

FARMER'S POCKET LEDGER

(74th Annual Edition)

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of*

IRA L. SHERMAN
South Otselic, N. Y.

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THE FARMER'S POCKET LEDGER



THIS miniature ledger is presented in the hope that it will be an aid in keeping a daily record of your farming operations. Pages 21 to 52 are especially made up for this purpose. In addition, there are several pages which contain special information of value and oftentimes of immediate need. This information is found on pages 2, 6, 10, 13, 17, 53, 58, 61, 65, and 69. The remainder of the pages briefly describe some of the more important implements in the John Deere full line.

If you are in need of any farm machinery, call on the John Deere dealer whose name appears on the cover and "see before you buy". John Deere farm implements have always been famous for quality, and they were never better known nor more widely used than they are today.

John Deere Branches and Distributing Houses in All Important Trading Centers. John Deere Dealers Everywhere.

Useful Information on the Farm

U. S. GOVERNMENT LAND MEASURE

A township—36 sections, each a mile square.

A section—640 acres.

A quarter section—Half a mile square, 160 acres.

An eighth section, half a mile long, north and south, and a quarter of a mile wide—80 acres.

A sixteenth section, a quarter of a mile square—40 acres.

The sections are all numbered 1 to 36, commencing at the northeast corner.

The sections are divided into quarters, which are named by the cardinal points. The quarters are divided in the same way. The description of a forty-acre lot would read: The south half of the west half of the southwest quarter of section 1 in township 24, north of range 7 west, or, as the case might be, and sometimes will fall short and sometimes overrun the number of acres it is supposed to contain.

NOTE—In most of the Western states, where all of the land was laid out by the Government, all titles, except in city lots, are passed by description, as under the Government survey, and there a square of 6 miles, or 36 square miles, is one township.

MISCELLANEOUS INFORMATION

One-inch of rainfall means 100 tons of water on every acre.

To find the capacity of cylindrical tanks, square the diameter in inches, multiply by the height in inches, and this product by the decimal .34. Point off four decimals and you have the capacity in gallons.

To find the contents of a pile of cordwood, multiply the length, width and height together and divide the product by 128. This will give you the number of cords.

A gallon of water equals 231 cubic inches and weighs 8-1/3 pounds. A cubic foot of water equals 7½ gallons and weighs 62½ pounds.

Water expands 1/11 of its bulk in freezing.

Doubling the diameter of a pipe or cylindrical vessel increases its capacity four times.

Double-riveting is from 16 to 20 per cent stronger than single-riveting.

To find the circumference of a circle, multiply the diameter by 3.1416

To find the diameter of a circle, multiply the circumference by .31831

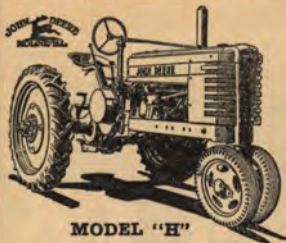
To find the area of a circle, multiply the square of the diameter by .7854

To find the sides of an equal square, multiply the diameter by .8862

AMOUNT OF PAINT REQUIRED FOR A GIVEN SURFACE

It is impossible to give a rule that will apply in all cases, as the amount varies with the kind and thickness of the paint, the kind of wood or other material to which it is applied, the age of the surface, etc. The following is an approximate rule: Divide the number of square feet of surface by 200. The result will be the number of gallons of liquid paint required to give two coats; or divide by 18 and the result will be the number of pounds of pure ground white lead required to give three coats.

JOHN DEERE GENERAL PURPOSE TRACTORS



MODEL "H"

On every farm operation, you'll save money, time, and labor with a John Deere Model "H", "A", "B", or "G" Tractor.

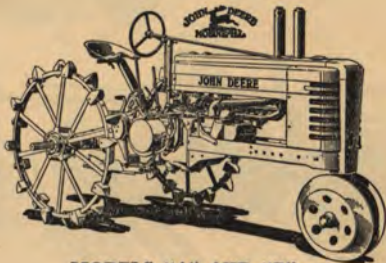
Each of these tractors brings you the time-tested, field-proved advantages for which John Deere Tractors are famous—a simple, sturdy, two-cylinder engine, ease of adjustment and operation, ability to successfully burn the low-cost fuels, and longer life. Each model has adjustable rear wheel tread, straight line of draft when plowing, unexcelled vision for cultivating, remarkable ease

of steering, ample platform room to stand up and relax while working, and a speed for every job. You can choose the size which will meet your power requirements with the greatest economy.

The smaller, lower-priced Model "H" is a two-row cultivating tractor that handles every job on the small farm and the lighter jobs on the large farm with outstanding economy. Pulls two 12-inch plows or a two-bottom bedder in favorable conditions.

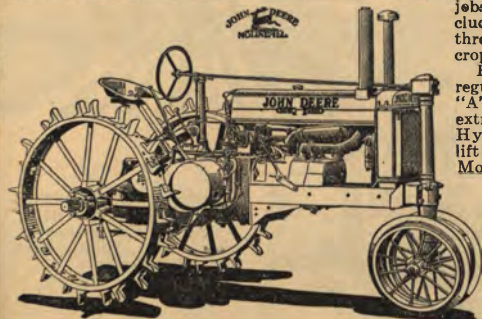
The Model "B" pulls two 14-inch plows or a two-bottom bedder under average conditions, a 2-row cultivator, and, within its power range, furnishes economical drawbar, belt, and power take-off power.

The Model "A" is designed for heavy-duty continuous two-plow work. It pulls two 16-inch plows, handles a two-bottom bedder practically anywhere and a four-bottom bedder in many soils, cultivates two or four rows, operates a 22-inch thresher, and develops an ample surplus of power for the peak loads.



MODELS "A" AND "B"

The Model "G" is designed for the larger farms. It pulls three 14-inch plows or a four-bottom bedder under average conditions, and handles belt jobs up to and including a 28-inch thresher in heavy crops.



MODEL "G"

Power shaft is regular on Models "A", "B", and "G"; extra on Model "H". Hydraulic power lift available for Models "A", "B", and "G". Complete line of integral, drawn, belt- and power-driven machines available for all crops.

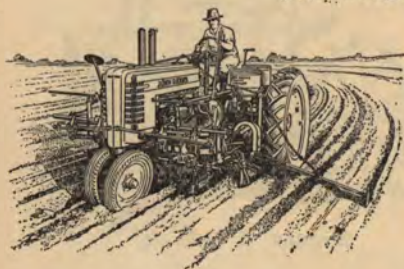
INTEGRAL POWER-LIFT EQUIPMENT



Left: John Deere Power-Lift Bedders—1-, 2-, 3-, and 4-bottom. Famous for strength, ease of handling, quality of work.



Right: John Deere Two-Row Middlebreaker for listing, relisting, bedding, middlebreaking, sweeping beds, and reworking middles.



Left: John Deere Cotton and Corn Planter and Equipment. Handles many crops. Fits Models "A", "B", "G" and "H" Tractors. Can be used alone or in combination with cultivator to bed, sweep, or furrow at the same time it plants and fertilizes. For cultivating, substitute shovels. Variety of planting equipment available.

Right: Four-row planting attachment for John Deere Bedder. Also used as two-row,



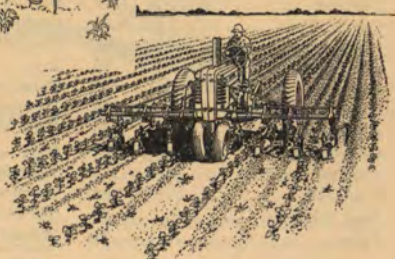
Left: John Deere Two-Row Lister. For bedding, listing, middlebreaking. Plants corn, cotton, kafir, and other seeds.

INTEGRAL POWER LIFT EQUIPMENT



Left: John Deere Two-Row Cultivators. Power lift or easy hand lift. For rows spaced 28 to 48 inches apart.

Right: John Deere Four-Row Cultivators. Hydraulic power lift. Simple, strong, with big daily capacity for lowest costs.



Left: Special John Deere Six-Row Cultivators for beets, beans, lettuce, and other narrow-row crops.

Right: John Deere Two-Row Cultivators for listed crops. Hydraulic power lift.



Left: Integral two-row cultivator and hoe for potato cultivation. Available for both the Models "A" and "B" tractors.

NUMBER OF POUNDS TO THE BUSHEL*

Alfalfa.....	60	Flax Seed.....	56
Apples (Green).....	48	Grapes.....	40
Apples (Dried).....	24	Hair (Plastering).....	8
Barley.....	48	Hemp Seed.....	44
Beans (White).....	60	Kafir Corn.....	56
Beans (Castor).....	46	Lime.....	80
Beans (Soy).....	60	Malt.....	38
Bran.....	20	Millet Seed, Common.....	50
Buckwheat.....	48	Millet, Hungarian.....	48
Blue-Grass Seed.....	14	Oats.....	32
Cherries.....	40	Onions.....	57
Clover Seed.....	60	Orchard Grass.....	14
Clover (Sweet).....	60	Peaches (Dried).....	33
Corn (Shelled).....	56	Peas.....	60
Corn (In Ear).....	70	Potatoes.....	60
Corn (Pop) (In Ear).....	70	Potatoes (Sweet).....	50
Corn (Kafir).....	56	Red Top Seed.....	14
Corn Meal.....	50	Rye.....	56
Cranberries.....	32	Timothy Seed.....	45
Coal, Hard.....	80	Tomatoes.....	50
Coal, Char.....	20	Turnips.....	55
Coke.....	40	Wheat.....	60

*Approximate. Legal weights vary in different states.

CISTERN CAPACITY

A cistern ten feet in diameter and nine feet deep will hold 168 barrels.

A cistern five feet in diameter will hold five and two-thirds barrels for every foot in depth.

A cistern six feet in diameter will hold six and three-fourths barrels for every foot in depth.

A cistern eight feet in diameter will hold nearly twelve barrels for every foot in depth.

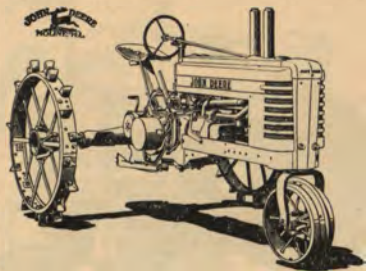
A cistern nine feet in diameter will hold fifteen and one-half barrels for every foot in depth.

A cistern ten feet in diameter will hold eighteen and three-eighths barrels for every foot in depth.

TIME AT WHICH MONEY DOUBLES AT INTEREST

Rate Per Cent	Simple Interest	Compound Interest
10	10 years.....	7 years, 100 days
9	11 years, 40 days.....	8 years, 16 days
8	12½ years.....	9 years, 2 days
7	14 years, 104 days.....	10 years, 89 days
6	16 years, 8 months.....	11 years, 327 days
5	20 years.....	15 years, 75 days
4½	22 years, 81 days.....	15 years, 273 days
4	25 years.....	17 years, 246 days
3½	28 years, 208 days.....	20 years, 54 days
3	33 years, 4 months.....	23 years, 164 days
2½	40 years.....	28 years, 26 days
2	50 years.....	35 years, 1 day

JOHN DEERE MODELS "AN" AND "BN" WITH SINGLE FRONT WHEELS



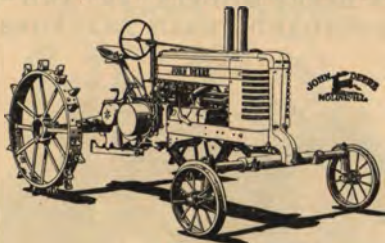
Burn Money-Saving Fuels

Here are the tractors for the grower of crops in narrow rows such as carrots, lettuce, beets, onions, and other crops. The single front wheel easily gets between the rows even where the distance between rows is as narrow as 16 inches, without damage to growing plants.

Also built with extra high clearance, known as Models "ANH" and "BNH".

In speed, economy, capacity, and dependability—in all their features—these tractors are the famous John Deere Models "A" and "B".

JOHN DEERE MODELS "AW" AND "BW" WITH ADJUSTABLE FRONT AXLE



Burn Money-Saving Fuels

In planting and cultivating widely variable row crops, in planting and cultivating bedded crops where it is desired to straddle the beds without splitting the center, in extremely soft, mucky soils, you'll find no tractors better suited to your needs than these two new John Deere Tractors with front tread adjustable to fit the job.

The wide distribution of weight over four points of ground contact

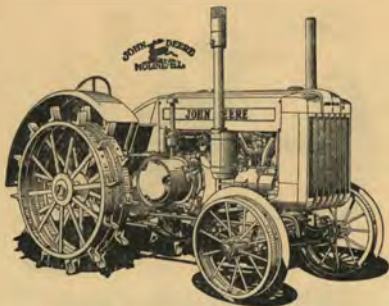
makes for more successful operation in the lighter soils—for safer handling across water furrows or dikes.

Known as "AWH" and "BWH" when furnished with extra high clearance. Model "BWH" is also built with 42-inch tread, known as "BWH-40".

In speed, economy, capacity, effortless vision—in all mechanical features—these tractors are the famous John Deere Models "A" and "B".

JOHN DEERE MODEL "D" TRACTOR

For the Heavier Farm Jobs



Burns Money-Saving Fuels

In the John Deere Model "D" Tractor you get simple, long-time, low-cost power. The Model "D" pulls 4 bottoms in many soils, 3 bottoms under practically all conditions, and supplies ample belt power to operate a 28-inch thresher. Forward speeds of 2-1/4, 3-1/4, and

4 m. p. h., and reverse of 1-1/2 m. p. h. give this great tractor the adaptability and work output you want. Engine is full-pressure lubricated. Entire tractor is readily accessible for inspection, adjustment, and upkeep. Burns low-cost fuels successfully, efficiently, and safely.

JOHN DEERE MODELS "AR" AND "BR"

STANDARD TREAD TRACTORS

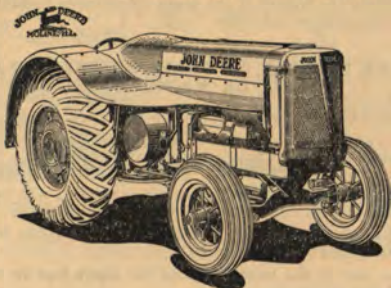


Burn Money-Saving Fuels

The Models "AR" and "BR" Tractors pull two 16-inch, and two 14-inch bottoms, respectively, in most soils. They have the same working capacity, power, speed, simplicity, dependability, economy, and long life of the John Deere Models "A" and "B", but differ in

that they are regular four-wheel, standard tread tractors. These tractors have four speeds forward. Sturdily built for long service. Easy steering, ample platform room, and convenient controls are other features.

JOHN DEERE MODEL "AO" GROVE AND ORCHARD TRACTOR

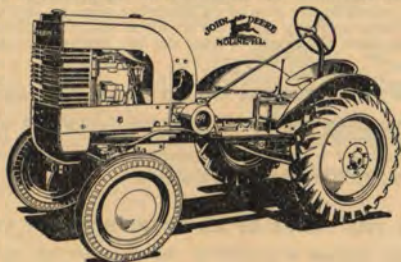


Burns Money-Saving Fuels

Styled to prevent damage to low-trimmed trees, blossoms, and fruit, the John Deere Model "AO" Tractor is specially designed for the owner of orchards or groves. Entire tractor, including wheel and seat, is built low. Easy steering, and independently operated differential brakes assure short turns around trees or at headlands.

The "AO" pulls two 16-inch plows in average soils. The new, more powerful Model "BO" pulls two 14-inch plows under normal conditions. Although not quite so completely styled as the "AO", the Model "BO" is carefully shielded and guarded at all points for fast, efficient work. Four speeds forward adapt both tractors to a wide variety of uses.

JOHN DEERE MODEL "L" TRACTOR —FOR SMALL ACREAGES



On hundreds of small specialized farms and truck farms throughout the country, the short-turning, easy-handling Model "L" is proving its ability to get farm work done faster, and at much lower costs. It handles the work of a team of horses.

Powerful for its size, the Model "L" Tractor brings you all of the advantages of John Deere sim-

licity, economy, accessibility, and long life. Its simple, 2-cylinder engine makes possible its extremely low costs for fuel and maintenance and its easy accessibility of parts. It weighs less than 1600 pounds, is very compact, quick-moving, flexible, and short-turning. Thermosiphon cooling, individual foot brakes, and adjustable rear tread are standard features. There is a full line of integral equipment.

TO FIND THE CONTENTS OF BARRELS AND CASKS IN GALLONS

Rule—Multiply the square of the mean diameter in inches by the depth in inches and the product by .0034.

TO FIND THE BUSHELS OF GRAIN OR SHELLED CORN IN A BIN OR WAGON BOX

Multiply the number of cubic feet by .8.

TO MEASURE CORN IN CRIBS

Ear corn of good quality, measured when settled, will hold out at $2\frac{1}{2}$ cubic feet to the bushel. Inferior quality, $2\frac{3}{4}$ to $2\frac{1}{2}$ cubic feet.

Rule—At $2\frac{3}{4}$ cubic feet to the bushel, divide the cubic feet in crib by $2\frac{3}{4}$, or multiply by 8 and divide by 19.

At $2\frac{1}{2}$ cubic feet to the bushel, divide the cubic feet in crib by $2\frac{1}{2}$, or multiply by 2 and divide by 5.

TO FIND NUMBER OF BOARD FEET IN A LOG

Subtract 4 inches from the diameter and square the remainder. The result will be the number of board feet in a 16-foot log. Add $\frac{1}{8}$ for 18-foot logs, $\frac{1}{4}$ for 20-foot logs. Subtract $\frac{1}{8}$ for 14-foot logs, $\frac{1}{4}$ for 12-foot logs.

TO FIND THE NUMBER OF TONS OF HAY IN A MOW

Multiply the length by the width by the height (all in feet) and divide by 400 to 500, depending on the kind of hay and how long it has been in the mow.

TO FIND THE NUMBER OF TONS OF HAY IN A STACK

Multiply the overthrow (the distance from the ground on one side over the top of the stack to the ground on the other side) by the length, by the width (all in feet); multiply by 3; divide by 10 and then divide by 500 to 600, depending upon the length of time the hay has been in the stack.

TO FIND THE INTEREST ON ANY SUM FOR ANY TIME

Point off two places from the right of the principal and multiply it by the number of months. One-half the result is the interest at 6 per cent. Deduct one-sixth for 5 per cent; one-third for 4 per cent; add one-sixth for 7 per cent; one-third for 8 per cent, etc.

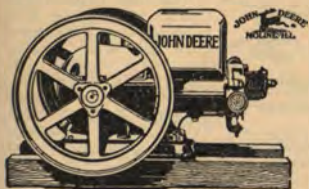
TO FIND THE VALUE OF ARTICLES SOLD BY THE TON

Multiply the number of pounds by the price per ton, point off three places and divide by 2.

ACREAGE PER MILE OF VARIOUS WIDTHS

Width	Acres	Width	Acres
1 foot.....	0.121	15 feet.....	1.815
5 feet.....	0.605	16 feet.....	1.936
8 feet.....	0.968	18 feet.....	2.178
10 feet.....	1.21	20 feet.....	2.42
12 feet.....	1.452	24 feet.....	2.904
14 feet.....	1.694	25 feet.....	3.025

JOHN DEERE FARM ENGINE

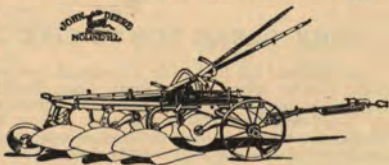


Contains the greatest improvements in engine-building made in years. Important working parts fully enclosed in dust-proof case; oiled automatically. Oil reservoir requires attention only when fuel supply is replenished. No gears exposed or extending shafts on which clothing can be caught. Simple in construction—easy to start. Built for long, trouble-free service. Magneto-equipped. Furnished in 1½-, 3-, and 6-H. P.,

mounted on skids or on portable truck.

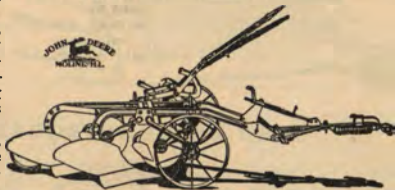
JOHN DEERE TRACTOR PLOWS

For larger tractors, the John Deere Nos. 5 and 6 are leaders. Equipped with John Deere steel or Syracuse deep-chilled bottoms, famous for good work and long wear. Beams are heavy and unusually strong with rigid frame connections, and heavy truss bar at rear. Cushion-spring-release hitch furnished. Sizes: 3-, 4-, and 5-bottom with 12-, 14-, or 16-inch bottoms.



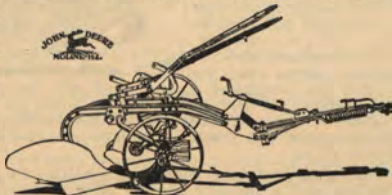
JOHN DEERE NO. 5 TRACTOR PLOW

For 2-plow tractors John Deere builds the No. 52 and the No. 4B. The No. 52, a light-draft, sturdy plow, is built for all average plowing conditions. Careful heat-treating and tempering insure extreme toughness and strength in beams. Twin steel bearings, securely bolted to the beams, hold the axles to the frame to maintain alignment. Heavy-duty power lift. Built with 12-, 14-, or 16-inch John Deere bottoms.



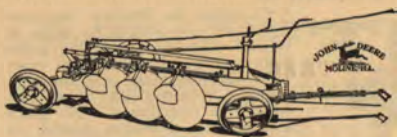
JOHN DEERE NO. 52 TRACTOR PLOW

For the heavier jobs, John Deere builds the No. 4B. The No. 4B offers greater strength—greater clearance for deeper plowing in trashy ground. 12-, 14-, and 16-inch bottoms. For smaller tractors, the John Deere No. 51 One-Bottom is available; 14-, 16-, or 18-inch bottom. The 52, 4B, and 51 are equipped with cushion-spring-release hitch.



JOHN DEERE NO. 51 TRACTOR PLOW

JOHN DEERE TRACTOR DISK PLOWS

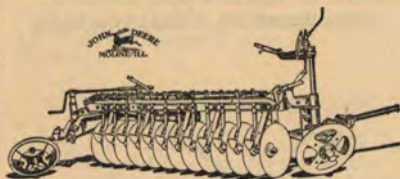


The John Deere line of tractor disk plows is a complete line, including a plow for every tractor, for every plowing job. Angle steel frame bars with disk standards bolted between, make a rigid, sturdy unit. Roller

bearing disk bearings mean lighter draft, longer life. *Heat-treated* steel disks last longer. The simple, positive, enclosed John Deere power lift, famous for its efficient operation under all conditions, raises and lowers the disks. Width of cut changed by simply angling the frame. The No. 100 Series, shown above, is built in 3-, 4-, 5-, and 6-disk sizes, each reducible by one disk. The John Deere No. 92 and No. 93, two- and three-disk plows of similar construction, are available for small tractors. For the heavy-duty jobs, with larger, more powerful tractors, the John Deere No. 120, No. 150, and No. 200 Series disk plows offer outstanding extra strength for complete satisfaction.

JOHN DEERE POWER-LIFT DISK TILLERS

Cost-reducers for preparing wheatland, for working fallow, destroying weeds, and for many other tillage jobs. Heavy-duty power lift, of the field-proved John Deere type, raises disks quickly for turning or transporting. Semi-floating hitch insures easy control of both tiller and tractor. Self-aligning bearings are easily oiled, strong, long-wearing, and light-draft. *Heat-treated* steel disks are correctly designed for good penetration.

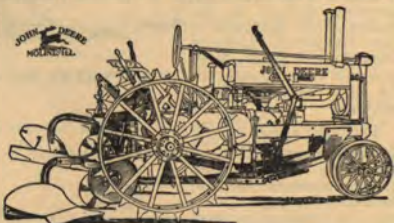


The Disk Tiller is built in a wide variety of sizes to match the power of your tractor and the work for which you want to use it. Each size except four-foot, is reducible to cut approximately 1½ feet less than full cut. Angle of gang is variable to meet conditions.

JOHN DEERE INTEGRAL PLOWS

With a John Deere integral plow for your John Deere General Purpose Tractor, you can do a complete job of plowing—utilize every available bit of ground for profitable production.

The simplicity and ease of operation will surprise you. Drive into the field, trip the release, and the bottom drops to the ground and penetrates to the depth set, centering itself automatically. At the end of the field, simply trip the power lift and let the tractor engine raise the bottom. When turning or transporting, the plow is carried on the tractor—plow and tractor combined are just as easily handled as the tractor alone.



John Deere two-way plows are available for the "A", "B", and "G" Tractors and a one-way integral plow, power-lifted, is available for the Model "B"; hand-lifted integral plows are available for the Models "L" and "H" Tractors.

COMMON MEASURES

Long Measure

12 Inches.....	1 Foot
3 Feet.....	1 Yard
5½ Yards.....	1 Rod
320 Rods.....	1 Mile
1 Mile.....	5280 Feet

The following are also used:

1 Size.....	1-3 Inch
(Used by shoemaker.)	
1 Hand.....	4 Inches
(Used in measuring the height of horses.)	
1 Fathom.....	6 Feet
(Used in measuring depths at sea.)	
1 Knot.....	1.15 Miles
(Used in measuring distances at sea.)	

Square Measure

144 Square Ins.....	1 Square Ft.
9 Square Ft.....	1 Square Yd.
30½ Square Yds.....	1 Square Rd.
160 Square Rds.....	1 Acre
640 Acres.....	1 Square M.

An acre is equal to a square whose side is 208.71 feet.

Surveyor's Square Measure

10,000 Square Links...	1 Sq. Chain
10 Square Chains...	1 Acre
10 Chains Square...	10 Acres

Surveyor's Linear Measure

7.92 Inches.....	1 Link
100 Links.....	1 Chain
80 Chains.....	1 Mile

Gunter's Chain is the unit and is 66 feet long.

Dry Measure

2 Pints.....	1 Quart
8 Quarts.....	1 Peck
4 Pecks.....	1 Bushel
1 Bushel contains 2150.42 cubic inches or approximately 1½ cubic feet.	

Liquid Measure

4 Gills.....	1 Pint
2 Pints.....	1 Quart
4 Quarts.....	1 Gallon
1 Gallon contains 231 cubic inches.	
1 Cubic Ft. equals 7½ gallons.	

Cubic Measure

1728 Cubic Inches...	1 Cubic Ft.
27 Cubic Feet.....	1 Cubic Yd.
128 Cubic Feet.....	1 Cord

CAPACITY OF CORN CRIBS. (Dry Corn.)

(Height, 10 Feet.)

Length	½	1	12	14	16	18	20	22	24	28	32	36	48	64
Width 6	13	27	320	373	427	480	533	587	640	747	853	960	1280	1707
6½	13	28	333	389	444	500	556	611	667	778	889	1000	1333	1777
6¾	14	29	347	404	462	520	578	636	693	809	924	1040	1387	1849
7	15	30	360	420	480	540	600	660	720	840	960	1080	1440	1920
7½	16	31	373	436	498	560	622	684	747	871	996	1120	1493	1991
7¾	16	32	387	451	516	580	644	709	773	902	1031	1160	1547	2062
8	17	33	400	467	533	600	667	733	800	933	1067	1200	1600	2133
8½	17	34	413	482	551	620	689	758	827	964	1102	1240	1653	2204
9	18	36	427	498	569	640	711	782	853	996	1138	1280	1707	2276
9½	19	38	453	529	604	680	756	831	907	1058	1209	1360	1813	2418
10	20	40	480	560	640	720	800	880	960	1120	1280	1440	1920	2560
	22	44	533	622	711	800	889	978	1067	1244	1422	1600	2133	2844

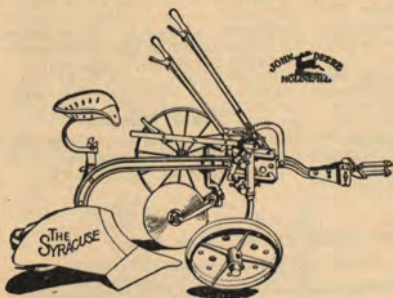
The length is found in top line, the width in left-hand column—the height being taken at 10 ft. Thus, a crib 24 ft. long, 7½ ft. wide and 10 ft. high, will hold 800 bushels of ear corn, reckoning 2½ cubic feet to hold a bushel. If not 10 ft. high, multiply by the given height and cut off right-hand figure. If above crib were only 7 ft. high, it would hold 800 x 7, equals 560 (0.) bu., etc. The same space will hold 1-4/5 times as much grain as ear corn. Thus, a crib that holds 800 bushels of ear corn will hold 800 x 1-4/5, equals 1440 bushels of grain.

JOHN DEERE NO. 4 TWO-WAY PLOW



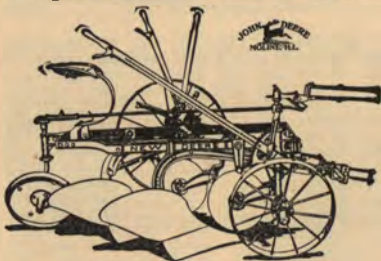
Ideal for plowing hill-sides, irregular fields, or irrigated land. Leaves no dead furrows or back ridges; plow back and forth until you reach the other side, turning all the soil one way. Special features make this the easiest plow to control you ever saw. Get on the seat and try it. Sizes: 12-, 14-, and 16-inch. Bottom equipment to meet your requirements.

JOHN DEERE-SYRACUSE NO. 210 SULKY PLOW



The 210 is the lightest-pulling plow of its type. Rolling landside rolls rear weight—keeps bottom running true and level. Syracuse *deep-chilled* or John Deere steel clean-shedding bottom. Runs level and plows at uniform depth even when turning corners. The front furrow caster wheel, controlled by a lever, governs the plow on the turns. Driver's hands are free except when releasing latch at turns. Right- or left-hand; rolling coulter and jointer can be furnished.

NEW DEERE GANG AND SULKY PLOWS



Leading plows of their type for over forty years. John Deere steel or Syracuse *deep-chilled* bottoms—a type for every soil. Quick-detachable shares. Pull light because properly distributed weight is all wheel-carried. Gang has a powerful foot lift, with auxiliary hand lift lever; sulky has foot lift. Locking device can be set so that plow floats in frame and rises automatically when plow strikes an obstruction.

JOHN DEERE-SYRACUSE HILLSIDE PLOWS



Ample throat room and close-fitting joints prevent clogging. Choice of white iron or tempered steel moldboard adapts them to a variety of soils. Two-piece truss-style beam is extra sturdy. Renewable shoe protects standard and serves as landside.

JOHN DEERE GENERAL-PURPOSE PLOW —GPN SERIES



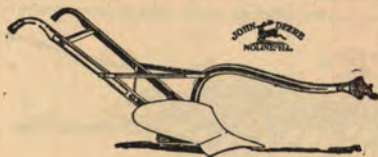
Shape of moldboard and share adapts this plow for thorough work and light-draft in clover, timothy, or blue-grass sod, or in old ground. Good also for difficult plowing in heavy, sticky soils. High-quality steel construction. Sizes: 12-, 14-, and 16-inch.

JOHN DEERE BLACK-LAND PLOW—BR SERIES



Made especially for stiff, black, waxy soil. Extra strong construction throughout. Share has long, sharp point and correct suction, insuring good penetration and steady and light running. Moldboard shaped properly for good shedding. Extra strong steel frog and high curved, double-beaded steel beam. Sizes: 7-, 8-, 9-, 10-, and 11-inch.

JOHN DEERE MIXED-LAND PLOW—B SERIES



Sheds clean, turns the furrow slices properly, and makes a good seed bed. Moldboard of hardened, soft-center steel is double-shinned to resist wear. Shares in variety to suit different soils can be furnished. High-quality material throughout. Sizes: 8-, 9-, 10-, 12-, and 14-inch.

JOHN DEERE MIDDLEBREAKER



Extra length of beam assures good penetration and steady running. Bottom shaped properly for good work in throwing up medium beds in black land and other heavy soils. Sheds clean and pulls light. Share one-third thicker than usual. Extra heavy frog. Large, adjustable steel root knife.

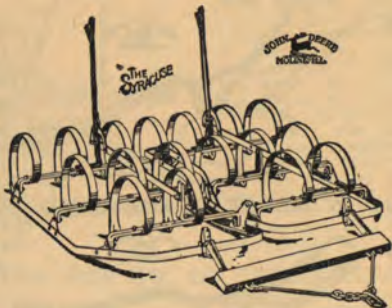
JOHN DEERE-SYRACUSE NOS. 1341B-1441B SERIES WALKING PLOWS



Built strong; bottom parts designed for sulky and gang use as well. Interchange of chilled and steel wearing parts makes these plows adaptable to any soil condition. Bottoms of correct shape for general purpose work. Good penetration; steady-running; durable; heavy malleable frog; quick-detachable share; rolled foot beam of standard John Deere type. Right- and left-hand styles.

JOHN DEERE-SYRACUSE SPRING-TOOTH HARROW AND WEED DESTROYER

Special process, heat-treated spring-steel teeth penetrate deep, thoroughly pulverizing soil and tearing out the weeds. This harrow is particularly adapted for work in sandy, gravelly or stony ground where deep cultivation is required. Trash and weeds work to center and pass out through opening between sections, preventing loading and choking at this point. Teeth are instantly adjusted by means of convenient levers to meet different soil conditions. Frames and tooth bars are made of channel and angle-bar steel. Teeth are clipped onto bars. Runners have steel protective shoes. Adjustable hitch regulates teeth at the front and rear to work at same depth regardless of size of team or length of tugs. The weed destroyer is similar in design, but with fewer teeth.



JOHN DEERE TRACTOR-CONTROLLED HARROW AND WEED DESTROYER

An entirely new harrow designed for efficient work, plus greatest operating convenience. The tractor does all the work of raising and lowering the teeth, thus enabling you to do more work per day with less effort.

John Deere *special-process* heat-treated teeth—individually tested and inspected—insure dependable, efficient field performance.

Eccentric tooth-bar construction—a feature exclusive on John Deere harrows—assures better clearance, greater working depth and, because the eccentric bars *drive* the teeth into the ground, much better penetration.

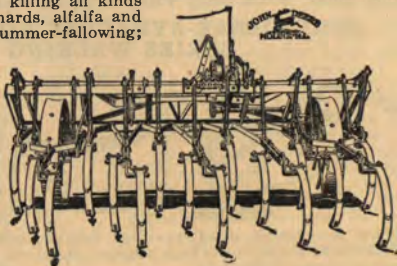
The Tractor-Controlled Weed Destroyer is similar to the harrow, but with fewer teeth to provide greater clearance and freedom for the *special-process* weed destroyer teeth. Two-, three-, and four-section sizes.



JOHN DEERE-VAN BRUNT MODEL "CC" FIELD AND ORCHARD CULTIVATOR

For making seed beds; killing all kinds of weeds; cultivating orchards, alfalfa and certain row crops; summer-fallowing; "roughing" stubble land; and for other tillage jobs.

Can be used with either spring or stiff teeth. Shovels available in types and sizes to fit your needs. Wheels are set inside frame. Depth regulator and power lift. For horses or tractor. Sizes: 5-, 6½-, 8-, 10-, 11½-, and 14½-foot.



ONE MONTH TO SAME DAY IN ANOTHER

From	to	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
January.....		365	31	59	90	120	151	181	212	243	273	304	334
February.....		334	365	28	59	89	120	150	181	212	242	273	303
March.....		306	337	365	31	61	92	122	153	184	214	245	275
April.....		275	306	334	365	30	61	91	122	153	183	214	244
May.....		245	276	304	335	365	31	61	92	123	153	184	214
June.....		214	245	273	304	334	365	30	61	92	123	153	183
July.....		184	215	243	274	304	335	365	31	62	92	123	153
August.....		153	184	212	243	273	304	334	365	31	61	92	122
September.....		122	153	181	212	242	273	303	334	365	30	61	91
October.....		92	123	151	182	212	243	273	304	335	365	31	61
November.....		61	92	120	151	181	212	242	273	304	334	365	30
December.....		31	62	90	121	151	182	212	243	274	304	335	365

Explanation—To find the number of days from January 20th to December 20th, follow horizontal line opposite January until you reach the column headed by December, when you will find 334, representing the required number of days, and so on with the other months. During leap year, if February enters into the calculation, add one day to result.

SIX PER CENT INTEREST TABLE

Time	\$1	\$2	\$3	\$4	\$5	\$6	\$10	\$20	\$50	\$100	\$1000
DAYS											
1	0	0	0	0	0	0	0	1	1	2	17
2	0	0	0	0	0	0	0	1	2	3	34
3	0	0	0	0	0	0	1	1	3	5	50
4	0	0	0	0	0	0	1	1	3	7	67
5	0	0	0	0	0	0	1	2	4	8	83
6	0	0	0	0	1	1	1	2	5	10	1 00
7	0	0	0	0	1	1	1	2	6	12	1 17
8	0	0	0	1	1	1	1	3	7	13	1 33
9	0	0	0	1	1	1	2	3	8	15	1 50
10	0	0	1	1	1	1	2	3	8	17	1 67
15	0	1	1	1	1	2	3	5	13	25	2 50
20	0	1	1	1	2	2	3	7	17	33	3 33
25	0	1	1	2	2	2	4	8	21	42	4 17
30	1	1	2	2	3	3	5	10	25	50	5 00
33	1	1	2	2	3	3	6	11	28	55	5 50
63	1	2	3	4	5	6	11	21	53	1 05	10 50
93	2	3	5	6	8	9	16	31	78	1 55	15 50
1	1	1	2	2	3	3	5	10	25	50	5 00
2	1	2	3	4	5	6	10	20	50	1 00	10 00
3	2	3	5	6	8	9	15	30	75	1 50	15 00
4	2	4	6	8	10	12	20	40	1 00	2 00	20 00
5	3	5	8	10	13	15	25	50	1 25	2 50	25 00
6	3	6	9	12	15	18	30	60	1 50	3 00	30 00
7	4	7	11	14	18	21	35	70	1 75	3 50	35 00
8	4	8	12	16	20	24	40	80	2 00	4 00	40 00
9	5	9	14	18	23	27	45	90	2 25	4 50	45 00
10	5	10	15	20	25	30	50	1 00	2 50	5 00	50 00
11	6	11	17	22	28	33	55	1 10	2 75	5 50	55 00
12	6	12	18	24	30	36	60	1 20	3 00	6 00	60 00
MONTHS											

CIRCLES AND GLOBES

To find the circumference of a circle, multiply the diameter by 3.1416

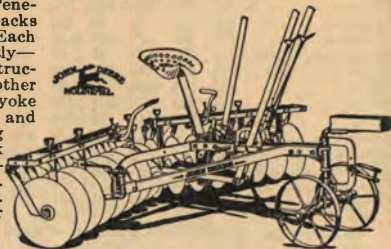
To find the area of a circle, multiply the square of the diameter by .7854

To find the surface of a globe, multiply the square of the diameter by 3.1416

To find the solidity of a globe, multiply the cube of the diameter by .5236

JOHN DEERE MODEL "B" DISK HARROW

Extremely flexible. Penetrates, pulverizes, and packs the soil its entire width. Each gang works independently—one gang can pass over obstructions without lifting the other from its work. Pivoted yoke controlled by third lever and powerful pressure spring holds gangs to their work in all conditions. Double-bar steel gang frames. Heat-treated steel disks. Rear section and tractor hitch can be furnished.



JOHN DEERE MODEL "DA" DISK HARROW

A remarkable new double-action disk harrow that is controlled entirely from the tractor—simply pull a trip rope and the tractor does all the work of angling and straightening the gangs. Adjustable spring pressure on front and rear sections keep disks working at even depth. Strong, double-bar, riveted gang frames, heat-treated disk blades, oscillating scrapers controlled from tractor. Sizes: 5-, 6-, 7-, 8-, 9-, and 10-foot, with 16- or 18-inch blades. Rear section can be detached and front section used as a single-action harrow, called the Model "D," or the front section can be purchased alone.



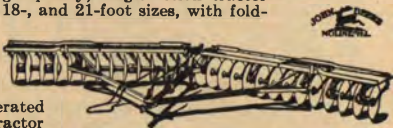
JOHN DEERE "K" SERIES DISK HARROWS

Entirely new in design and performance, the John Deere "K" Series represents the very latest in double-action disk harrows. Deep, uniform penetration over the full width; simple, positive tractor control for angling and straightening gangs; elimination of gouging or ridging soil on turns; simple adjustments for good work under varying field conditions; great strength and a low frame construction are just a few of the many features of these new harrows. Available in two weights—heavy-duty and extra-heavy-duty—in a size to meet your requirements and a type with just the right spacing and size of disks for your particular disking jobs.



JOHN DEERE MODEL "S" DISK HARROW

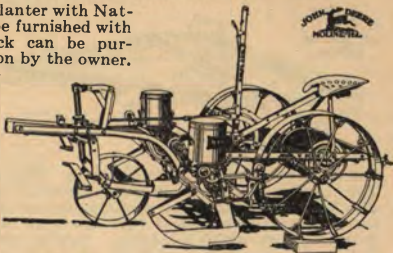
The Model "S" is a big-capacity, single-action tractor disk harrow, made in 15-, 18-, and 21-foot sizes, with folding gangs, and in the 11½-foot size without folding gangs. Larger size single-disks up to 100 acres a day. Or, you can double disk by lapping half. Operated entirely from tractor. Tractor does all the work of angling and straightening the gangs. End gangs fold over, reducing the 15-foot size to 10½ feet, the 18-foot to 12½ feet, and the 21-foot to 14 feet.



JOHN DEERE NO. 999 CORN PLANTER

The John Deere No. 999 Planter with Natural Drop Seed Plates can be furnished with tongue truck, or the truck can be purchased separately and put on by the owner. The tongue truck eliminates neck weight, insures a better check, a more even depth of planting, straighter rows; reduces side slip on hillsides, and makes turning easier at row ends.

Variable drop device enables you to drop two, three or four kernels in the hill, as desired, simply by shifting foot lever. Safety fertilizer attachment available; also tractor hitch.



JOHN DEERE NO. 111 COTTON AND CORN PLANTER

One-row riding planter. Both ground wheels drive seeding mechanism, keeping machine in perfect alignment. Shank has ample adjustment for planting upon highest beds or in listed furrows. Feed is gear driven. Can be furnished with pea and bean attachment, fertilizer distributor, press wheel, and three-piece middlebreaker bottom.

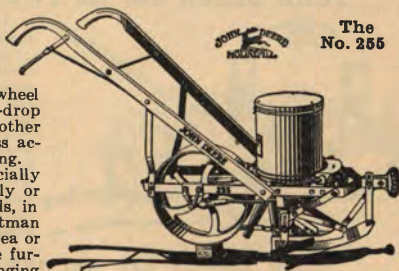


JOHN DEERE WALKING COTTON, CORN AND PEANUT PLANTERS

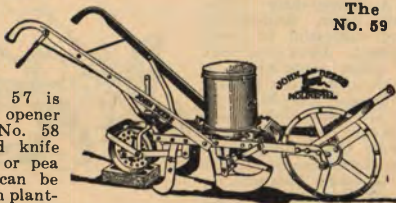
You'll get your crops off to a flying start when you use one of these accurate John Deere Walking Cotton and Corn Planters. Saw-tooth type steel picker wheel for cotton and natural-drop seed plates for corn and other seeds, assure you faultless accuracy and uniform planting.

The No. 255 is especially adapted to planting in hilly or terraced land, in small fields, in crooked rows. Direct pitman drive. Takes alternating pea or bean attachment. Can be furnished with stiff or swinging hitch. Also with variable depth planting attachment for cotton.

No. 59 pitman drive planter, shown at right, has runner opener and knife coverers. No. 57 is available with shovel opener and shovel coverers; No. 58 with shovel opener and knife coverers. Press wheel or pea and bean attachment can be furnished. Variable depth planting attachment for cotton and vetch planting attachment are also available.



The
No. 255



The
No. 59

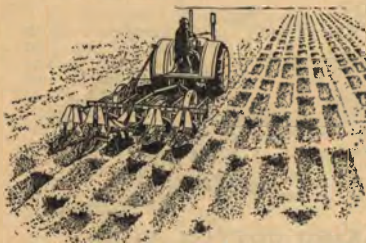
ROLLING STALK CUTTER FOR TRACTORS



The John Deere No. 206-G is designed for use with tractors. Simple. Strong (all steel). Cuts more than 3 acres per hour, two rows at a time. For greater capacity, a special hitch can be furnished to

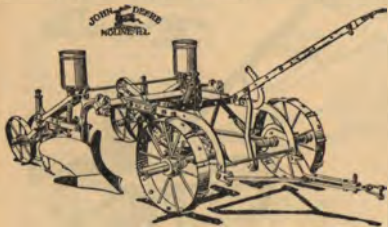
make a 4-row hook-up of two cutters. Knives are of heavy, tough steel. Drawbar extends to rear of frame where an eye is provided for attaching disk harrow, if desired—no strain is put on the cutter frame. Illustration shows the cutter equipped with transport skids, which are regular and gathering rods which are extra. Special stalk straighteners can be furnished and are recommended for best work in corn.

JOHN DEERE DAMMING EQUIPMENT



John Deere Damming Equipment is available for maximum moisture and soil conservation in the semi-arid regions. The new No. 751 five-row damming lister raises dams of uniform height in trenches 20 inches apart; seven-row attachment and seeding equipment available. In addition, parts are available to convert the John Deere No. 630 Lister into a five-row damming lister. Individual damming units are available for various types of John Deere listers.

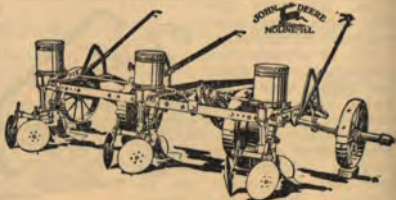
JOHN DEERE NO. 730 TWO-ROW LISTER



A new two-row lister that embodies a new, yet field-proved principle of design. In place of full-length beams, the No. 730 has stub beams easily shifted along the tool bar to the desired row-spacing (42 to 54 inches) and locked to position by clamps. Forward wheels carry front of lister and act as gauge wheels. Available with shovel or disk coverers. Get complete information from your John Deere dealer.

JOHN DEERE NO. 630 SERIES LISTERS

A heavy-duty three-row lister, field-proved and successful in every respect. Does good work in either single listing or relisting. Row spacing adjustable to 36, 38, 40, 42, or 44 inches. John Deere 999 corn drop and picker-wheel cotton drop—both famous for accuracy. Has John Deere bottoms, famous for good work and long wear. Coverers quickly adjustable for covering shallow or deep. Simple, positive power lift.



ADDRESSES

Name

Street and No.

City and State

Name

Street and No.

City and State

Name

Street and No.

City and State

Name

Street and No.

City and State

Name

Street and No.

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Name

Street and No.

City and State

Name

Street and No.

City and State

Date

JANUARY RECEIPTS

31 Days

JOHN DEERE DAMMING EQUIPMENT

JOHN DEERE NO. TWO ROW MOWER

JOHN DEERE NO. ONE SERIES LIFTER

STOCK-BREEDING RECORD

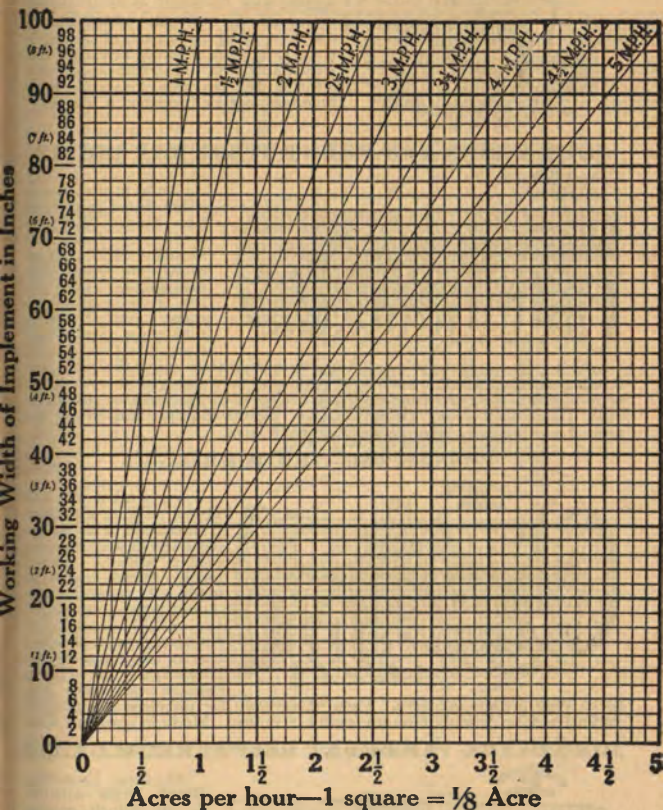
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Working Width of Implement in Inches

JOHN DEERE

Handy Acreage Chart

Copyright Deere & Co.



DIRECTIONS: In the left-hand column, find the line that represents the working width of your equipment. Follow this line to the right until it touches the diagonal line representing the speed of travel. Follow vertical line to the bottom of chart and estimate hourly acreage from nearest figure. In figuring acreage for implements wider than 100 inches, figure as above for half the width and multiply the result by two.

EXAMPLE: (Using a three-bottom, 16-inch tractor plow cutting 48 inches, traveling at $3\frac{1}{2}$ M. P. H.) Follow the line numbered 48 to a point midway between the diagonal lines marked 3 M. P. H. and $3\frac{1}{2}$ M. P. H. which represents the speed at which you are traveling. From this point, drop down to the bottom of the chart. Acreage covered is just a trifle less than $1\frac{1}{2}$ acres per hour.

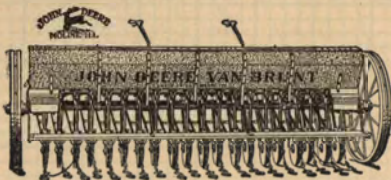
JOHN DEERE-VAN BRUNT ONE-HORSE DRILLS



Plain and Fertilizer

For planting between rows of corn or cotton, and for small plots of ground. Adjustable for 6-, 7-, and 8-inch spacing. Swinging outer disks prevent damage to corn, and insure planting all the ground. Adjustable gate fluted force-feed; long-wearing disk bearings. Grass-seeder attachment can be furnished if wanted.

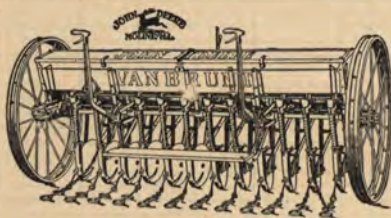
JOHN DEERE-VAN BRUNT STEEL BOX DRILLS



Can be furnished with either fluted force-feeds (the Model "EE") or double-run feeds (the Model "SS"); your choice of single-disk, double-disk, shoe, or hoe style furrow openers; rust - resisting galvanized steel box; sturdy steel wheels with

tough iron boxings and long chilled bearings that carry the load; full-floating axles; power-lift and depth regulator that give you control of one or more drills from the tractor—these are some of the features that make John Deere-Van Brunt Drills stronger, lighter-running and better all-around seeding machines. A size for every farm.

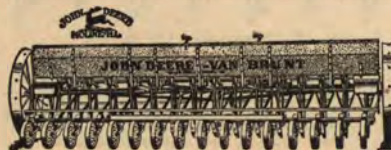
FERTILIZER-GRAIN DRILLS



The John Deere Model "F" Fertilizer-Grain Drill drills in the fertilizer at the time the seed is drilled. Fluted force - feeds handle all kinds of seed in any quantity per acre. Single- and double-disks interchangeable with shoe and hoe furrow openers. Star force-feeds sow fertilizer in quantities from

24 to 1680 pounds per acre. Used extensively for planting row crops in various widths—simply stop up feeds not in use. Made in standard sizes.

JOHN DEERE-VAN BRUNT DEEP FURROW DRILLS



All John Deere-Van Brunt Drills with 6-, 7-, or 8-inch spacing of openers can be converted into 12-, 14-, or 16-inch deep furrow drills, respectively, by stopping up every other feed opening and using 16-inch disks with

moldboards which throw dirt one way. Heavy press wheels pack dirt over seed.

Semi-deep furrow drills are made in 12 x 10 and 16 x 10 sizes only. They have 14-inch disks; not interchangeable with other styles of openers. Press wheels available.

Model "Z" Lister Drill makes seed trenches 6 inches wide; throws up high, rounded ridges. Has open corn planter type press wheels.

JOHN DEERE-VAN BRUNT LIME AND FERTILIZER DISTRIBUTORS

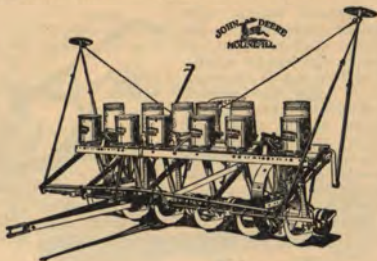
Cover 8 feet of ground; carrying capacity, 10 bushels. Direct wheel drive—each wheel drives half the machine. Steel or rubber-tired wheels. The Model "A" Fertilizer Distributor has star force-feeds for distributing fertilizers and



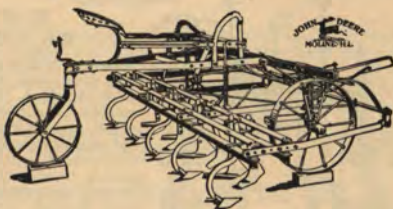
other materials in quantities from 48 to 4950 pounds per acre; the Model "H" Steel Box Lime Distributor, shown here, has rotary wing feeds that apply lime, calcium chloride and fertilizers in quantities from 200 to 20,000 pounds per acre; can be specially equipped for spreading calcium chloride, sand, cinders and ashes on roads. Takes pneumatic tires.

JOHN DEERE BEET AND BEAN TOOLS

The John Deere line of cost-reducing equipment for beet and bean growers is complete: plate-feed, and hill-drop planters; fluted feed drills; cultivators for use with horses or tractor; and beet lifters, one-row for horses, two-row for tractors.

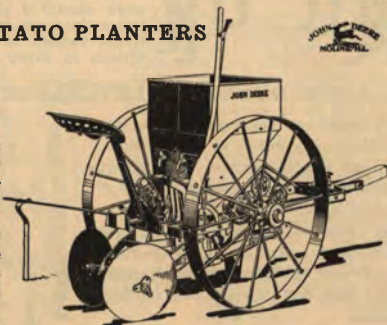


The John Deere 2-, 3-, and 4-row horse-drawn beet and bean cultivators are famous for their light-weight construction with great strength. T-bar tool bars are an exclusive John Deere feature. Large variety of tools to meet all needs. 4- and 6-row power-lift cultivators for tractors. 2- and 4-row bean harvesters for tractors.

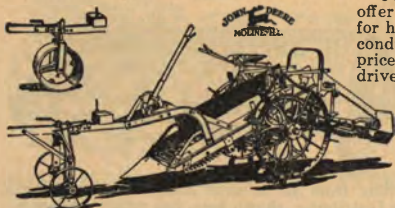


JOHN DEERE POTATO PLANTERS

John Deere Potato Planters are famous for their accurate, gentle picking; their accurate, uniform drop; their exact spacing in the row; their efficient fertilizer distribution; their exacting covering of both seed and fertilizer; and their sturdy construction. Available in one- and two-row sizes for use with horses or a tractor.



JOHN DEERE POTATO DIGGERS

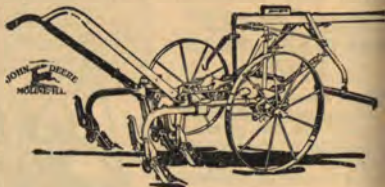


John Deere Potato Diggers offer you all the latest features for harvesting your crop in best condition for highest market prices. Horse-drawn, engine-drive, and straight-line tractor-drive styles. Tractor-drive diggers now available in new level-bed design, one-row and two-row. Regular angle-bed diggers are convertible from continuous elevator to extension elevator, a

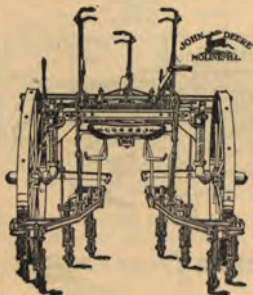
valuable feature in meeting varying digging conditions.

JOHN DEERE DF WALKING CULTIVATOR

Balanced frame, with correct attachment for lifting springs—light or heavy rigs handle easily. Pole does not fly up when heavy rigs are raised. Connecting point between lifting spring yoke and beam coupling can be raised or lowered for penetration to suit soil conditions. Simple depth-



Hugging device makes it easy to keep rigs parallel with row, no matter how shovels are set. High, adjustable arch. Rig styles to meet the requirements of different sections.

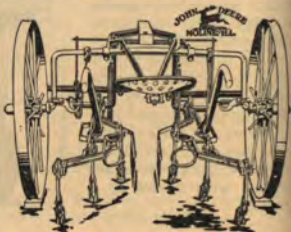


JOHN DEERE KL CULTIVATOR

Especially designed for use in narrow or wide rows—the ideal cultivator for diversified farming. Wheel track quickly adjustable to cultivate rows from 28 to 48 inches wide. Easy control to meet all field conditions by means of master lever, independent depth levers, tilting lever, and spacing lever. Quick dodge—pedal guide pivots wheels and shifts rigs. Open framework through center gives good view of work ahead of shovels. Strongly built—frame does not sag; wheels do not spread. Great variety of rig styles to meet conditions in every section of the country.

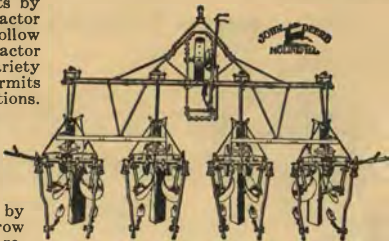
JOHN DEERE VB LEVERLESS CULTIVATOR

Turning a convenient tail nut within handy reach of the operator adjusts depth quickly and easily. Specially designed coupling sleeve makes the VB balance properly without adjustment of the lifting springs. Wheels are extra strong, with dust-proof and oil-tight boxes. Various style rigs and shovels can be furnished.



JOHN DEERE THREE-, FOUR-, AND FIVE-ROW TRACTOR CULTIVATORS FOR LISTED CORN

Especially designed to speed up the work and cut costs by taking full advantage of tractor speed and power. Follow trenches perfectly when tractor is on the ridges. Great variety of tillage equipment permits work under all conditions. Bolster plate keeps gangs from rocking. Any adjustment of disks, shovels, or wheels can be made by simple clamp adjustments. Three-row quickly convertible to five-row by adding two gangs; five-row reducible to three-row by removing outer gangs. Four-row designed for wide-tread type tractors. Daily capacity varies from 25 to 40 acres with the three-row, 35 to 60 acres with the five-row.



JOHN DEERE MANURE SPREADER

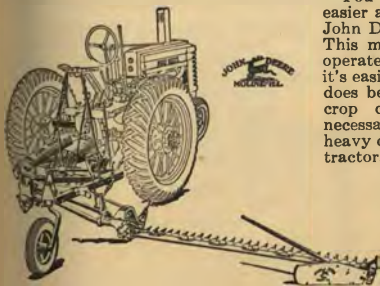
The John Deere three-beater, tight-bottom spreader, with the beater on the axle and cushion-spring front bolster construction, is easier to load, easier to pull, it does better work, and lasts longer. Low, easy-loading box is only hip high—does away with high pitching. High drive wheels, roller bearings on all three beaters, new-type spiral beater, and large, four-bar upper beater which will not wrap, and fewer moving parts—these features assure light draft. Beater is on the axle, close to the ground—manure is thoroughly shredded and spread evenly. High-grade materials, quality workmanship, and the use of fewer and sturdier parts insure more years of low-cost service.



Efficient one-man lime spreading attachment, endgate attachment, brake and tractor hitch can be furnished. Steel pole and eveners are regular.

JOHN DEERE POWER MOWER

You can cut your hay faster, easier and at lower cost with the John Deere No. 5 Power Mower. This mower is simpler, easier to operate, it works with any tractor, it's easier to attach and detach; it does better work in all field and crop conditions, and has the necessary strength for years of heavy cutting service behind your tractor. Tractor steers easier because mower is flexibly connected and rear end of mower is carried by a caster wheel. It's the tractor mower that gives you maximum cutting capacity at minimum cost. Made in 4½-, 5-, 6-, and 7-foot sizes.



MILES TRAVELED IN PLANTING AN ACRE—3' 6" ROWS

1-Row Planter.....	2.34 miles
2-Row Planter.....	1.17 miles
3-Row Planter.....	.78 miles

ACRES PLANTED IN TRAVELING ONE MILE—3' 6" ROWS

1-Row Planter.....	.42 acres
2-Row Planter.....	.84 acres
3-Row Planter.....	1.26 acres

There are 10,667 stalks in an acre planted in 3' 6" rows, three stalks to the hill, hills 3' 6" apart, or drilled one stalk every 14 inches.

There are 3,556 hills in an acre planted in 3' 6" rows, hills 3' 6" apart.

GESTATION TABLE

Date of Service		Date Animal Due to Give Birth							
		Mare		Cow		Ewe		Sow	
Jan.	1	Dec.	6	Oct.	10	May	30	April	22
Feb.	1	Jan.	6	Nov.	10	June	30	May	23
March	1	Feb.	3	Dec.	8	July	30	June	22
April	1	March	6	Jan.	8	Aug.	28	July	21
May	1	April	5	Feb.	7	Sept.	27	Aug.	20
June	1	May	6	March	10	Oct.	28	Sept.	20
July	1	June	5	April	9	Nov.	27	Oct.	20
Aug.	1	July	6	May	10	Dec.	27	Nov.	20
Sept.	1	Aug.	6	June	10	Jan.	26	Dec.	21
Oct.	1	Sept.	5	July	10	Feb.	25	Jan.	20
Nov.	1	Oct.	6	Aug.	10	March	27	Feb.	20
Dec.	1	Nov.	5	Sept.	9	April	26	March	22

CAPACITY OF SILO

A silo, properly filled—that is, if the contents are made compact throughout—contains one ton of silage for every fifty cubic feet of space. To illustrate the economy of a silo to store stock feed as compared with a barn, a ton of hay requires 400 cubic feet of space. A farmer can easily figure how much a silo will contain by the following rules:

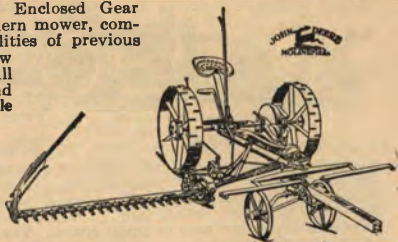
Multiply the square of the diameter by 0.7854, that will be the area of the circular floor. Multiply the area of the floor by the height, that will give the number of cubic feet. One cubic foot of silage weighs 40 lbs. Multiply the cubic feet by 40, and the result is the number of pounds of silage the silo will contain. Divide that by 2,000 to find the number of tons.

Diameter	Depth	Capacity in Tons	Acres to Fill 15 Tons to Acre	Cows It Will Keep 6 Months, 40 Lbs. per Day
10	20	31	2-1/3	8
12	20	45	3	12
12	24	54	3-3/5	15
12	28	63	4-1/5	17
14	22	67	4-1/2	18
14	24	74	5	20
14	28	87	5-2/3	24
14	30	93	6	26
16	24	96	6-2/5	27
16	26	104	7	29
16	30	120	8	33
18	30	152	10-1/5	42
18	36	183	12-1/3	50

JOHN DEERE ENCLOSED-GEAR MOWER

The John Deere No. 4 Enclosed Gear Mower is a thoroughly modern mower, combining all of the good qualities of previous John Deere mowers with new and distinctive features. All gears are fully enclosed and run in a bath of oil. Axle bearings, wheel bearings, gear bearings, counter-shaft and pitman shaft bearings are oiled automatically from the gear case. High, easy foot lift; extremely high hand lift. Direct transmission of power through two pairs of balanced gears reduces draft and wear. High-grade roller, ball and bronze bearings and wide-tread, wide-tired wheels mean lighter draft. Flexible cutter bar, quick-acting clutch, great strength, and ease of operation are outstanding qualities. Furnished in 4½-, 5-, 6-, and 7-foot sizes. Tongue truck furnished as extra.

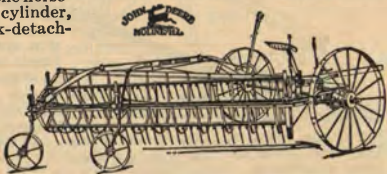
Tractor owners will want a John Deere Tractor-Drawn or a John Deere Power-Driven Mower. They are built specially for fast, big-capacity mowing. Built in 7-, 6-, 5-, and 4½-foot sizes.



JOHN DEERE SIDE-DELIVERY RAKES For Horses and Tractor

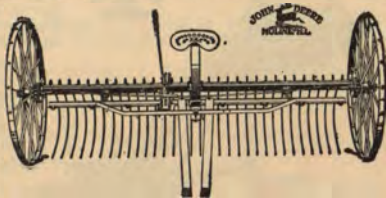
Both the tractor rake and the horse-drawn rake have the floating cylinder, universal joint drive, quick-detachable curved teeth, and inclined frame—they float the hay into loose, fluffy windrows, leaves to the inside protected from the direct sunlight, stems outside. It makes the John Deere Way of Making Hay of even greater value to the hay grower.

The John Deere tractor rake is a real tractor rake, being built especially for use with tractor. It has four tooth bars instead of three in order to handle the larger volume of hay due to the faster travel of the tractor. The reel, however, turns at approximately the same speed as the horse rake, regardless of the faster travel of the tractor—there is no undue shattering of the valuable foliage parts. Because the cylinder is spring-suspended, it adjusts itself to the ground surface, and rakes over its full width, regardless of how rough and uneven the field may be. Special equipment is available for raking hay in irrigated fields and for raking mint, beans, peas, peanuts, and similar crops.

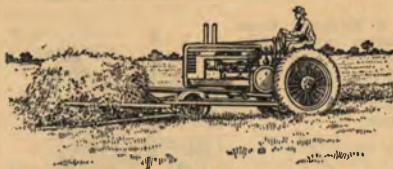


NEW IMPROVED JOHN DEERE SULKY RAKE

The rake that gives years of service. Wheels interchangeable, and dump rods reversible, giving extra wear without repair expense. Wheels have proper pitch. Steel truss rod reinforces rake head—prevents sagging. Same tooth holders accommodate large or small number of teeth. Adjustments provided to keep rake in perfect working order. Tripping device is positive and simple. Set of teeth quickly changed with adjusting lever bar. This rake is easy to operate and does a real job of raking. Sizes: 8-, 9-, 10-, 11-, and 12-foot. Tongue truck and special heavy-duty wheels and teeth can be furnished.



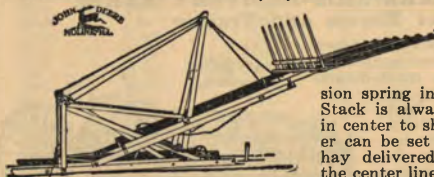
JOHN DEERE TRACTOR SWEEP RAKES



In the John Deere GP-72 Power-Lift and the GP-74 Hand-Lift Tractor Sweep Rakes have been embodied every good feature you have wanted in a sweep rake and, most important, they can be mounted on the tractor, and detached quickly and

easily—simply take out a few bolts and pins to remove the rake, and your tractor becomes readily available for other jobs. Both rakes will fit John Deere General Purpose Tractors—Model “A”, “B” or “G”. They have great strength, yet are light in weight and flexible—easy to steer and handle in the field—turn in small space. The No. 72 rake head is raised and lowered by tractor power lift—simply depress a handy pedal. Teeth of the No. 74 rake can be either allowed to float or locked down. No. 74 has automatic push-off which also can be used as a rigid head slat frame. The No. 82 and the No. 84 Hand-Lift Sweep Rakes, which are made for the John Deere Models “H” and “L” Tractors, are of the same general design as the GP-74. John Deere also makes a complete line of horse-drawn sweep rakes; three sizes of power-lift rakes, folding and truss frame types.

JOHN DEERE NOS. 1, 2, AND 2A HAY STACKERS



Simple in operation—strong. Adjustable stop cables and long compression spring insure proper delivery. Stack is always higher and firmer in center to shed rain. The stacker can be set at end of stack, and hay delivered any distance along the center line of the stack, accord-

ing to the speed the horses are driven. Delivery height easily adjusted. Only one stake at rear end is needed to hold down stacker under ordinary conditions. Cable brake holds up stacker head when transporting. New type hay retainers are strong and effective.

Maximum height of pitcher-tooth delivery: No. 1, 19 feet 3 inches; No. 2, 24 feet 2 inches.

Height stacks can be built: No. 1, 25 feet; No. 2, 30 feet. No. 2A stacker is built with extra strength for unusually heavy hay. Used principally in the Pacific Northwest.

JOHN DEERE DOUBLE-CYLINDER HAY LOADER



Does better work in any kind of hay, rakes cleaner, delivers the hay in better condition, and has a greater capacity. It is easier to operate, and saves time and labor.

Handles hay gently from ground to top of load. Spring-floated gathering cylinder gets all the clean hay in uneven fields; leaves the trash. Handles the lightest swath or heaviest windrow; light draft. All-steel frame with hot-riveted corner plates. Hinged carrier can be adjusted up or down by the man on load. Makes loading easy in windy weather.

LUMBER MEASURE

To find the contents of boards, in square feet. Rule—Multiply the length (in feet) by the width (in inches) and divide the product by 12.

Example—Find the contents of a 16-foot board, 9 inches wide.

$$9 \times 16 = 144 \div 12 = 12 \text{ square feet. Ans.}$$

To find the contents of scantlings, joists, etc., in square feet.

Rule—Multiply the length, thickness and width together, and divide the product by 12.

Example—Find contents of an 18-foot joist, 2 x 8.

$$2 \times 8 \times 18 = 288 \div 12 = 24 \text{ square feet. Ans.}$$

TO FIND THE CONTENTS OF SQUARE TANKS IN GALLONS

Rule—Multiply the area of the bottom by the height in order to secure the cubic feet. Multiply the cubic feet by $7\frac{1}{2}$ (exact 7.48) and the result will be the number of gallons. For the contents in barrels, multiply the cubic feet by .2375.

TO FIND HEIGHT OF TREE OR BUILDING

Set up a stick and measure its shadow. Measure length of shadow of tree. Length of shadow of tree, times height of stick divided by length of shadow of stick equals height of tree.

LAND MEASURE

To find the number of acres in a body of land, multiply the length by the width (in rods) and divide the product by 160. When the opposite sides are unequal, add them, and take half the sum for the mean length or width.

TABLES CONVENIENT FOR TAKING INSIDE DIMENSIONS

A box 24 x 24 x 14.7 inches will hold a barrel of $31\frac{1}{2}$ gallons.

A box 15 x 14 x 11 inches will hold 10 gallons.

A box $8\frac{1}{2}$ x 7 x 4 inches will hold a gallon.

A box 4 x 4 x 3.6 inches will hold a quart.

A box 24 x 28 x 16 inches will hold five bushels.

A box 16 x 12 x 11.2 inches will hold a bushel.

A box 12 x 11.2 x 8 inches will hold a half-bushel.

A box 7 x 6.4 x 12 inches will hold a peck.

A box 8.4 x 8 x 4 inches will hold a peck, or four dry quarts.

A box 6 x 5.6 x 4 inches deep will hold a half-gallon.

COMMODITY WEIGHTS AND MEASURES

A pint's a pound—or very nearly—of the following: Water, wheat, butter, sugar, blackberries.

A gallon of milk weighs 8.6 pounds; cream, 8.4 pounds; $46\frac{1}{2}$ quarts of milk weigh 100 pounds.

A keg of nails weighs 100 pounds. A barrel of flour weighs 196 pounds; of salt, 280 pounds; of beef, fish, or pork, 200 pounds; cement (4 bags) 376 pounds.

Cotton in a standard bale weighs 480 pounds. A bushel of coal weighs 80 pounds.

A barrel of cement contains 3.8 cubic feet; of oil, 42 gallons.

A barrel of dry commodities contains 7,056 cubic inches, or 105 dry quarts.

A bushel leveled contains, 2,150.42 cubic inches; a bushel heaped—2,747.7 cubic inches. (Used to measure apples, potatoes, shelled corn in bin.)

A peck contains 537.605 cubic inches. A dry quart contains 67.201 cubic inches.

An acre contains 4,840 square yards, or 43,560 square feet. A square acre measures 208.71 feet on each side.

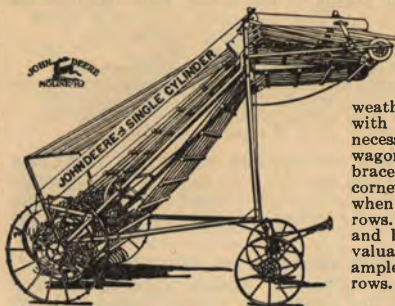
A board foot = 144 cubic inches; a cord contains 128 cubic feet.

WEIGHTS AND VOLUMES OF WATER

One cubic inch of water weighs .03617 pounds. One cubic foot weighs 62.5 pounds.

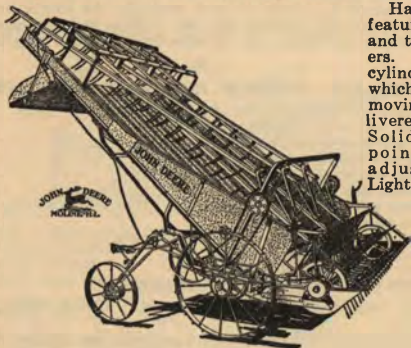
One cubic foot = 7.48052 gallons. One pint (liquid) weighs 1.044375 pounds. One gallon weighs 8.355 pounds. One gallon = 231 cubic inches. One liquid quart = 57.75 cubic inches.

JOHN DEERE SINGLE-CYLINDER HAY LOADER



Very light draft and has minimum number of working parts. Single drum mounted directly on the axle. Hinged carrier makes loading easy in windy weather. Furnished regularly with forecarriage—no lifting is necessary when coupling to wagon. Extra strong, well-braced frame with hot-riveted corner plates. Gets all the hay when properly raked into windrows. Handles alfalfa, clover and beans without knocking off valuable foliage parts. Capacity ample for all side-rake windrows.

JOHN DEERE RAKER BAR-CYLINDER HAY LOADER

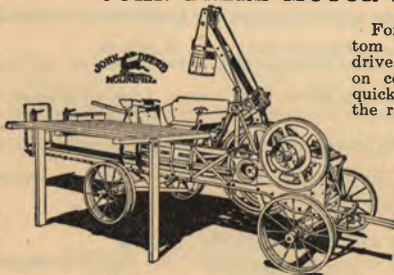


Has all of the desirable features of both the raker bar and the double-cylinder loaders. Full-floating gathering cylinder gets all the clean hay which is elevated by the slow moving raker bars and delivered far forward on wagon. Solid steel deck. Three-point suspension. Quick-adjustable forecarriage. Light-draft.

The John Deere Combination Raker Bar-Cylinder Loader is a dependable loader with floating cylinder, automatic capacity adjustment, and other features that mean good work.

Loading equipment for green crops is also available.

JOHN DEERE MOTOR PRESSES



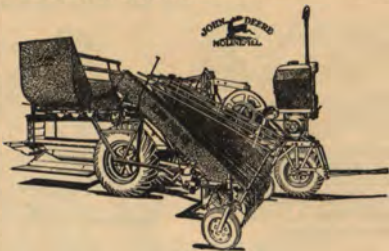
For either individual or custom work. Eccentric gear drive gives increased leverage on compression stroke and a quick return of the plunger—the reason why this press will turn out more and better bales in less time than any other make of press. Improved block dropper, automatic tucker, positive self-feed and powerful plunger assure neat, well-pressed bales. Efficient lubri-

cation. Bronze bearings. Engine extension can be furnished when desired. 14x18-, 16x18-, and 18x22-inch bales. Windrow Pick-Up Press has same fine features. The No. 14 Power Press is light yet strong. Primarily for peanut hay.

JOHN DEERE WINDROW PICK-UP PRESS

The John Deere Windrow Pick-Up Press is famous for great strength, extreme flexibility, big capacity, and clean work. It will not only handle all kinds of hay from the windrow, but it also does exceptionally good work baling straw left by the combine. Used as a stationary baler for either hay or straw, a John Deere Windrow Pick-Up Press will save you the wages of one man—the feeder.

The hay can be pitched directly from the stack into the cross-conveyor—no man is needed to fork the hay from the platform. The cross-conveyor can be lowered to within 36 inches of the ground for convenience in pitching. The pick-up is ground-driven; a dependable motor drives the cross-conveyor and also operates the press. The press can be quickly prepared for transportation—simply remove the pick-up unit. Press sizes: 14x18, 16x18, and 18x22. The John Deere Power Take-Off Press can be used to bale from cocks or windrows in the field or from stack or barn. Made in 16x18 size only. For Models "A" and "G" Tractors only.



LIGHT-RUNNING JOHN DEERE ENCLOSED-GEAR GRAIN BINDER

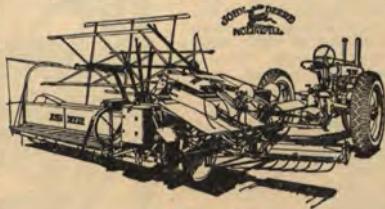
In presenting the Light-Running John Deere Binder with enclosed drive gears and alemite grease-gun lubrication throughout, John Deere gives you one of the most important improvements in binder construction made in years.

This modern lubrication insures smoother, quieter operation, lighter draft, lower upkeep costs, and longer life for gears and adjoining bearings.

Great strength throughout, liberal use of roller and ball bearings, flexible-capacity elevators, which handle lightest or heaviest crop without waste, accurate tying parts, keen-cutting, long-lived cutting parts, all-steel, quick-turn tongue truck, light-draft and ease of operation are other outstanding features. Stiff pole and tractor hitches can be furnished. Made in 6-, 7-, and 8-foot sizes.



JOHN DEERE ENCLOSED-GEAR TRACTOR BINDER

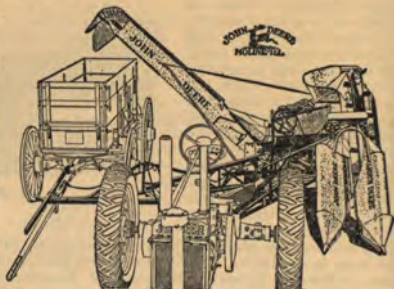


With the John Deere 10-Foot Power-Driven Tractor Binder, you can cut twice as many acres in a day as with an 8-foot horse-drawn binder. Heavy and down crops handled to better advantage. Same superior features and high-quality construction as in Light-Running John Deere. Great strength in every part. Slip clutches protect important parts. Can be operated by all makes of tractors. Also furnished in 8-foot size.

JOHN DEERE ONE- AND TWO-ROW PULL-TYPE PICKERS

John Deere No. 10 and No. 21 One- and Two-Row Corn Pickers are still the most modern and up-to-date pull-type pickers in the field. Their fast, clean picking, their ease of operation, their light draft and their durable, long-lived construction make them a better buy for your money.

These pickers can be driven from the power take-off of any tractor. One man operates the tractor and picker and controls the loading of the wagon from the tractor seat. Picker and wagon form a balanced-draft unit behind the tractor.



JOHN DEERE ONE- AND TWO-ROW PUSH-TYPE PICKERS

The John Deere No. 15 and No. 25 One- and Two-Row Push-Type Pickers are built for owners of John Deere Models "A" "B" and "G" Tractors. No hand picking is necessary in opening up fields . . . the corn is handled in a direct line from the snapping rolls to the wagon-elevator . . . the operator has a full view of all operations . . . the outfit steers as easily as the tractor alone.

These pickers are simpler, easier to attach and detach from tractor, easier to operate and they put less weight on tractor—the ideal pickers for John Deere Tractor owners.

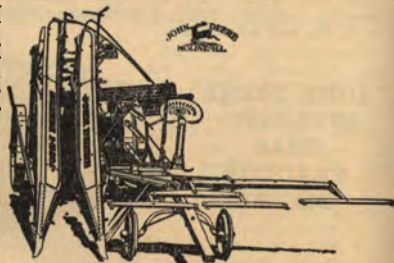


JOHN DEERE CORN BINDER

This binder is unusually easy to operate. By merely pressing foot-trip lever, power carrier delivers bundles free of horses' path and practically at right angles to standing corn. All-steel, quick-turn tongue truck takes neck weight from horses and makes it easy for horses to turn at ends. Axle of truck is flexible—wheels hold to uneven ground, which prevents side draft and sluing on sidehills.

Wide range of adjustment, seventeen roller and ball bearings, perfect delivery of cut corn to binder attachment, and unusual strength throughout, are other important features.

Stiff pole, tractor hitches and bundle elevator can be furnished.



BELTING POINTERS

HOW TO FIND LENGTH REQUIRED

When it is not convenient to measure with the tapeline, the length required, apply the following rule: Add the diameter of the two pulleys together, divide the result by 2, and multiply the quotient by $3\frac{1}{2}$; then add this product to twice the distance between the centers of the shafts, and you have the length required.

If possible to avoid it, connected shafts should never be placed one directly over the other, as in such case, the belt must be kept very tight to do the work.

It is desirable that the angle of the belt with the floor should not exceed 45 degrees. It is also desirable to locate the shafting and machinery so that belts should run off from each shaft in opposite directions, as this arrangement will relieve the bearings from the friction that would result when the belts all pull one way on the shaft.

TO FIND THE BELT SPEED IN FEET PER MINUTE

Multiply diameter of pulley in inches by 3.1416. This gives circumference of pulley, and this result multiplied by number of revolutions will give you belt speed in inches.

RELATIVE TRANSMISSION OF H. P. FOR ANY GIVEN WIDTH OF BELT

The horse power for a given speed will be directly proportioned to the width of the belt; that is, a 4-ply belt, 16 inches wide, running at a certain speed, will transmit eight times as much power as a 4-ply belt 2 inches wide, running at the same speed, and a belt 100 inches wide, ten times as much as a 10-inch belt of the same thickness, running at the same speed, etc.

TO FIND THE H. P. THAT ANY GIVEN BELT WILL ECONOMICALLY TRANSMIT

Multiply the width of the belt in inches by its speed in feet and divide the result by 800. The final result will be the horse power for a 4-ply belt. For a 6-ply belt, divide this result by 600; for 8-ply, divide this result by 400; for 10-ply, divide this result by 350.

TO FIND THE PLY OF A BELT OF A GIVEN WIDTH REQUIRED

To economically transmit a given horse power at a given belt speed, multiply the given horse power by 800 and the given width in inches by the given belt speed in feet, and divide the first result by the second.

If the final result is one, or nearly one, a 4-ply belt is required; if one and one-half, a 6-ply belt is required; if one and three-quarters to two, an 8-ply belt is required; if two to two and one-quarter, a 10-ply belt is required.

TO FIND WIDTH OF BELT REQUIRED

To find the width of a 4-ply belt required economically to transmit a given horse power at a given belt speed per minute: Multiply the given horse power by 800, and divide the result by the given belt speed.

To find the width of a 6-ply belt required: Multiply the horse power by 600; divide the result by belt speed.

To find the width of an 8-ply belt required: Multiply horse power by 400; divide result by belt speed.

To find the width of a 10-ply belt required: Multiply horse power by 350; divide result by belt speed.

TO FIND SPEED AND DIAMETER OF PULLEYS

The product of the diameter and speed of the driving pulleys equals the product of the diameter and speed of the driven pulley; consequently, if the speed and the diameter of the driving pulley are given, multiply them together and divide by the diameter of the driven pulley to find the speed of the driven; or divide by the speed of the driven pulley to find its diameter.

Example—The drive pulley on a tractor is $9\frac{1}{2}$ inches in diameter and runs at 1,000 R. P. M.; what size pulley must be used on a thresher cylinder shaft that must run at 1,100 R. P. M.?

$9\frac{1}{2}$ times 1,000 equals 9,500; divided by 1,100, equals 8.64. Since pulleys are made only in certain standard diameters, use either the next size larger, 9-inch diameter, and raise the engine speed slightly, or use $8\frac{1}{2}$ -inch pulley, considering that the slight slippage will reduce the effective speed to the correct number of revolutions per minute.

JOHN DEERE POWER CORN BINDER

The lightweight, light-running John Deere Power Corn Binder provides maximum cutting capacity for tractor owners. It gets the corn out in spite of bad weather—saves hard work and money. It is built to the same high standard of quality that has kept John Deere Horse-Drawn Binders out in the lead. It has all the features of the horse-drawn binder, plus strength and capacity for tractor power. Used with any tractor. Roller and ball bearings reduce draft. High-pressure grease gun oiling makes oiling easy, lengthens life. Wagon loader and wagon hitch available for silo-filling.



JOHN DEERE ENSILAGE HARVESTER

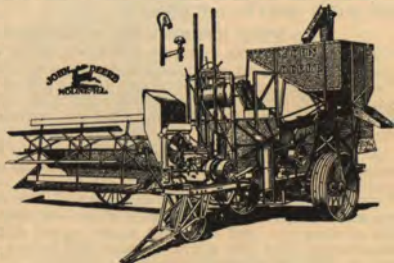
From standing corn to top-grade ensilage in one operation—that's the time-, labor-, and money-saving performance of the John Deere Ensilage Harvester.

Cuts standing corn into pieces from $\frac{3}{8}$ " to $\frac{5}{8}$ " or $\frac{5}{8}$ " to 1" long and delivers it into wagons. Cuts silo-filling crews in half. Eliminates twine bills and heavy lifting of green bundles. Last word in silo-filling efficiency.



JOHN DEERE COMBINES

Lightweight, light-draft, easy handling, and good work are outstanding features of the John Deere No. 5-A. Wide-tread of main wheels permits them to straddle tractor's wheel tracks, giving lighter draft. Three-wheel-in-line construction provides flexibility for good work in uneven ground. Grouping of all main controls on operator's platform gives one man complete and instant control of machine. Every unit built to save and clean the grain to best advantage. The No. 5-A is built in 10-ft. and 12-ft. sizes. If you have a small acreage, the John Deere No. 11 Five-Foot One-Man, Power-Driven Combine or the No. 7 8-foot Combine will meet your requirements. If you have a larger acreage, you need the John Deere No. 17, built in 12- and 16-foot sizes.



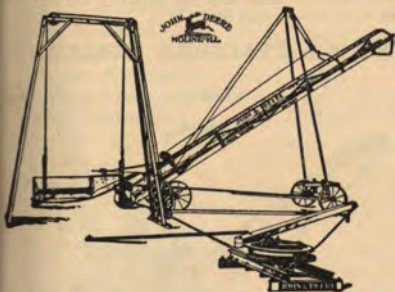
JOHN DEERE NO. 11 ONE-MAN COMBINE

The new John Deere No. 11 Combine is a money-saving combine that fits the acreage and pocketbook of the man with a small or medium-sized farm. The maximum cut of this new combine, with 54-inch cutter bar and 6-inch gatherer, is 5 feet. From the cutter bar on through the machine, the grain and straw travel in a straight line. There are no turns—no corners to cause piling or clogging. Extra-wide rasp-bar cylinder . . . full-width separation . . . and extra-large cleaning units insure a fast, clean job of threshing all small grains, soy beans, grasses, and other combinable crops.

Narrow transporting width . . . smooth, positive V-belts on all main drives . . . safety slip clutches on power line, grain tank emptying auger, reel, and tailings and clean grain elevators . . . 14-bushel auger discharge grain tank . . . high-grade bearings . . . hardened-cut steel gears in gear case . . . sturdy main frame . . . Alemite grease-gun lubrication—these are but a few of the many high-quality features you'll like in the new John Deere No. 11 Combine.



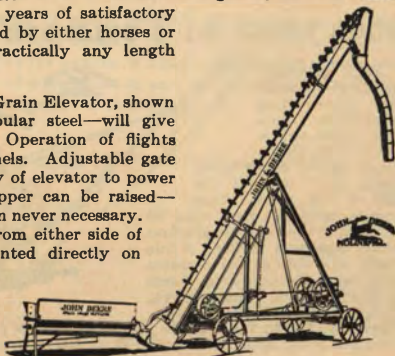
JOHN DEERE ELEVATORS



The John Deere Portable Elevator, shown at left, is an all-steel elevator for quick transportation from one crib or bin to another. Bridge-trussed construction prevents sagging, heavy draft and undue wear. Hopper and sections made of sheet steel, heavily galvanized to resist rust. Roller bearings lighten draft. Wagon dump stops automatically or can be

controlled by operator. Release of brake lowers wagon by gravity. All-steel construction insures years of satisfactory low-cost service—operated by either horses or engine. Furnished in practically any length required.

The John Deere Small Grain Elevator, shown at right, is made of tubular steel—will give extra years of service. Operation of flights prevents cracking of kernels. Adjustable gate permits adapting capacity of elevator to power available. Receiving hopper can be raised—backing up a loaded wagon never necessary. Wagon can be emptied from either side of hopper. Engine is mounted directly on truck. Elevator raised to desired height by simple and easily-operated, self-locking raising device.



JOHN DEERE HAND CORN SHELLERS

John Deere One-Hole Hand Sheller

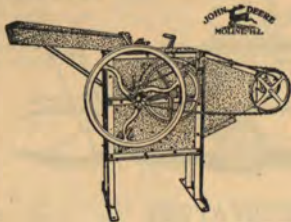
The new John Deere One-Hole Hand Sheller gives you everything you want in a hand sheller. Easy running; fast, clean shelling; freedom from cob breakage; long-lived, all-steel construction — these are outstanding in the John Deere.



No. 1-B Sheller

John Deere Two-Hole Hand Sheller

The John Deere Two-Hole Hand Sheller runs light enough for hand operation and has ample strength for power operation. All-steel construction; quick, easy adaptability for efficient shelling of all kinds of corn, and big capacity are features you'll like.



No. 2-A Sheller

JOHN DEERE NO. 4-A CYLINDER SHELLER

The John Deere No. 4A All-Steel Cylinder Sheller is a low-cost, fast-working sheller that is an ideal investment for the dairyman or stock feeder. It shells from 75 to 175 bushels per hour with a 6-H. P. gas engine, doing a very satisfactory job of shelling. It enables you to shell your own corn when you want it and eliminates the cost of hiring a custom sheller-man.



JOHN DEERE NO. 5 CYLINDER CORN SHELLER

Built especially to meet present day corn-shelling conditions. Special construction permits short-chain drives direct from main shaft without the use of any gears. This means quiet running; only 50 per cent of the chain required on other makes of shellers of this class, and elimination of extra bearings. Genuine John Deere shelling device shells clean, runs easy and is durable. Capacity, 100 to 150 bushels of husked corn, or 25 to 50 bushels of snapped corn per hour; speed, 550 to 575 R. P. M.; power required, 8- to 10-H. P.



NUMBER OF SHRUBS OR PLANTS FOR AN ACRE

Distance Apart	No. of Plants	Distance Apart	No. of Plants	Distance Apart	No. of Plants
3 x3 inches	696,690	4 x 4 feet	2,722	13 x13 feet	257
4 x4 "	392,040	4½x 4½ "	2,151	14 x14 "	222
6 x6 "	174,240	5 x 1 "	3,712	15 x15 "	193
9 x9 "	77,440	5 x 2 "	4,356	16 x16 "	170
1 x1 foot	43,560	5 x 3 "	2,904	16½x16½ "	160
1½x1½ feet	19,360	5 x 4 "	2,178	17 x17 "	150
2 x1 "	21,780	5 x 5 "	1,742	18 x18 "	134
2 x2 "	10,890	5½x 5½ "	1,417	19 x19 "	120
2½x2½ "	6,960	6 x 6 "	1,210	20 x20 "	108
3 x1 "	14,620	6½x 6½ "	1,031	25 x25 "	69
3 x2 "	7,260	7 x 7 "	831	30 x30 "	48
3 x3 "	4,840	8 x 8 "	680	33 x33 "	40
3½x3½ "	3,555	9 x 9 "	537	40 x40 "	27
4 x1 "	10,890	10 x10 "	435	50 x50 "	17
4 x2 "	5,445	11 x11 "	360	60 x60 "	12
4 x3 "	3,630	12 x12 "	302	66 x66 "	10

SUITABLE DISTANCES FOR PLANTING

Apples—Standard.....	30 to 40 feet apart each way
Apples—Dwarf (bushes).....	10 " " " "
Pears—Standard.....	16 " 20 " " " "
Pears—Dwarf.....	10 " " " " "
Cherries—Standard.....	18 " 20 " " " "
Cherries—Dukes and Morellos.....	16 " 18 " " " "
Plums—Standard.....	16 " 20 " " " "
Peaches.....	16 " 18 " " " "
Apricots.....	16 " 18 " " " "
Nectarines.....	16 " 18 " " " "
Quinces.....	10 " 12 " " " "
Currants.....	3 " 4 " " " "
Gooseberries.....	3 " 4 " " " "
Raspberries.....	3 " 5 " " " "
Blackberries.....	6 " 7 " " " "
Grapes.....	8 " 12 " " " "

To estimate the number of plants required for an acre, at any given distance, multiply the distance between the rows by the distance between the plants, which will give the number of square feet allotted to each plant, and divide the number of square feet in an acre (43,560) by this number. The quotient will be the number of plants required.

MILES TRAVELED IN PLOWING AN ACRE

Width of Furrow, Inches	Miles
10	9-9/10
11	9
12	8-1/4
13	7-1/2
14	7
15	6-1/2
16	6-1/6

JOHN DEERE CYLINDER SHELLERS

John Deere Cylinder Shellers are the modern, quality-built shellers that are best adapted to the needs of the custom shellerman, neighborhood shelling ring, and large corn grower. Their bigger daily capacity,

better work, easier operation, longer life, and their adaptability for truck mounting make them leaders in every corn-growing section.

There are three John Deere Cylinder Shellers from which to choose: the No. 9-A, which shells from 75 to 700 bushels per hour; the No. 6 which shells from 150 to 1000 bushels per hour;

and the No. 5, which shells from 25 to 200 bushels per hour.



No. 6 Sheller Mounted on Truck.

JOHN DEERE HAMMER MILL

Now, you can get an inexpensive and economical John Deere Hammer Mill to prepare your own feeds as desired from the crops raised on your farm. The work of this 10-inch mill ranges from the finest grinding for chick or pig mash, to the cracking of corn and the coarser grinding for other classes of live stock. It does an excellent job of preparing feed at remarkably low cost, and its big capacity with a minimum of power consumption is a surprise to every farmer who has seen it in operation.

A John Deere Model "B" Tractor, or any tractor of similar power rating, gives very satisfactory grinding capacities.

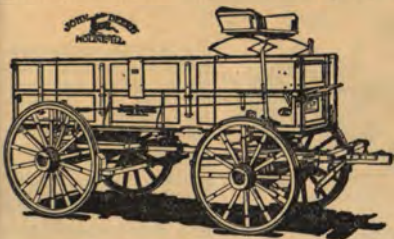


JOHN DEERE STRAW-WALKER THRESHER

Simplicity of construction, high quality of materials, and superior design and workmanship in this thresher are your assurance of clean threshing and saving of the grain. Steel frame and steel sides give great strength with light weight. Steel, waterproof deck, big-capacity, all-steel cylinder, adjustable concaves, aggressive all-steel straw walkers, great separating and cleaning area, and high-grade bearing equipment are other features you want. Furnished in 22x36 and 28x46 sizes.



JOHN DEERE FARM WAGONS



John Deere Guaranteed Wagon

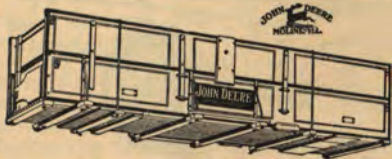
There's no experimenting when you buy a John Deere Wagon. The guarantee on the front endgate of each John Deere Wagon tells you just what you are getting in materials and workmanship.

Wood stock is selected, straight-grained, thoroughly seasoned oak and hickory. John Deere skeins are fitted by special machines which automatically measure the inside of the skein and shape the

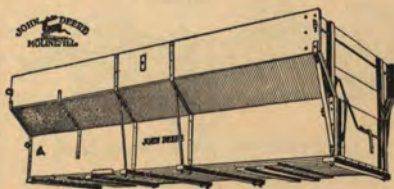
axle to fit each skein individually; they are set in red lead under heavy pressure. Skeins are extra heavy and are sand- and dust-proof. Other standard equipment includes large, steel full circle, 9-1/4-inch flat top bolster stakes with square loops, heavy straight-grain oak square wood front hounds, heavy oak reaches and poles, hickory axles, hickory single-trees, double-trees and neckyokes, oak or hickory spokes, oak hubs, rims and felloes.

JOHN DEERE WAGON BOXES AND SHOVELING BOARDS

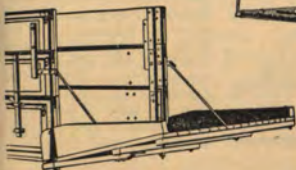
John Deere Wagon Boxes are known for the quality of their materials and finish, the way they retain their rigid alignment after long, hard service. The John Deere method of curing box boards practically eliminates warping or splitting of sides. The John Deere Flare-Type Box is proving very popular for use in hauling corn and small grains. A John Deere box with one-piece sides (not illustrated) is available at a lower price.



Regular Box



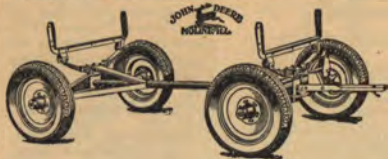
Flare-Type Box



Shoveling Board

John Deere shoveling boards are strongly built of quality materials to give extra years of service.

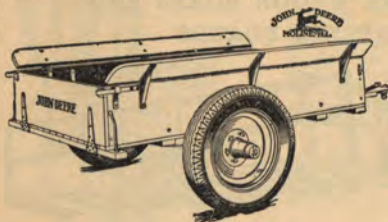
JOHN DEERE TRAILERS AND FARM TRUCKS



John Deere Trailer Gear



John Deere No. 25 Trailer



John Deere No. 20 Trailer Cart



John Deere No. 802 All-Steel Gear



John Deere Farm Trucks, Wood or
Steel Wheels

In addition to the high-grade wagons and wood-wheel gears, previously described, the complete John Deere line of hauling equipment offers you a 4-wheel rubber-tired trailer gear, two 2-wheeled trailers, a lightweight all-steel gear, and a full selection of wood- and steel-wheel farm trucks.

The John Deere 4-wheel trailer gear is built along automotive lines with rubber tires, demountable wheels, Timken taper-roller bearings, and auto-steering. Telescoping reach can be set anywhere from 83 to 131 inches to accommodate all types of beds, boxes, and racks. Just the outfit for rapid field and highway hauling.

The John Deere No. 802 All-Steel Gear is making a real "hit" with farmers who want a lightweight gear with lots of strength. Although it weighs only 600 lbs., it is strong enough for use with tractors. Built low—it is easy to load; hard to tip over. Has a telescoping reach. Auto-steering principle permits short, easy turns.

There is a John Deere Farm Truck for every purpose. All wood trucks have hickory axles, and the higher-priced trucks have round truss rods. All wood stock is air-seasoned. Best of workmanship and finish. All paints used on John Deere Gears, Trucks, and Boxes are ground in the John Deere mills, and tested in the John Deere laboratories. When you purchase a John Deere, you are sure of getting a finish that is uniform and durable.



John Deere Factories

John Deere Plow Works, Moline, Illinois.

Steel Plows of all types, Disk Tillers, Listers, Damming Equipment, Cultivators and Spike-Tooth Harrows.

Deere & Mansur Works, Moline, Illinois.

Corn Planters, Cotton Planters, Endgate Seeder, Disk Harrows and Stalk Cutters.

John Deere Tractor Company, Waterloo, Iowa.

Farm Tractors, Stationary and Portable Engines.

John Deere Wagon Works, Moline, Illinois.

Wagons and Trucks — Standard types and sizes, Trailers, Wagon Boxes, Beet and Bean Tools, Rotary Hoes, Vibrator Fertilizer Distributors, Stalk Cutters, Rod Weeders.

John Deere Harvester Works, East Moline, Illinois.

Grain Binders, Corn Binders, Rice Binders, Corn Pickers, Combines, Threshers, Field Ensilage Cutters and Blowers, Mowers, Knife Grinders, Self-Dump Rakes, and Hay Harvester and Loader.

John Deere Spreader Works, East Moline, Illinois.

Manure Spreaders, Corn Shellers, Grain Elevators of all types and Hammer Mills.

Van Brunt Manufacturing Company, Horicon, Wis.

Grain Drills and Seeders of all kinds, Fertilizer Attachments for Grain Drills, Lime and Fertilizer Distributors, Stiff- and Spring-Tooth Field and Orchard Cultivators and Calcium Chloride Distributors.

Dain Manufacturing Company, Ottumwa, Iowa.

Side-Delivery and Sweep Rakes, Hay Loaders, Hay Stackers, Stationary, Power Take-Off, and Windrow Pick-Up Hay Presses, Kafir Headers, Concrete Mixers and Pump Jacks.

Syracuse Chilled Plow Co., Inc., Syracuse, N. Y.

Chilled Plows, Spring-Tooth Harrows and Weed Destroyers, Potato Machinery, Grape and Berry Hoes, Contractors' Plows.

Union Malleable Iron Company, East Moline, Ill.

Malleable Iron Castings for John Deere Factories, Clevises and Specialty Castings and Heald's Riveted and Detachable Chains.

John Deere Plow Co., Ltd., Welland, Ont.

Implements for the Canadian Farm Trade.

Killefer Manufacturing Corp., Los Angeles, Calif.

Deep-Tillage Farm Implements, Cover-Crop Disk Harrows.

1940

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