↔

THE "SPRING BEAUTY."

Steel Frame Walking Cultivator.



Steel Beams and Round Steel Standards.

NOTE.—Springs can be easily removed and Cultivator used without springs if desired.

THE "SPRING BEAUTY."

Steel Frame Walking Cultivator.

STEEL BEAM AND STANDARDS.

We claim for the "Spring Beauty" that it has no equal in ease of handling and lightness of draft, and that it is the best as well as decidedly the handsomest Cultivator made.

Look at the points of superiority:

Adjustable Tread Lever.

Angle Braces.

Steel Frame.

Double Gangs of Steel.

New Style Standard Bracket, with Slide Break.

Round Steel Standards.

Tongue, Double-braced with Steel Supports.

A combination of unusual strength, lightness and elegance.

It is changeable in a moment to different widths of tread, width between beams, or any desired depth, angle or pitch of shovels.

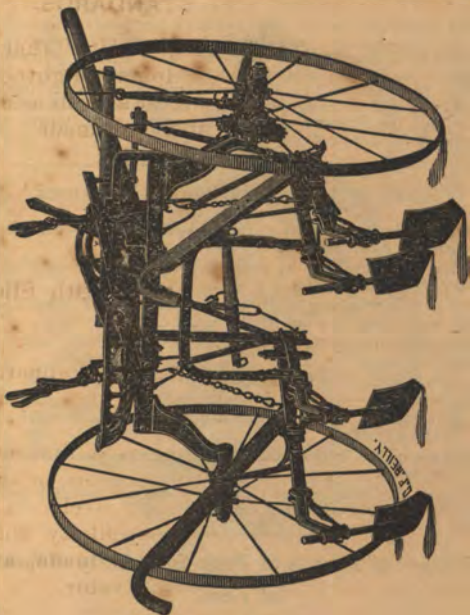
The quickness, ease and simplicity with which these various changes are made, are unapproached in any other Cultivator.

COTTON AND CORN PLANTER ATTACHMENT.

We make Cotton and Corn Planter Attachment for both the "Spring Beauty" and "Laurel" Cultivators.

THE "LAUREL."

Steel Frame Combined Cultivator.



Steel Beams and Round Steel Standards.

[N. B.—The cut shows the "Rear Arch," which is furnished when desired for the purpose of connecting the gangs.]

THE "LAUREL."

Steel Frame Combined Cultivator.

STEEL BEAMS AND STANDARDS.

The "Laurel" has all the attractive features and merits of the "Spring Beauty," with such changes as are necessary to adapt it for either riding or walking. It is equally adjustable to any style of cultivation and to irregularity of surface.

With the "Laurel" is furnished a rear arch for connecting the gangs and insuring uniformity of distance. The arch is adjustable for different widths. The tread of the wheels can be altered from 44 to 52 inches.

Sizes of Boxes for Different Measures.

A box 24 inches long by 16 inches wide, and 28 inches deep, will contain a barrel, or three bushels.

A box 24 inches long by 16 inches wide, and 14 inches deep, will contain half a barrel,

A box 16 inches long by 8 2-5 inches wide, and 8 inches deep, will contain half a bushel.

A box 8 inches by 8 2-5 inches, and 8 inches deep, will contain one peck.

A box 8 inches by 8 inches, and 4 1-5 inches deep, will contain one gallon.

A box 7 inches by 4 inches, and 4 1-5 inches deep, will contain half a gallon.

A box 4 inches by 4 inches, and 4 1-5 inches deep, will contain one quart.

A box 4 feet long, 3 feet 5 inches wide, and 2 feet 8 inches deep, will contain one ton of coal.

Number of Pounds of Pork from Fifty Pounds of Feed.

Careful experiments have shown the following facts in regard to feeding corn to make pork:

50 pounds of corn, fed whole and raw, make ten pounds of pork.

50 pounds of corn, fed ground and raw, make 15 pounds of pork.

50 pounds of corn, fed ground and fermented, make 17 pounds of pork.

50 pounds of corn, fed cooked and fermented, make 20 pounds of pork.

Thos. Meikle & Co., Louisville, Ky. ↗

THE "BLUE BELL."

Improved Tongueless Cultivator.



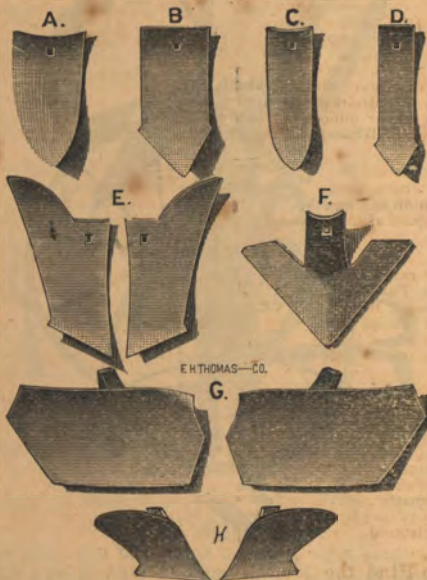
Steel Beams and Standards.

The "Blue Bell" meets the demands of those who want a cultivator first-class in all respects, yet without a tongue, which they consider an unnecessary encumbrance, and awkward in turning at the ends of rows. It is not "crazy," but on the contrary, is as steady as a tongue cultivator.

The double arch, which is expansible for different widths, insures that the direction of draft shall be at all times the same for both beams, but without rigidity.

Adjustable not only for width of tread, but for width between beams, and any desired depth, angle, or pitch of shovels.

**EXTRA ATTACHMENTS FOR MEIKLE'S
CULTIVATORS.**



**Send for Descriptive Circular and Price List
of Meikle's Cultivators.**

POSTAL INFORMATION.

Domestic Rates.

FIRST CLASS.—Letters and all other written matter, whether sealed or unsealed, and all other matter sealed, nailed, sewed, tied, or fastened in any manner so that it can not be easily examined, two cents per ounce, or fraction thereof.

Postal cards one cent each. Postal cards are unmailable with any writing or printing on the address side, except the direction; or with anything pasted upon or attached to them.

SECOND CLASS.—Only for publishers and news agents.

THIRD CLASS.—Printed matter in unsealed wrappers, one cent for each two ounces, or fraction thereof, which must be fully prepaid.

FOURTH CLASS.—All mailable matter not included in the three preceding classes, which is so prepared for mailing as to be easily withdrawn from the wrapper and examined. Rate one cent per ounce, or fraction thereof, which must be fully prepaid in all cases. Limit of weight four pounds.

Canada Rates.

All letters, postal cards, printed matter, samples, etc., to the Dominion of Canada, Nova Scotia, New Brunswick, etc., must be prepaid at the same rate as domestic postage.

Foreign Rates.

The rate of postage to all parts of Europe, Persia, India, Egypt, Turkey, Japan, Cuba, Mexico, Bermudas, Porto Rico, Honduras, Brazil, Chili, Peru, Argentine Confederation, Venezuela, Ecuador, and Newfoundland, and all other countries embraced in Postal Union, for letters, is five cents per half ounce, or fraction thereof. Prepayment is optional. If not prepaid, however, a fine is collected on delivery.

One cent in addition to the impressed stamp is required on all foreign postal cards.

Newspapers, two cents for each four ounces, or fraction thereof.

On all other printed matter and samples, one cent for each two ounces, or fraction thereof. The least postage, however, on any such package is five cents.

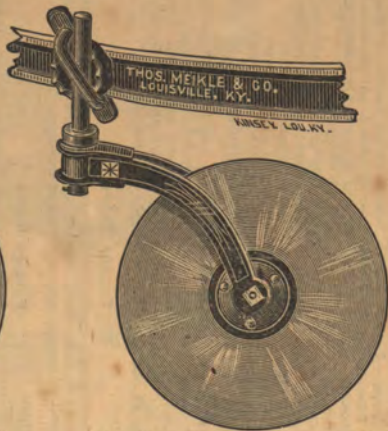
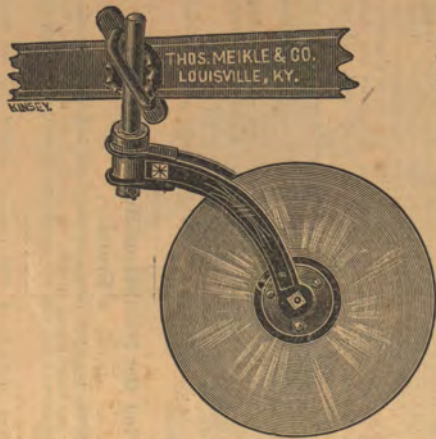
All matter, except letters, must be fully prepaid.

By a prepayment of 10 cents extra, all mailable packages may be registered.

To Find the Number of Bushels of Grain in a Granary.

Multiply the length in inches by the width in inches, and this again by the height, and divide the product by 2,150, and for heaped measure, 2,448; and the quotient will be the answer.

The dairy products of this country exceed the oat crop \$300,000,000; the wheat crop \$1,000,000; the cotton crop \$220,000,000; the product of iron bars and steel \$257,000,000, and the pig iron output \$119,000,000.



MEIKLE'S ROLLING COULTERS.

SHOWN ON WOOD AND STEEL BEAMS.

THOS. MEIKLE & CO., Louisville, Ky. ↵

Cubic Feet of Hay in a Ton.

The rules for hay in general use are as follows for a ton:

Timothy, a year in mow or stack.....	500	cubic feet.
Timothy, from the bottom of the stack.....	400	" "
Timothy, newly stacked.....	700	" "
Clover, stacked for some months.....	700	" "
Clover, new.....	900	" "
Timothy and Clover, old stack.....	600	" "
Timothy and Clover, new.....	800	" "
Common Meadow Hay, old.....	800	" "
Common Meadow Hay, new.....	1,000	" "

Quantity of Seeds Required per Acre.

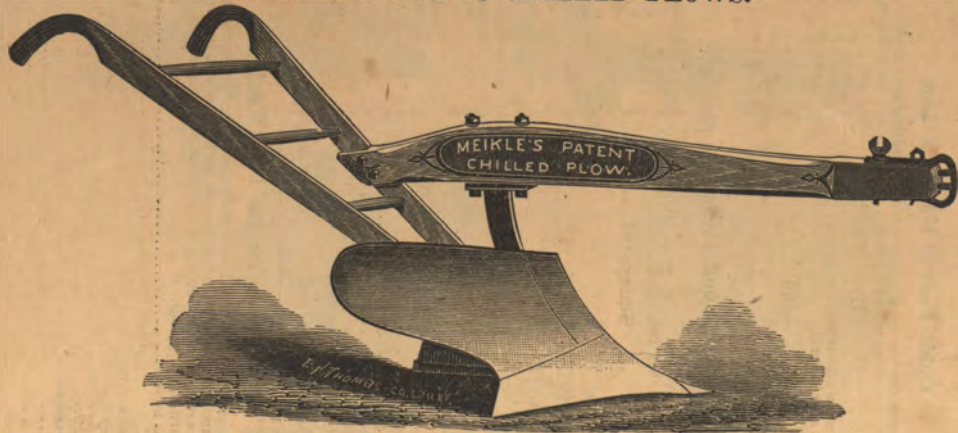
Wheat.....	1½ to 2	bushels.
Rye.....	1½ to 2	"
Oats.....	3	"
Barley.....	2	"
Peas.....	2 to 3	"
White Beans.....	1½	"
Buckwheat.....	½	"
Corn, broadcast.....	4	"
Corn, in drills.....	2 to 3	"
Corn, in hills.....	4 to 8	quarts.
Broom Corn.....	½	bushel.
Potatoes.....	10 to 15	bushels.
Beets.....	3	pounds.
Carrots.....	3	"
Ruta Bagas.....	2	"
Millet.....	½	bushel.
Clover, white.....	4	quarts.
Clover, red.....	8	"
Timothy.....	6	"
Orchard Grass.....	2	bushels.
Red Top.....	1 to 2	"
Blue Grass.....	2	"
Mixed Lawn Grass.....	1 to 2	"
Tobacco.....	2	ounces.

Absorbents for the Barn Yard.

Farmers should use the best absorbents for bedding for stock. We give below the number of pounds of liquid which one hundred pounds of the following air-dried substances are said to hold, without dripping.

Fibrous Peat.....	685
Moss.....	409
Pea Straw.....	356
Rye Straw.....	304
Beech Leaves.....	241
Oak Leaves.....	241
Pine Feedles.....	208
Loam.....	31
Sand.....	14

MEIKLE'S PATENT CHILLED PLOWS.



NOS. L. X., M. X., N. X., AND P. Y.
With Adjustable Cutter (or Shin)

Thos. Meikle & Co., Louisville, Ky. ✦

Thos. Meikle & Co., Louisville, Ky.

Avoirdupois Weight.

16 drachms make 1 ounce.	25 lbs. make 1 quarter.
16 ounces make 1 pound.	4 quarters make 1 cwt.
20 cwt. or 2,000 lbs. make 1 ton.	

Dry Measure.

2 pints make 1 quart.	4 pecks make 1 bushel.
8 quarts make 1 peck.	36 bushels make 1 chaldron.

Liquid Measure.

4 gills make 1 pint.	31½ gallons make 1 barrel.
2 pints make 1 quart.	2 barrels make 1 hogshead.
4 quarts make 1 gallon.	

Long Measure.

12 inches make 1 foot.	40 rods make 1 furlong.
3 feet make 1 yard.	8 furlongs make 1 mile.
5½ yards or 16½ feet 1 rod.	

Square Measure.

144 square inches make one square foot.	40 square rods make 1 rood.
9 square feet make 1 square yard.	4 roods, or 160 square rods, make 1 acre.
30½ squar. yards make one square rod.	640 acres make 1 square mile or section.

Cubic Measure.

1,728 cubic inches make 1 cubic foot.	27 cubic feet make 1 cubic yard.
---------------------------------------	----------------------------------

Wood Measure.

16 cubic feet make 1 cord foot.	In measuring wood in the load, if the rack is wider at top than at the bottom, measure the width half way up; this will give the average width.
8 cord feet, or 128 cubic feet, make 1 cord.	
24¾ cubic feet make 1 perch of stone or masonry.	

Surveyor's Measure.

7.92 inches make 1 link.	4 rods make 1 chain.
25 links make 1 rod.	80 chains make 1 mile.

Surveyors' Square Measure.

625 square links make 1 pole.	640 acres make 1 square mile.
16 poles make 1 square chain.	36 square miles make 1 town-ship.
10 square chains make 1 acre.	

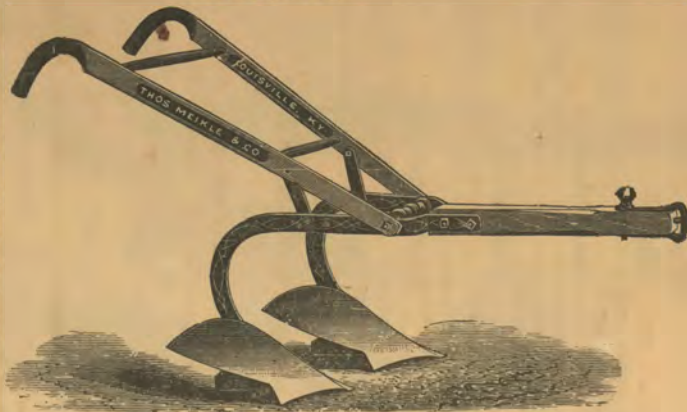
Miscellaneous Table.

12 units or things.....	1 dozen.
12 dozen	1 gross.
20 things.....	1 score.
196 pounds.....	1 barrel flour.
200 pounds.....	1 barrel of pork.
56 pounds	1 firkin of butter.
24 sheets of paper.....	1 quire.
20 quires.....	1 ream.

MEIKLE'S WOOD BEAM DOUBLE TURNING PLOW.

Price, \$8.00.

This Plow is used for hilling corn, plowing potatoes, etc. It does the work of a cultivator, and with the addition of the shovels, will cultivate the plant at all stages of its growth.



The Shovels and Calf Tongues for our Double Shovel Plows will fit this Plow.

Thos. Meikle & Co., Louisville, Ky.

THE BEST INSECTICIDE FOR FRUIT TREES.

Kerosene Emulsion.

Professor Riley's receipt is as follows: Kerosene, two gallons; common soap, or whale-oil soap, one-half pound; water, one gallon. Heat the solution of soap and add it boiling hot to the kerosene. Churn the mixture by means of a force pump and spray nozzle for five or ten minutes. The emulsion, if perfect, forms a cream, which thickens on cooling, and should adhere without oiliness to the surface of glass. Dilute before using one part of emulsion with nine parts of cold water.

"The kerosene and soap mixture, especially when the latter is warmed, forms upon very moderate agitation an apparent union; but the mixture is not stable, and separates on standing, or when cooled or diluted by the addition of water. A proper emulsion of kerosene is obtained only upon violent agitation. It is formed, not gradually, but suddenly; in short, to use a familiar phrase, it comes like butter. The time required in churning depends somewhat upon the violence of the agitation but still more on the temperature, which, however, need not be much above blood heat. It resembles a rich cream."

Analysis of Cotton Seed Meal, giving Three Valuable Constituents and Water.

Water.....	6.8
Nitrogen	6.3
Potash.....	2.0
Phosphoric Acid	3.2

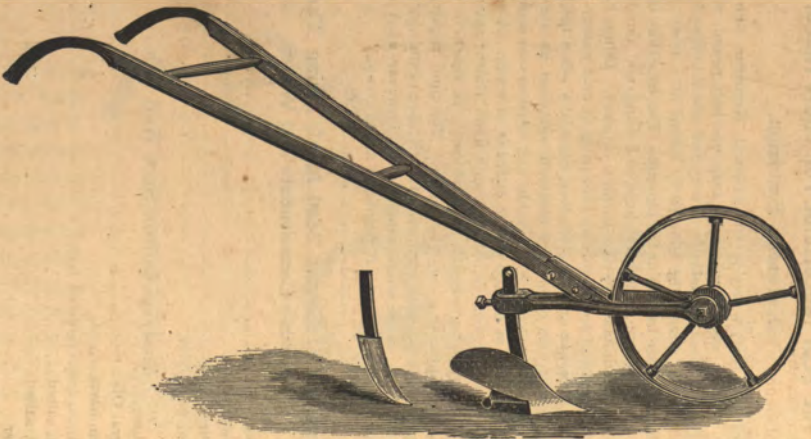
Analysis Cotton Seed Hull Ash.

Water.....	18.0
Silica and insoluble.....	14.3
Alumina and Oxide of Iron.....	1.5
Lime	8.1
Magnesia.....	4.2
Potash.....	19.7
Soda	7.8
Phosphoric Acid	9.2

Different samples of both meal and ash vary in combination. The above are approximate averages.

Thos. Meikle & Co., Louisville, Ky. 

MEIKLE'S GARDEN PLOW.



Price, \$4.00.

A splendid tool for working in the garden.
Can be worked up close to the smallest plants.

Thos. Meikle & Co., Louisville, Ky.↵

Analysis of Farm Yard Manure.

Stable manure is a very variable thing, dependent on the kind of animal which produces it, its age, its food, etc. A fair sample of farm yard manure, consisting of a mixture from horse and cow stalls, with the usual bedding of straw or leaves, contains about the following in 1,000 pounds:

Water.....	661.7 pounds.
Organic matter.....	282.4 "
Ash	55.9½ "

In more detail as follows:

Nitrogen	6.43 pounds.
Phosphoric Acid	3.25 "
Potash	6.50 "
Lime	11.90 "
Magnesia.....	1.54 "
Soda.....	0.72 "
Chloride Sodium	0.30 "
Sulphuric Acid	0.83 "
Silica	17.66 "

The Decline in Values.

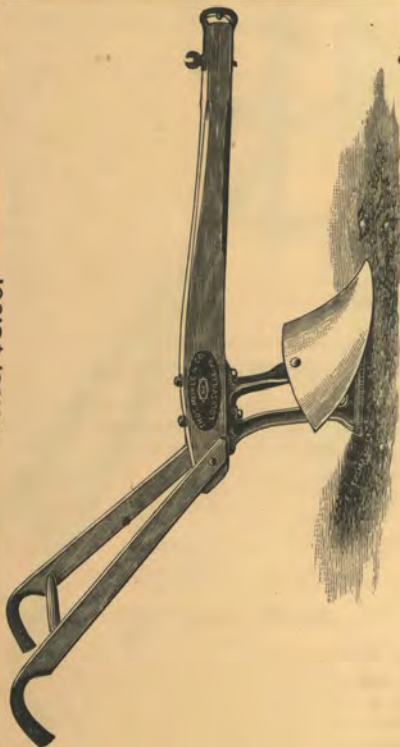
The following table from U. S. Treasury Bureau of Statistics, shows the annual average export price in currency, of the articles of domestic product named, and for the years indicated:

ARTICLES.	Year ending June 30.	
	1870.	1885.
Indian Corn	per bushel....\$0 92.5	\$0 54.0
Wheat.....	" 1 28.9	86.2
Wheat flour	per barrel.... 6 11.2	4 89.7
Cotton.....	per pound.... 23.5	10.6
Leather.....	" 28.5	19.8
Mineral Oils, refined.....	per gallon.... 30.5	08.7
Bacon, hams.....	per pound.... 15.7	09.7
Lard	" 16.6	07.9
Pork, salted	" 13.3	06.3
Beef, salted	" 07.3	07.5
Butter	" 29.3	16.8
Cheese	" 15.5	09.3
Eggs.....	per dozen 39.6	21.5
Starch.....	per pound.... 08.2	04.0
Sugar, refined.....	" 12.6	06.4
Tobacco, leaf.....	" 11.3	09.9

Thos. Meikle & Co., Louisville, Ky. ↗

MEIKLE'S COTTON SWEEP.

Price, \$3.00.



A first-class Cotton Sweep, with polished blade of any size desired.

COMPARATIVE VALUE OF GOOD HAY AS STOCK FOOD.

100 Pounds of Hay are Equal to

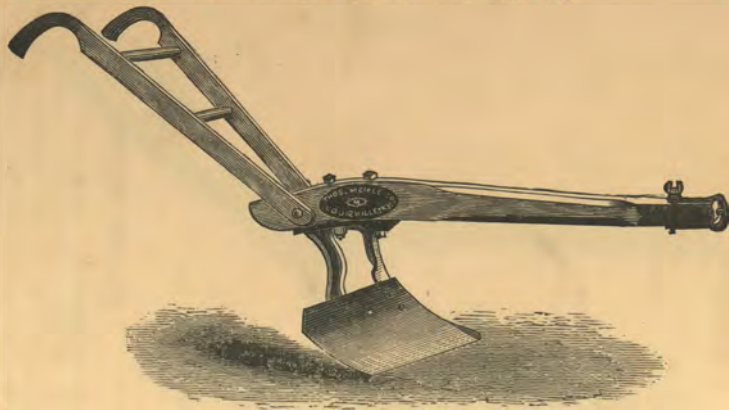
	POUNDS.
Mixed peas and beans.....	45
Wheat.....	46
Rye.....	54
Corn.....	57
Oats.....	59
Linseed.....	59
Buckwheat.....	64
Acorns.....	68
Hay.....	100
Wheat bran.....	105
Pea straw.....	153
Oat straw.....	160
Wheat, pea, and oat chaff.....	167
Potatoes.....	175
Mixed rye and barley chaff.....	179
Barley straw.....	180
Buckwheat straw.....	200
Green (soft) corn.....	275
Carrots.....	300
Mangels.....	339
Wheat straw.....	360
Green clover.....	400
Dried corn stalks.....	400
Rye straw.....	442

MILLIONS IN EGGS.

Says Edward Atkinson, the great authority, "The value of hen's eggs consumed, at one egg for every two days to each adult, at twelve cents a dozen, is over \$90,000,000 a year, or double the value of the product of silver—50 per cent. more than the value of domestic wool—25 per cent. more than the value of pig iron at the furnaces.

"The annual value of poultry and eggs sold is more than the annual value of silver, wool, and pig iron combined."

MEIKLE'S COTTON SCRAPER.



A well made cotton scraper. Popular over all the South.

Jos. Meikle & Co., Louisville, Ky.

VALUE OF AN AVERAGE CROP OF COW PEAS.

Considered as Fertilizer, simply.

The average cash cost to the Southern farmer, of the elements of commercial fertilizer, is about as follows:

Phosphoric acid	12½ cents per pound.
Nitrogen	20 " "
Potash	7 " "

Professor Myers, of the A. and M. College, of Mississippi, has analyzed the common cow pea with the following results:

Ash	3.18 per cent.
Phosphoric acid	2.98 " "
Potash	1.02 " "
Commercial value, per ton	\$16.46.

The composition of the green vines and tops is as follows:

Water	72.81 per cent.
Ash	2.00 " "
Nitrogen	0.29 " "
Potash	0.20 " "
Phosphoric acid	0.18 " "
Value per ton	\$2.01.

We can now calculate the value of an average crop of cow peas, say fifteen bushels per acre, and four tons of green vines, a very moderate estimate:

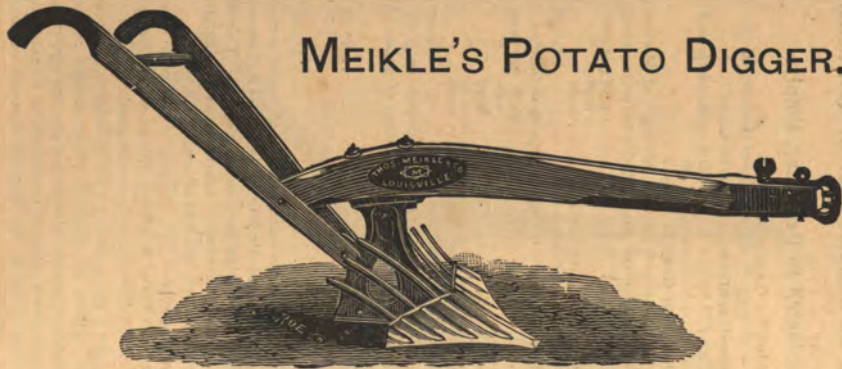
15 bushels (at 63 pounds), worth	\$7.88
4 tons of green vines, "	8.04

Total

The farmer, therefore, who raises and turns under a crop of cow peas, does what is equivalent to applying \$16 dollars worth per acre of the best commercial fertilizer to his land. The value of the roots (of which no account is taken in above calculation) may be taken to fully repay the cost of seed and labor.

It is interesting to compare this analysis of the value of cow peas upon poor, unfertilized Southern upland with a Northern estimate of the value of the roots alone of a good crop of clover. The analysis of clover roots, made by Prof. Roberts, of Cornell, shows the roots to give, of nitrogen 100.06 pounds per acre, worth, at 15 cents per pound, \$16.44; potash, 27.74 pounds, at 4 cents, \$1.10; phosphoric acid, 21.52 pounds, at 6 cents, \$1.29, making a total cash value of the roots on one acre of clover, taken in August, \$18.83.

MEIKLE'S POTATO DIGGER.



We make this Digger with both steel and cast points. It will be found a reliable Digger, in both sweet and Irish potatoes.

Thos. Meikle & Co., Louisville, Ky. 

Thos. Meikle & Co., Louisville, Ky.↔

DAILY RATIONS FOR 1,000 Lbs. LIVE WEIGHT.

Maintenance, Fodder for Full Grown, Labor-Free, Oxen.

Lbs. No. 1.	Lbs. No. 2.	Lbs. No. 3.
6 Med. mead'w hay	5 Clov. hay, best.	6 Poor timothy.
12 Oat straw.	18½ Wheat straw.	17 Corn stalks.
2 Wheat bran.	½ Linseed cake.	4 Corn meal.

Fodder for Oxen at Moderate Work.

Lbs. No. 4.	Lbs. No. 5.	Lbs. No. 6.
20 Good mead'w hay	20 Med. timothy.	12 Good mead'w hay
6½ Corn meal.	2 Coarse bran.	13 Oat straw.
	4 Corn meal.	3 Linseed cake.

Fodder for Oxen at Severe Work.

Lbs. No. 7.	Lbs. No. 8.	Lbs. No. 9.
20 Best mead'w hay.	17 Clover, good.	25 Med. mead. hay.
10 Corn Meal.	3 Wheat bran.	3 Wheat bran.
	10 Corn meal.	3 Linseed cake.

Winter Fodder for Milch Cows.

Lbs. No. 10.	Lbs. No. 11.	Lbs. No. 12.
20 Best mead'w hay.	20 Good clover.	17 Best mead. hay.
5 Wheat bran.	20 Beet pulp.	16 Corn stalks.
3 Palm nut meal.	2 Cotton seed meal.	3 Wheat bran.
		2 Cotton seed meal.
Lbs. No. 13.	Lbs. No. 14.	Lbs. No. 15.
10 Clover hay, best.	20 Hungarian hay.	20 Clover hay, best.
15 Poor timothy.	20 Mangolds.	2½ Wheat bran.
20 Turnips.	3 Wheat bran.	50 Turnips.
3½ Linseed cake.	2 Linseed cake.	

Fodder for Growing Cattle, one to two years old.

Lbs. No. 16.	Lbs. No. 17.	Lbs. No. 18.
15 Med. mead. hay.	20 Oat straw.	20 Med. mead. hay.
18 Rye straw.	30 Turnips.	20 Cornstalks.
2 Cotton seed meal.	5 Wheat bran.	1¾ Meat scrap.
	2 Cotton seed meal.	

Fodder for Fattening Cattle.

Lbs. No. 19.	Lbs. No. 20.	Lbs. No. 21.
22 Clover hay, best.	20 Med. mead. hay.	20 Good mead. hay.
8 Corn meal.	10 Oats straw.	100 Pumpkins.
	30 Mangolds.	3½ Cott'n s'd meal.
	3½ Cott'n s'd meal.	
Lbs. No. 22.	Lbs. No. 23.	Lbs. No. 24.
20 Best mead'w hay.	22 Best mead'w hay.	15 Clover hay, best.
30 Sugar beet pulp.	50 Turnips.	10 Barley straw.
2 Linseed cake.	5 Corn meal.	40 Mangolds.
		3 Linseed cake.

Fodder for Sheep, producing wool.

Lbs. No. 25.	Lbs. No. 26.	Lbs. No. 27.
15 Clover hay, good.	10 Medium hay.	20 Pea straw.
10 Poor hay.	15 Bean straw.	10 Potatoes.
3 Oats.	4 Corn.	2 Cott'n seed meal.
Lbs. No. 28.	Lbs. No. 29.	Lbs. No. 30.
20 Oat straw.	10 Best Clover.	20 Poor mead. hay.
30 Mangolds.	10 Barley straw.	6 Clover hay, best.
1½ dried flesh.	1½ Fish scrap.	4 Corn.

MEIKLE'S NEW GROUND PLOW—With Knife Coulter.

Price, one-horse, \$6.00.

Price, two-horse, 7.00.



We make these plows both one and two-horse. They are well and strongly made for rough work, and have never failed to give satisfaction.

Jos. Meikle & Co., Louisville, Ky.

How to Treat Hardened Points.

Our hardened points are made of a very high grade of soft centre steel, and tempered as hard as they will stand to do good work. In some soils we have found it very necessary that this hardness be retained, and therefore, to get the greatest amount of good from the points, we would advise that they be used as long as possible before having them re-heated and plated, as this destroys the temper. It will double or treble their durability, if, when sharpening becomes a necessity, they are ground to an edge, heating the extreme point only enough to dress it down, and in this way the scouring qualities will be preserved. We warrant all our points to be hard when shipped, but can not hold ourselves responsible for their condition after being heated by blacksmiths, who, unaware of the nature of such high grade steel, treat them like a common steel point, and no exchange or allowance will be made in such cases.

If blacksmiths on the plantation, and elsewhere, will follow these rules, the best results will be obtained, and the points give most excellent wear.

TO SHARPEN.

Heat the nose of the point to a low cherry red (not too hot), and hammer it as sharp as desired. If you get the heat too high, wait before hammering until it cools to a cherry red. Heat at one time only as much as you can hammer; the body of the point should not be heated; let it remain cool and strong, so as not to disturb the fitting edges.

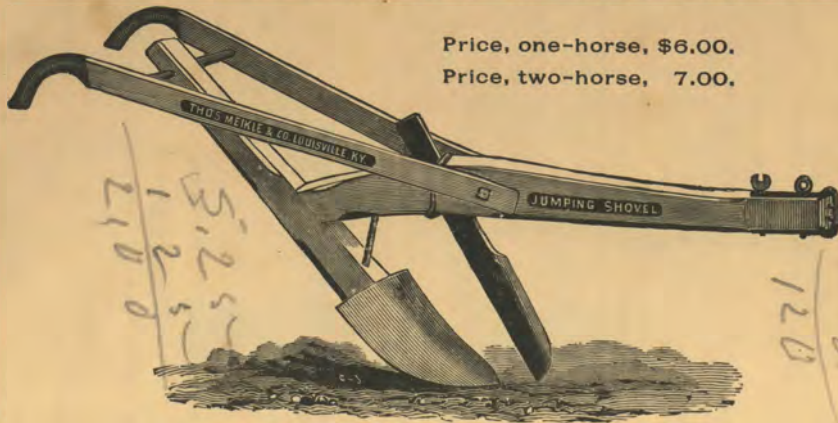
TO TEMPER.

Have a good sized fire, for in a small one it is not possible to have an even heat on the cutting edge of the point; at the same time get the nose and the cutting edge all to a low cherry red, then (holding bottom side up) let it into the water just far enough to partially cool these parts, then take it out and watch for the temper running down on nose and cutting edge until a good straw color or purple appears; then cool off entirely.

MEIKLE'S JUMPING SHOVEL PLOW—With Knife Coulter.

Price, one-horse, \$6.00.

Price, two-horse, 7.00.



A popular implement in many parts of the country. Well and strongly made. Can furnish both shovels and bull tongues, 14 inches long, for these plows when desired.

Thos. Meikle & Co., Louisville, Ky.

1889



Thos. Meikle & Co., Louisville, Ky. 

George Haley to Board

Oct the 12th 1889



Thos. Meikle & Co., Louisville, Ky. ←

Franklin apt \$18.90
23.50 185
20.75 20.75
2.75

Bilbo Halling \$5.45
1.70
7.15

Hilton apt \$35.75



Thos. Meikle & Co., Louisville, Ky. $\leftrightarrow$

Miltons

$\frac{1}{2}$ 1316

$\frac{1}{2}$ 35.75

658

3040

$\frac{1}{2}$ 3.35

32.90

100

250
3040

J. N. Boaz & Hogs

75 $\frac{1}{2}$

104

100

175

115

112 $\frac{1}{2}$

198

199

~~198~~

128 $\frac{1}{2}$

150 $\frac{1}{2}$

184

7494

James

175

128

301

Bills

80 $\frac{1}{2}$

190

114

93

108

88

481

Thos. Meikle & Co., Louisville, Ky.

~~XXXXXX~~

927

~~XX~~

13.75

Mit's good

9.27

Bills Black

$$\begin{array}{r} 4.00 \\ \hline 13.27 \end{array}$$

15, 27

Quartz totl 762

Franklin Good

5.62

Aug 2

587

9,49

Bills list

1565

170

87-45

22.75

178.75

CALENDAR 1888.

☀	S	M	T	W	T	F	S	☀	S	M	T	W	T	F	S
Jan'y	1	2	3	4	5	6	7	July	1	2	3	4	5	6	7
	8	9	10	11	12	13	14		8	9	10	11	12	13	14
	15	16	17	18	19	20	21		15	16	17	18	19	20	21
	22	23	24	25	26	27	28		22	23	24	25	26	27	28
	29	30	31	...	...	...	...		29	30	31	...	...	...	...
	...	...	...	...	...	...	...		...	...	...	...	...	...	...
Febr'y	...	...	...	1	2	3	4	August	...	...	...	1	2	3	4
	5	6	7	8	9	10	11		5	6	7	8	9	10	11
	12	13	14	15	16	17	18		12	13	14	15	16	17	18
	19	20	21	22	23	24	25		19	20	21	22	23	24	25
	26	27	28	29	...	...	...		26	27	28	29	30	31	...
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March	...	...	...	...	1	2	3	Sept'r	...	...	...	...	...	...	1
	4	5	6	7	8	9	10		2	3	4	5	6	7	8
	11	12	13	14	15	16	17		9	10	11	12	13	14	15
	18	19	20	21	22	23	24		16	17	18	19	20	21	22
	25	26	27	28	29	30	31		23	24	25	26	27	28	29
	...	...	...	...	...	...	...		30	...	...	...	...	...	...
April	1	2	3	4	5	6	7	October	...	1	2	3	4	5	6
	8	9	10	11	12	13	14		7	8	9	10	11	12	13
	15	16	17	18	19	20	21		14	15	16	17	18	19	20
	22	23	24	25	26	27	28		21	22	23	24	25	26	27
	29	30	...	...	...	...	...		28	29	30	31	...	...	...
	...	...	...	...	...	...	...		...	...	...	...	...	...	...
May	...	...	1	2	3	4	5	Novem.	...	...	...	...	1	2	3
	6	7	8	9	10	11	12		4	5	6	7	8	9	10
	13	14	15	16	17	18	19		11	12	13	14	15	16	17
	20	21	22	23	24	25	26		18	19	20	21	22	23	24
	27	28	29	30	31	...	...		25	26	27	28	29	30	...
	...	...	...	...	...	...	...		...	...	...	...	...	...	...
June	...	...	...	...	...	1	2	Decem.	...	...	...	...	...	...	1
	3	4	5	6	7	8	9		2	3	4	5	6	7	8
	10	11	12	13	14	15	16		9	10	11	12	13	14	15
	17	18	19	20	21	22	23		16	17	18	19	20	21	22
	24	25	26	27	28	29	30		23	24	25	26	27	28	29
	...	...	...	...	...	...	...		30	31	...	...	...	...	...