



THE
JONES
LEVER
BINDER

LEVER
POWER
MAKES
EIGHT
DRAFT



LIGHT
RUNNING

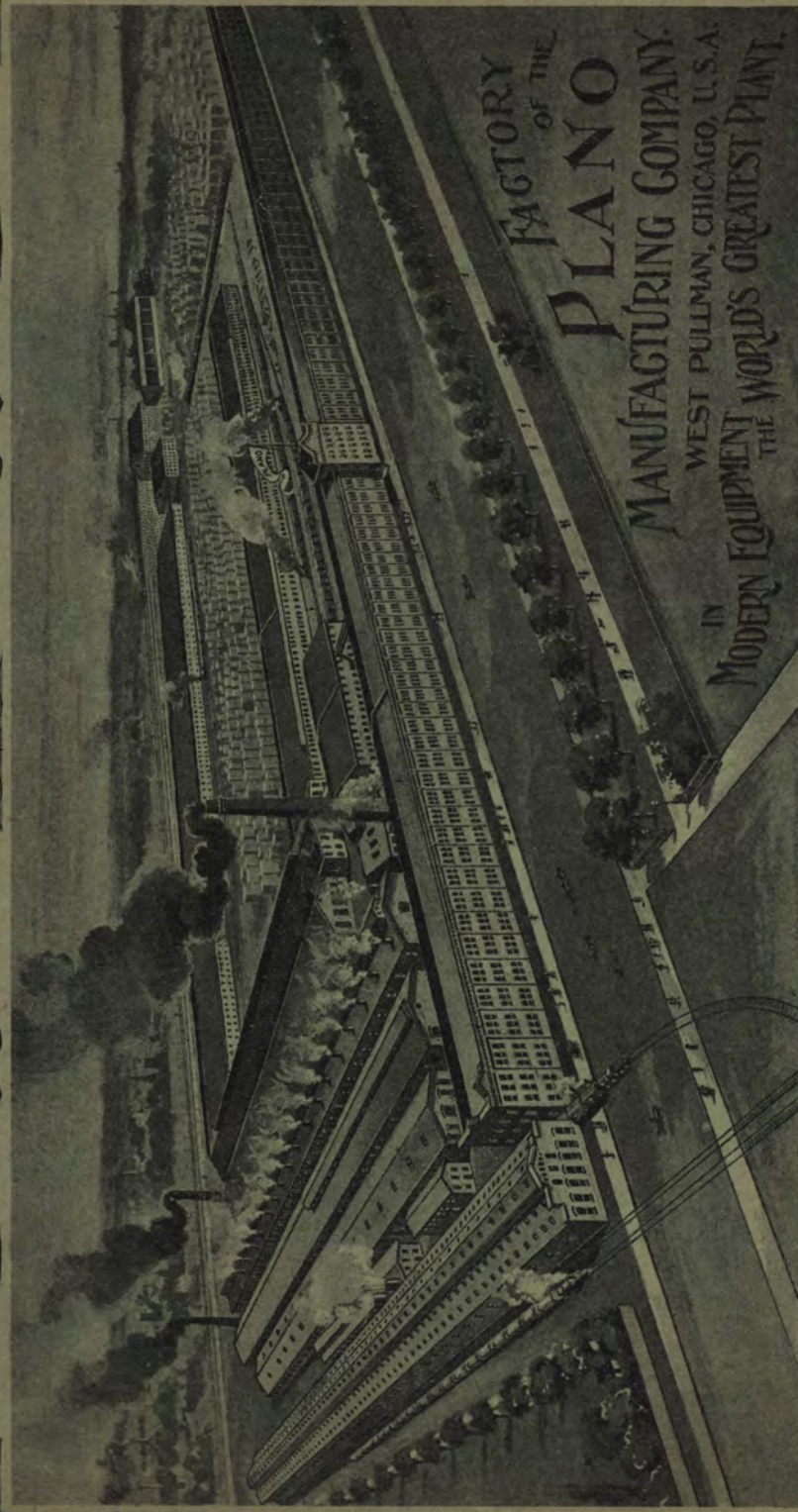
PLANO

BINDERS
MOWERS
HEADERS
REAPERS
HAY RAKES
SICKLE GRINDERS.

THE PLANO MFG CO.
CHICAGO, U.S.A.

The
Magnificent
Factory of the Plano Manu-
facturing Company for Completeness and
Detailed Perfection is unsurpassed anywhere
in the world.—*Farm Imple-
ment News, Chi-
cago.*

No
Company in the
World has done more During
the Past Ten Years to Advance, Improve and
Bring to a Point of Perfection, Harvesting Ma-
chinery, than the Plano.—*Trade
Journal, Kansas
City.*



FACTORY OF THE
PLANO
MANUFACTURING COMPANY.
WEST PULLMAN, CHICAGO, U.S.A.
IN MODERN EQUIPMENT THE WORLD'S GREATEST PLANT.

It
would take a
Volume to Describe the many
Improved Machines and Ingenious Devices for
Saving Labor and Doing Perfect Work found
in the Plano Factory.—*Farm
Implements, Minne-
apolis.*

The
Plano Manufac-
turing Company is known in
every City, Town and Cross-roads in the United
States, Europe and South America for its Enter-
prise and Financial Strength.
*Farm Machinery, St.
Louis.*

18TH ANNUAL GREETING



WITH the dawn of a new century, we make our Eighteenth Annual Greeting to the farmers of the world, with an expression of gratitude for their friendship and confidence in LIGHT RUNNING PLANO MACHINES, which have enabled this Company to leave on a tablet of the closing century a record for growth unparalleled in the history of harvesting machinery.

To meet this demand, factory extensions have been an annual necessity, until the great PLANO plant has reached the wonderful proportions shown on opposite page; unsurpassed in modern equipment and perfect facilities for manufacturing. It is manned with the highest grade of inventive genius and mechanical skill, and has given to the farmer many of the most valuable improvements of the age, bringing PLANO machines to a point of simplicity and perfection which has attracted the attention of the world.

We rejoice that our machines have given such universal satisfaction. We propose to continue to be mindful of the farmer's welfare. Our constant aim is to make machines as simple as possible, yet complete enough to do their work perfectly, and substantial enough to insure long wear. There are no "fake" riggings on PLANO machines, put on simply to catch the farmer's order. The officers of this Company were all farmers' boys, and have a practical knowledge of his requirements. They recognize that the farm is the very foundation of all industry, and adopt only such improvements as are of material value and merit approval.

THE PLANO MANUFACTURING COMPANY, CHICAGO, ILL., U. S. A.



AN AMERICAN HARVEST SCENE ON A BONANZA FARM OF 8,000 ACRES WHERE PLANO MACHINES ARE EXCLUSIVELY USED; EIGHTY OF THEM IN OPERATION. AFTER TRYING ALL OTHERS THE JONES LEVER BINDER WAS FOUND TO BE THE BEST.

THE JONES LEVER BINDER

Archimedes, the great Greek philosopher, once said:
'Give me a Lever and a place on which to rest it,
and I will move the world.'



THESE TWO HORSES PULL THE JONES LEVER BINDER

WITH the aid of Lever power, easier than three horses pull any other Binder. It possesses more exclusive patented features than all other Binders combined, which have made it famous throughout the world, the most notable being its simple 16-piece KNOTTER, the JONES STEEL LEVER, the JOINTLESS MAIN FRAME, the PLANO FLY-WHEEL, the FRICTION CLUTCH REEL, and the PLANO CARRYING SPRING. Made of steel and malleable iron, it possesses enduring qualities never before attained in a Harvesting Machine; no cheap castings, no weak spots.



THE JONES LEVER BINDER

IS THE HIGHEST ATTAINMENT OF THE AGE—A MARVEL OF SIMPLICITY
AND A MODEL OF SYMMETRY, BEAUTY AND STRENGTH



IT HAS ACHIEVED SWEEPING VICTORIES



IN hundreds of actual field contests, which have made it the acknowledged favorite of the world. For simplicity, durability, adjustability, lightness of draft and ease of management, it has no equal. Its STEEL LEVER displaces the train of cumbersome cog wheels used on other machines, lessens the weight and simplifies the work. It has the simplest KNOTTER in the world, the most vital part of a Binder. Its powerful CARRYING SPRING doubles the life of the machine and makes it ride easy. Its REEL, with our Patent Friction Clutch, will not break like other Reels when striking a limb of a tree or obstruction in the grain. It is a modern, simplified machine, up-to-date—just what the farmer wants.



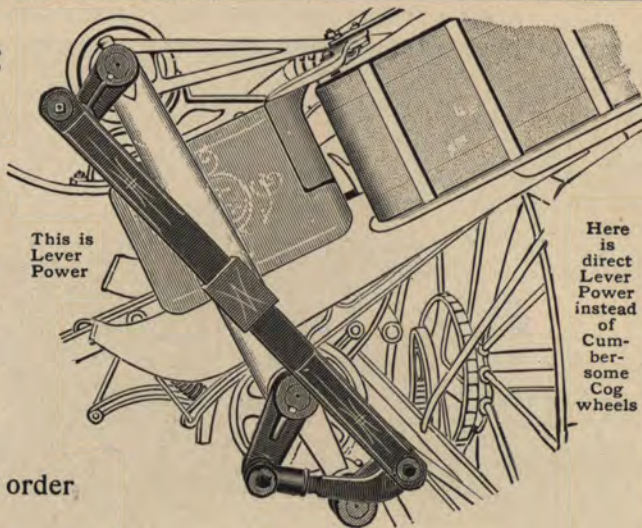
THE JONES LEVER

No Wear Out

TO THIS

STEEL LEVER

No Springs
No Cog Wheels
No Waste Power
No Delicate Parts
Nothing to get out of order



THE JONES LEVER BINDER

With its Novel and Simple Lever Movement, INCREASES POWER

by increasing leverage, applying greatest power at the moment of heaviest strain—when compressing, tying and discharging the bundle—making the draft of the entire machine steady, uniform and light all the time—*No Jerks; No Jars.* This is an old recognized principle of power, as simple as the wedge or screw, but it was left to the Plano Manufacturing Company to apply its usefulness to a Binder for the farmer, and is acknowledged to be one of the greatest triumphs ever achieved in the Binder business.



THE
WEDGE



THE
SCREW

THE
LEVER
GIVES
GREATEST
POWER



LEVER
POWER
ON THE
JONES
LEVER BINDER
MAKES
LIGHT DRAFT

Direct Lever Power a
Wonderful Improvement
over Cumbersome
Cog Wheels.

"When I got through cutting my field with a JONES LEVER BINDER it looked as though it had been shaved. There wasn't a single loose bundle. I have used four different binders, but none of them equal the JONES LEVER. With direct Lever Power draft is always light, uniform, and steady."

R. L. STAHLNECKER,
BROADHEAD, WIS.

ALL EYES
TURNED
TOWARD
THE
JONES
LEVER

Up to
Date

THE JONES LEVER

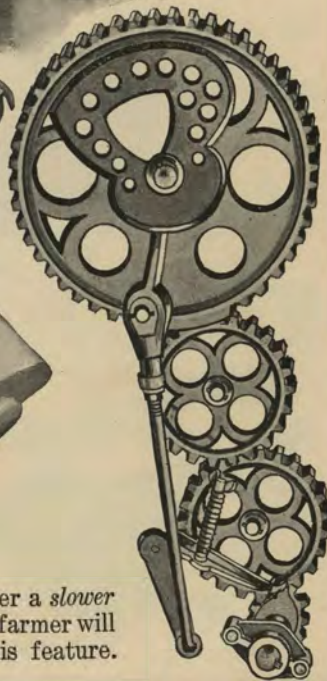
GENIUS IN HER FIRST ENDEAVOR,
USED COG WHEELS WITHOUT THE LEVER,
BUT LATER, WHEN SHE LEARNED THE ART,
DISCARDED MANY A USELESS PART.

The
Jones
Lever
Binder

Simple
Durable
Powerful

Compare these
Cumbersome
Complicated
Cog Wheels with
THE SIMPLE
JONES LEVER

Completes the revolution in the same time as usual, but the Knotter moves slower, and the Discharge Arm travels faster in discharging the sheaf. It is thus as *rapid* as any Binder, yet gives the Knotter a *slower* movement, which insures perfect knot-tying. Every farmer will understand at once the very great advantage of this feature.



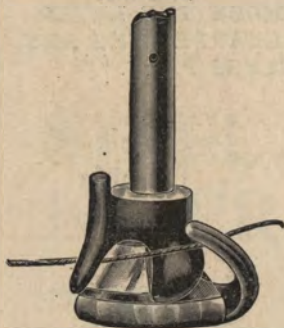
A FAMILIAR EXAMPLE OF LEVER POWER

LEVER POWER
MAKES
LIGHT DRAFT

LEVER
POWER
MAKES
LIGHT DRAFT

THE JONES LEVER KNOTTER

A PLANO PATENT
(Exclusive)

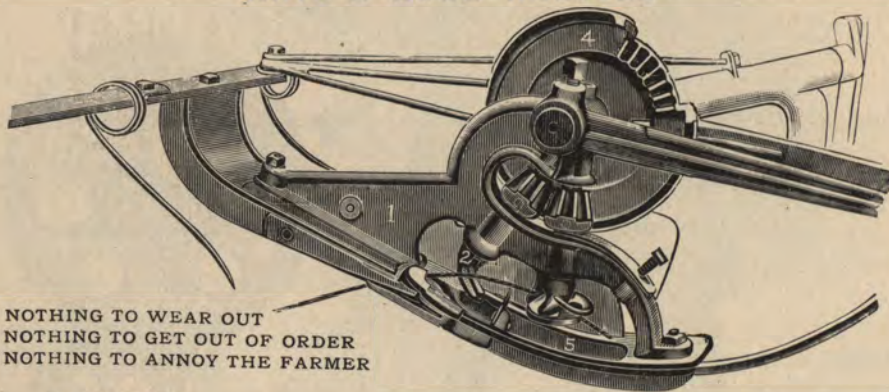


A Cord Holder with Chilled
Wearing Surfaces.

The Simplest and Only Sure Knotter Known

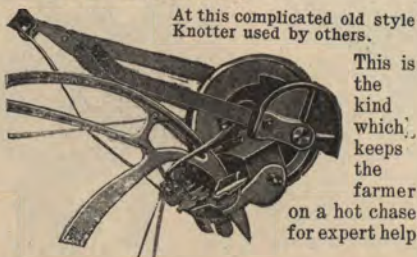
THE wearing surface of The Plano Cord Holder is *chilled* both above and below, manufactured under a patent process. The surfaces are as hard as glass itself, and cannot be worn out during the lifetime of a machine. It is so shaped that straws and waste twine cannot wind around it. These features are a positive guarantee against Knotter getting out of order. On a test it has tied 391,000 bundles (equivalent to 1,628 acres) without a miss, and at the finish was in such perfect adjustment that it tied knots with No. 30 cotton thread. See sworn statements on the opposite page.

THIS MEANS THAT A FARMER CAN CUT A HARVEST
OF 100 ACRES A YEAR FOR 16 YEARS AND STILL
HAVE A GOOD KNOTTER



NOTHING TO WEAR OUT
NOTHING TO GET OUT OF ORDER
NOTHING TO ANNOY THE FARMER

LOOK...



At this complicated old style
Knotter used by others.

This is
the kind
which
keeps
the
farmer
on a hot chase
for expert help

The Jones Lever Knotter

has no equal in the world for simplicity and perfect work. It is the only Knotter that will tie whole harvests without missing a bundle. Cuts only one cord and wastes less twine than any other knotter.

Large or small twine, with knots
or without knots, cuts but little
figure with its faultless tying.

THE
JONES
LEVER
KNOTTER
SAFE
SURE
AND
DURABLE

IT
BINDS
WHOLE
HARVESTS
WITHOUT
MISSING
A
BUNDLE

THE
SIMPLEST
IN THE
WORLD

PLANO FACTS FORTIFIED

The Plano's Jones Lever Binder

Ties 391,000 Bundles, Equivalent to
1,628 Acres, without a Miss or Percep-
tible Wear, and Good for as Many More.

The Most Perfectly Adjusted Knotter in the World—Does Faultless
Work with Anything, from Cotton Thread to
Coarsest Twine.

LIGHT RUNNING
PLANO
MACHINES
ARE
UP
TO DATE

A WONDERFUL RECORD CONFIRMED BY SWORN AFFIDAVITS.

STATE OF ILLINOIS, }
COUNTY OF COOK. } ss.

I hereby certify that I have run one single JONES LEVER BINDER ATTACHMENT in the factory of The Plano Manufacturing Company, at West Pullman, Chicago, a great part of the time for three consecutive months, and during that time I have bound with it a total of 391,000 bundles, using various kinds of twine, with tight tension, and all without any adjustment or change of parts except tightening the cord-holder spring, and that the Binder worked perfectly from first to last. I also state that so far as I could see there was no perceptible wear on any of the parts.

E. R. Williams
Binder Expert.

I hereby certify that the Binder referred to in above certificate was operated and bound bundles as stated, and that the statement therein made is true.

Chris C. Breuscher
Foreman Binder Erecting Department.

I hereby certify that I have thoroughly examined all the parts of the JONES LEVER BINDER above referred to, especially the Knotter, and that there is very little wear on the cord-holder, knotter-frame, or any of its working parts, and that the Binder is in good condition and apparently would bind 391,000 bundles more as perfectly as before.

Furthermore, as a test, I have just put in a number 30 cotton thread and find that it ties knots perfectly, thus showing the close adjustment of the cord-holding and tying mechanism.

S. K. Dennis
Master Mechanic.

I hereby certify that the above statements made by our Master Mechanic, Foreman of Binder Room, and Binder Expert are true and correct to my own personal knowledge.

J. O. Morris
Superintendent.



STATE OF ILLINOIS, }
COUNTY OF COOK. } ss.

I, E. J. Taylor, a Notary Public in and for said County and State, DO HEREBY CERTIFY that E. R. Williams, Chris C. Breuscher, S. K. Dennis, and J. O. Morris personally appeared before me, and each being duly sworn, stated that the certificate subscribed to by him is true.

E. J. Taylor
Notary Public.



THE JONES LEVER KNOTTER



PLANO—16 Pieces

A Searchlight turned on Knotters shows the JONES LEVER KNOTTER to be the simplest in the world.



B.—50 Pieces

ONE HALF LESS PIECES THAN ITS SIMPLEST RIVAL



D.—44 Pieces

WE present the proof of our claim herewith by giving a perfect illustration of all parts of our own Knotter as well as those of leading competitors. Count the pieces in each and be your own judge. The JONES LEVER KNOTTER, with only sixteen pieces, counting rivets and all, is a marvel of simplicity and perfection. There is nothing to compare with it.



M.—37 Pieces



Mc.—23 Pieces

Simplicity
is the
Essence of
Perfection



C.—33 Pieces

FARMERS' OPINIONS



OF PERFECTED PLANO PRODUCTS

A Jones Lever Binder Cuts 700 Acres Without Missing a Bundle.

I am very much pleased with the Jones Lever Binder. We have cut 700 acres, and the Binder has not missed a bundle.

OTTO BROS.,
Great Bend, N. D.

The Jones Lever Binder Cuts His Harvest of Over 100 Acres Without Missing a Bundle.

The Jones Lever Binder does its work in every respect to perfection. I cut over 100 acres of all kinds of grain with it this year and it has not missed a bundle.

R. BACH, Rochester, Minn.

Has Cut 1,500 Acres With a Jones Chain Mower Without a Cent of Expense for Repairs.

I have used a Jones Chain Mower for three years, cutting 500 acres each year. Two years ago I bought another one, and have never broken anything on either. With me it is a case of "hitch on and go." They are the most powerful cutters and lightest running machines I ever saw.

D. P. WOOD, Newtown, Mo.

No Backing Up in the Grass or Expense for Repairs With the Jones Chain Mower.

I have used the Jones Chain Mower since '96, cutting an average of over 100 acres a year. I consider it the lightest draft Mower made. I have had no trouble or expense for repairs. It will start anywhere without backing or choking.

I. N. BULL, Wolcott, Ind.

Would Not Take \$500 for His Jones Lever Binder if He Could Not Buy Another.

I think this much of the Jones Lever Binder, that if I could not buy another, I would not take \$500 for it.

OLAF OLSON, Gifford, Ill.

The Jones Lever Binder Always Leads Its Competitors in a Contest.

The Jones Lever Binder in a field trial here cut the farmer's entire crop without missing a bundle, and left two leading competitors languishing in the shade of a Georgia pine.

SANDERS MANFG. CO., Dalton, Ga.

The Jones Lever Binder is so Perfectly Balanced that the Neck-Yoke is Removed While a Trip is Made Around the Field.

The Jones Lever Binder is undoubtedly the lightest machine made. I surprised my neighbors by taking the neck-yoke off while I drove around a 20-acre field, which was a little hilly. The machine kept right up to the wheat. No side draft or neck weight.

W. WERRE, Wine Hill, Ill.

No Wonder There Are More Jones Steel Headers Sold Than There Are of All Other Headers Combined.

We cut a harvest of 500 acres with a Jones Steel Header this year, and it went through it like a prairie fire. It is very light draft, and always ready for a full day's work. No expense whatever for repairs.

P. C. MINER,

A. B. FULKERSON,

Hill City, Kan.

THE ABOVE ARE SPECIMENS OF THOUSANDS OF TESTIMONIALS RECEIVED FROM FARMERS WHO ARE USING LIGHT RUNNING PLANO MACHINES.

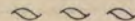
PLANO STEEL MAIN WHEEL AND FRAME

The PLANO STEEL MAIN WHEEL

Is the Best Wheel Ever Made

A Wide Tire
A High Wheel
A Continuous Spoke
A Giant in Strength

Heavy Steel Lugs Clear Across a Ten Inch Tire Insure Powerful Traction. Warranted to Wear Longer Than Any Other Wheel Made.



The Jones Lever Binder Main Frame is all ONE PIECE

THIS saves much valuable time in "setting up," which other machines require, and insures the farmer against loose bolts, or any part of his machine becoming loose and out of line. The endless mass of bolts and parts used in the formation of other frames we have reduced to the compact, rigid construction of one simple entirety of excessive strength. No joints to weaken it. It can never be twisted out of line.

THE JONES LEVER BINDER MAIN FRAME—A Solid Foundation, Powerfully Braced at Every Point

The entire Frame, extending from the grain wheel to the Binder, is solidly riveted together and is sent from the factory in ONE PIECE.

ALL STEEL BOTTOM

THE PLANO STEEL MAIN WHEEL AND FRAME ARE PUT TOGETHER AND ADJUSTED WITH THE GREATEST EASE

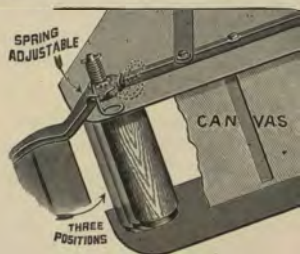
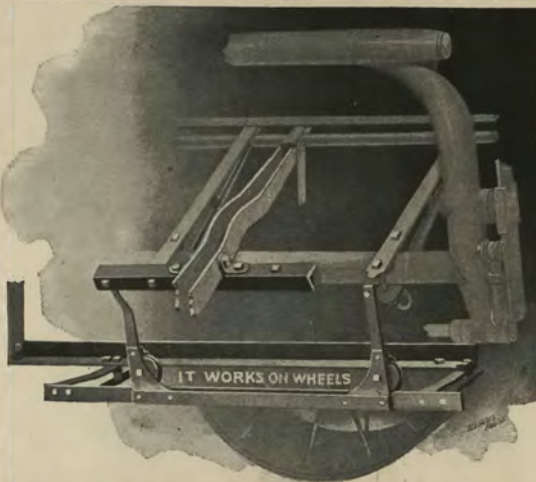


THE PLANO BINDER SHIFTER

IT is a device of unmatched merit; the Binder is easily shifted from the driver's seat to an extreme position backward or forward; moves back and forth on rollers with such perfect smoothness and uniformity that a ten-year-old boy can operate it.

The Plano Spring Adjuster Always Makes a Perfect Sheaf

The spring yields as the canvas shrinks, when wet from dew or rain, and takes up slackness as it stretches, affording a uniform tension all the time and insuring faultless working under all the varying conditions. Canvas can be loosened when not in use or when you want to buckle it. The canvas is special-make heavy duck, for long wear.



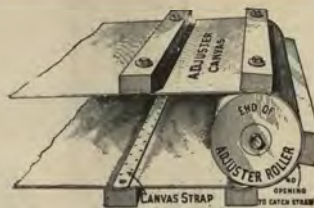
Plano Cupped End Adjuster Roller, Preventing the Wrapping of Straw around the Ends, so common with other Adjusters



Works on a Steel Journal Running Its Entire Length

The kind found on other machines, with poor canvas, no concave slats or leather reinforcements to make it strong.

Section of Plano Adjuster Canvas Showing Concave



Slats which hug the adjuster roller closely, making it proof against straw-gathering. Notice how the heavy canvas is reinforced with a leather strap across each slat, insuring great strength and long wear.



This is the Cheap, Straw-Gathering, Clogging Kind

"YOUR ADJUSTER DOES NOT ADJUST"

THE PLANO ADJUSTER NEVER CLOGS LIKE THIS



NO CLOGGING STRAW NOR FLOPPING ENDS WITH THE JONES LEVER BINDER

PLANO GRAIN SAVING REEL

SINGLE LEVER Double Movement

THE Jones Lever Binder has the most easily operated and perfectly adjustable REEL ever put upon a Harvester, handled by one single lever. Spring balanced, it is adjustable in an instant to any position by the slightest touch. There is positively no lost motion or sagging. It is utterly impossible for any of its gears to be sprung out of mesh.

It is formed of a cold-rolled steel shafting. The long bolt which connects the whole Reel action to the frame is of cold-rolled steel, rigid, strong and absolutely true. The Reel shafts and all bearing parts large and strong.

IT always places the grain in the right spot. Separates long grain to perfection; has no equal in long, tangled grain; and does just as good work in short grain. It is the only Reel with a patent Friction Clutch, which obviates the possibility of expense for broken Reel-fans and arms and delays in the field when time is valuable.

Both the Reel and Tilting Lever of the Jones Lever Binder have a Patent Three-Cog Ratchet, affording greatest strength and finest adjustability.



THE THREE-COG RATCHET LEVER

PLANO FRICTION CLUTCH

I HAVE A PLANO
FRICTION CLUTCH
REEL
AM ALL RIGHT

YOU BET
I'LL HAVE A
JONES LEVER BINDER
WITH A
FRICTION CLUTCH
REEL
NEXT TIME



He had no
Plano
Friction
Clutch



The Plano Friction Clutch

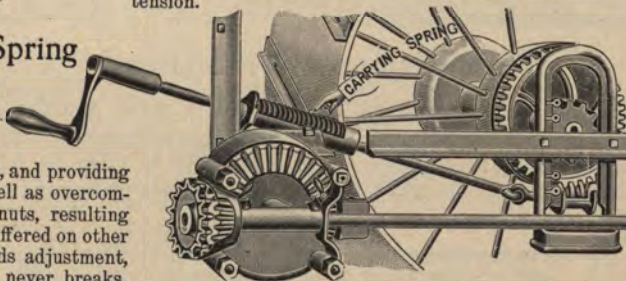
Prevents breakage when the Reel strikes a tree or meets any obstruction in or out of the grain. It permits the Reel to stop or turn backward. Other reels break, but the Plano Reel NEVER.

Rocking Lever Twine Tension

A simple, yet wonderful invention. It is self-adjusting to all sizes of cord. It will permit knots to pass through without affecting the tension. It is the only absolutely perfect Tension made. Nothing causes the farmer more annoyance in the field than an imperfect tension.

The Plano Carrying Spring

The JONES LEVER BINDER rides on a Powerful Carrying Spring, protecting it from the jerks and jars of a springless frame, adding years to its life, and providing comfort to its operator, as well as overcoming the possibility of loose nuts, resulting from constant vibration, as suffered on other machines. Spring never needs adjustment, never gets out of order, and never breaks.



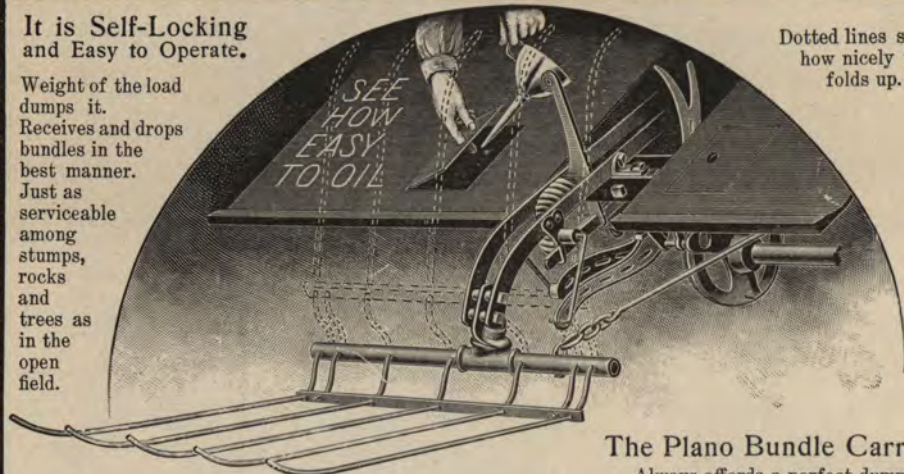
REAR VIEW SHOWING FAULTLESS RAISING AND LOWERING DEVICE.

A
Familiar
Friction
Clutch

THE PLANO BUNDLE-CARRIER

It is Self-Locking
and Easy to Operate.

Weight of the load
dumps it.
Receives and drops
bundles in the
best manner.
Just as
serviceable
among
stumps,
rocks
and
trees as
in the
open
field.



Dotted lines show
how nicely it
folds up.

The Plano Bundle Carrier
Always affords a perfect dump.

The Plano Outside Divider

Has greater strength and better shape for separating
grain than any other made. Like all other parts of the
JONES LEVER BINDER, it does its work perfectly.



The Plano Grain Wheel

Has the widest tire
and is made on the
strongest form
known. It will
never go
down.

The Platform Wind-Board

Is made of Wood instead of cloth as on other machines.
Will never wear out. It is adjustable for shortest or
tallest grain by a touch of the driver's foot. Can be let
down entirely to make the machine a wide open cut for
long, heavy grain.

The lip of the hook does not come in contact
with the sprockets or chain tightener rollers,
and cannot be worn off as on other chains.



THE
PLANO
PATENT
ELEVATOR
CHAIN

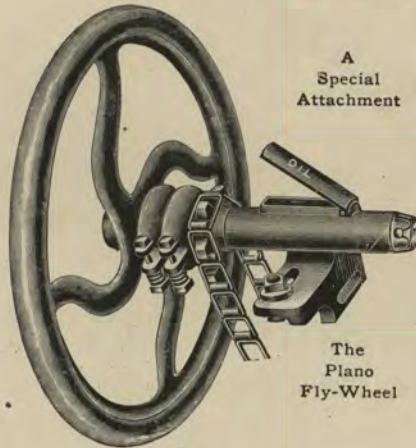
A scientific
construction
which affords
greater
strength and
longer wear
than any
other chain.

SEE
THAT
HUMP!

PLANO'S FAMOUS FLY-WHEEL

STORED POWER

This Valuable Attachment is furnished ONLY with the JONES LEVER BINDER



GOVERNED POWER

Agents and Farmers should remember that this Attachment will not in any case be furnished except at an additional cost of \$5.00.

THE Plano Fly-Wheel has a world-wide reputation, and is an *exclusive* Plano feature, fully covered by patents. Years of practical tests in the field have proven its great value. In all mechanical works of classical engineers on storage of power the Fly-Wheel is pointed out as a conspicuous example. To prove its worth and power, ask the farmer to take it off his corn sheller, his feed cutter, or his hay press, and note the result; the printer to take it off his printing-presses; the engineer to take it off his engine.

All these and many other machines would be totally disabled without the Fly-Wheel. Then why is not the Fly-Wheel a valuable application to a Harvester and Binder? When once used it becomes indispensable. It is a scientific principle which cannot be talked down. Any logical mind can realize at once the overwhelming advantages it has on a Binder.

Many Reasons why the Fly-Wheel

Is a Valuable Attachment to a Harvester and Binder

It causes a Binder to work with even, steady motion over rough, uneven ground.
It causes a bundle to be bound tightly without checking the motion of machine.
It causes a Binder to run lightly over soft ground, where it would otherwise mire.
It causes a Binder to remain in motion while turning a corner.
It causes a bundle to be bound and discharged after the team stops, leaving the sickle and canvases always absolutely clean.

THERE IS STORED POWER IN THE MERRY GO-ROUND



Mid-Winter Delivery of Plano Machines at Covington, Ohio, 1899.

PHOTOGRAPHIC SNAP-SHOTS of PLANO DELIVERIES MADE BY THE THOUSAND BY PLANO AGENTS IN 1899



Plano Machines forge Their Way to the Front at Groton, So. Dak.



Plano Day at Chase, Kansas, 1899.



Plano Makes Largest Public Delivery on Record, at Greenville, Ohio, June 3, 1899.



Plano Makes Largest Delivery Ever Made at Arlington, Ohio, May 27, 1899.



Plano Makes Largest Delivery Ever Made at Grapevine, Texas, May 20, 1899.



Plano Makes Largest Delivery at New Lisbon, Ind. Ever Made in the State, May 18, 1899.

THE LARGEST EVER KNOWN IN THE WORLD OF IMPLEMENT TRADE



Nearly a Mile of Plano Machines Delivered to Farmers at Parkston, So. Dak., July 14, 1899.



Forty-seven Plano Machines Delivered at Butler, Ohio, May 20, 1899.

THEY PROVE
CONCLUSIVELY
THAT
LIGHT RUNNING
PLANO HARVESTING
MACHINES
ARE TO-DAY THE MOST PERFECT &
POPULAR LINE IN THE WORLD.



Plano Makes Largest Delivery at Wilton, Wis. Ever Made in the State, June 3, 1899.

Farmers Make a Stampede to Plano Machines at York, Neb.

THE PLANO SICKLE GRINDER

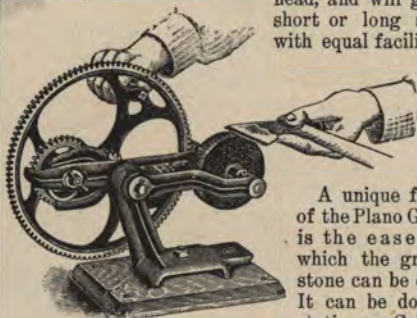
is the **SIMPLEST** and **ONLY**
RELIABLE GRINDER in use

IT can be operated by the most inexperienced. All the farmer has to do is to adjust the sickle to the Grinder, turn the crank, and the machine does the rest. A sustaining spring carries the entire weight of the emery wheel in its upward movement. It is self-aligning on the sections. The emery wheel is given a high speed, with a rapid, vibrating movement the whole length of the section, which prevents the possibility of heating the knife. It is adjustable to a thick or thin bar, or any size sickle head, and will grind a short or long section with equal facility.

SOLD
BY ALL
PLANO
AGENTS



THE PLANO SICKLE GRINDER READY FOR BUSINESS.



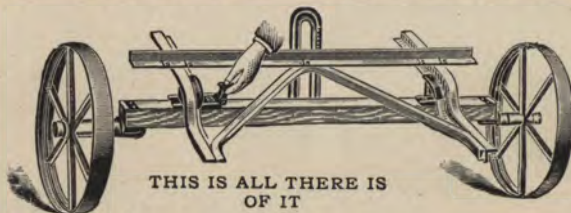
ADAPTABILITY FOR GENERAL GRINDING.

A unique feature of the Plano Grinder is the ease with which the grinding stone can be changed;

only the removal of two cotters is necessary. It can be done in a minute, and the machine is converted into a stationary Grinder. This change affords the user of the Plano Grinder an advantage not found in any other similar machine; viz., he can transform it into a machine for general use, as shown in illustration, such as the sharpening of fine tools, scythes, axes, household cutlery, etc., thus making the Plano Grinder not only a necessity in harvest time, but a useful article in the tool-house or kitchen the year round. A special Emery Wheel is furnished for this change. Price of entire machine, \$6.00, f. o. b. factory. Sold by all Plano agents, and fully warranted.

THE PLANO TRANSPORT

IS A
TWO-WHEEL
TRUCK
BUILT ON
COMMON-
SENSE
PRINCIPLES



THIS IS ALL THERE IS
OF IT

For
transporting
the Jones Lever
Binder from
farm to farm or
field to field.

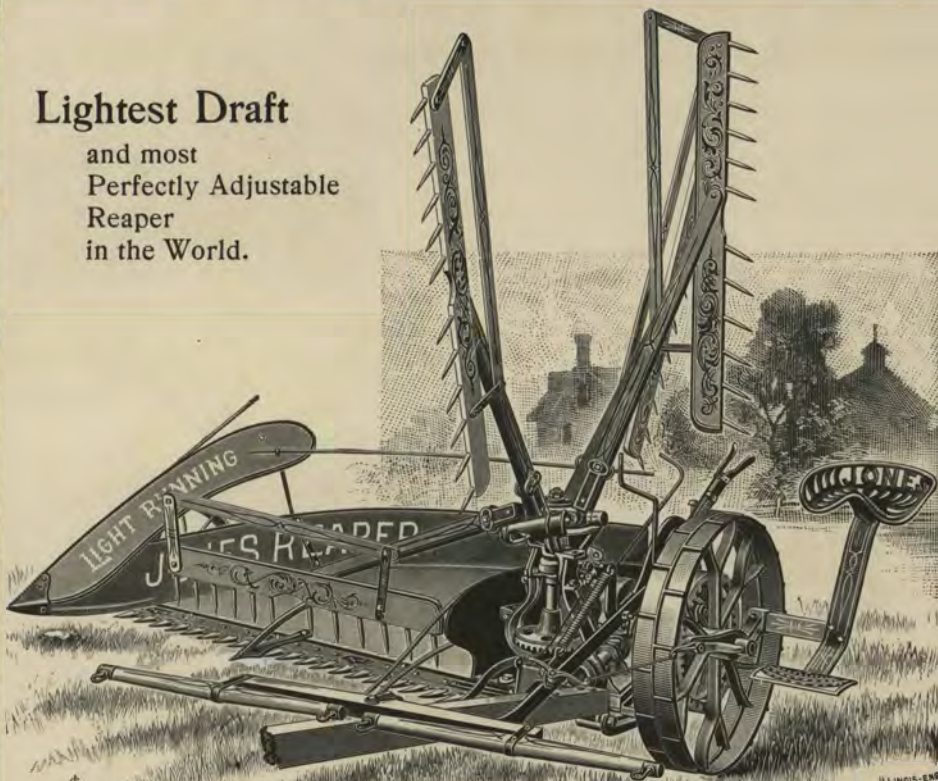
SIMPLEST, strongest, most durable, easiest loaded, easiest unloaded, and best truck ever made. To load it, you simply raise the machine to highest point on side castings, put axle under from front side, slide front support casting to place on cutter bar, secure with catch as shown in cut, hook tongue to outer end of platform, and you are ready to go, all in five minutes. Thus, it may be seen, the JONES LEVER BINDER is the easiest of all machines to mount upon its truck.

THE PLANO SICKLE GRINDER
ONCE USED
BECOMES INDISPENSABLE
ON THE FARM.

LIGHT RUNNING JONES REAPER

Lightest Draft

and most
Perfectly Adjustable
Reaper
in the World.



THE ONLY SPRING-BALANCED REAPER MADE

The . . .
JONES REAPER

Can be tilted

Farther Forward,
arther Back,
arther Down,
arther Up

Than any other Reaper, and
is operated with
ONE LEVER

ALL tilting and raising and lowering Levers are within easy reach of the driver's seat. The Platform is so trussed that it will never sag. It folds up easily, and is provided with a bracket and removable seat to permit its passage through narrow gateways and over narrow bridges. It is an up-to-date REAPER, without an equal in the field, and is fully warranted.

ILLINOIS-CHICAGO

THE JONES CHAIN MOWER

IT is noiseless, light running, keen cutting; has every improvement known to a grass-cutting machine, and is without an equal. In thousands of meadows throughout the civilized world this simple Mower, with its powerful cutting qualities, has won supremacy for perfect work. With it we challenge the world, and authorize all Plano agents to meet any competitor in a field contest. It is annually sold by tens of thousands, and every owner will tell you "*It is the most perfect machine on the farm.*" No delicate toy fixtures or ball bearings to take out and clean and tinker with. Everybody knows that *the sprocket and chain* produces far less friction than cog wheels, that they are longer lived, that the application of power is more direct. This is a scientific fact. Harvesters and Binders used to have cog wheels. They are now chain-drive. Why? Because of its superior advantages. Who introduced the Chain-drive Harvester? The Plano Manufacturing Company. Who fought and denounced the chain-drive principle on harvesters? Our competitors! But they were forced to follow in the path of the Plano, and would gladly offer a Chain-drive Mower to-day if they could purchase the right to manufacture.



**No
Cog Wheels
To
Wear
Out**

**With
Chain Drive
Power
is
Direct**

There are no gears in the JONES CHAIN MOWER to wear out, no lost motion, no vibration, no noise. The bearings are always tight. All the power is applied directly to the result—*cutting grass*. Geared mowers may work well enough when they are new and the gear fits closely, but they soon begin to wear, lost motion occurs, and then the farmer needs a new mower. We do not recommend a geared mower, but can supply it if you want one.

One of the leading Implement Journals of America says editorially:

"The Plano Manufacturing Company, Chicago, is distancing all competitors with its popular JONES CHAIN MOWER, the lightest draft and longest-lived mower made. It is everywhere taking the lead over the old type of geared mowers. The most expert mechanical engineers have abandoned cog wheels and adopted the sprocket and chain where direct power with the least friction is required. A striking example is the use of sprocket and chain power on the great Ferris wheel. Also on mammoth ditching machines, traction engines, etc. This, beyond a doubt, proves its strength. Where speed and light running are required, the use of sprocket and chain is cited on bicycles. These are scientific facts which cannot well be talked down by competitors of the JONES CHAIN MOWER."



MADE BY
THE PLANO MFG. CO.
CHICAGO, U.S.A.

THE JONES CHAIN MOWER



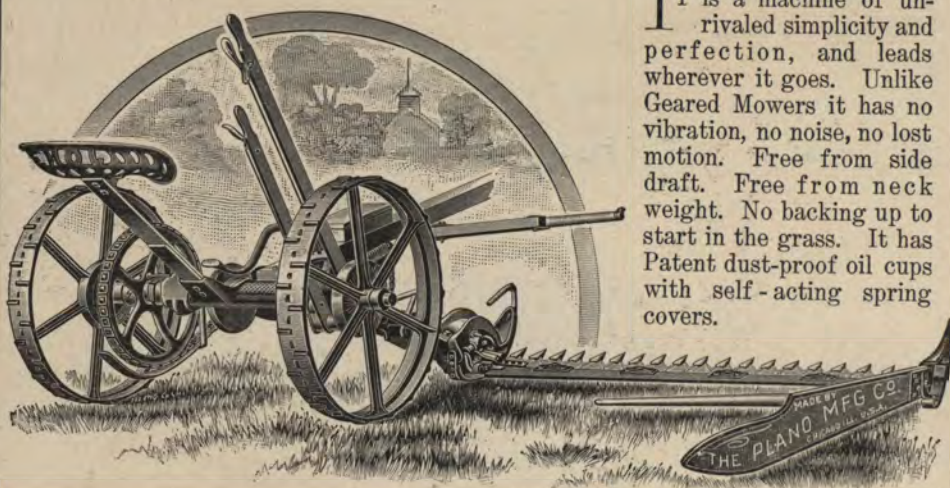
MADE BY THE PLANO MFG CO. CHICAGO, U.S.A.

"In a contest with twelve other Mowers, on the largest ranch in the U. S., covering an area of 266,000 acres, the JONES CHAIN MOWER won first place for light draft and perfect work."—R. M. Pogson, Te Jon Ranchos, Cal.

THE JONES CHAIN MOWER

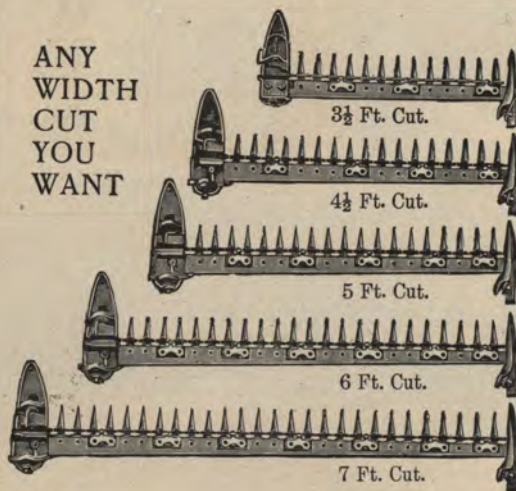
NO COG WHEELS TO WEAR OUT

IT is a machine of unrivaled simplicity and perfection, and leads wherever it goes. Unlike Geared Mowers it has no vibration, no noise, no lost motion. Free from side draft. Free from neck weight. No backing up to start in the grass. It has Patent dust-proof oil cups with self-acting spring covers.



LONGEST LIVED AND LIGHTEST DRAFT MOWER IN THE WORLD.

ANY
WIDTH
CUT
YOU
WANT



LOCK NUTS USED ON
THE JONES CHAIN MOWER
NEVER GET LOOSE OR LOST



A touch of the foot elevates Cutter Bar for passing over stumps or stones, Knife remaining in full action.

CHAIN DRIVE IS A WONDERFUL LABOR SAVER IN MINING

ALL BINDERS AND CHAIN DRIVE

THE GREAT FERRIS WHEEL REVOLVES BY CHAIN DRIVE

CHAIN DRIVE IS USEFUL IN ELEVATORS

CHAIN DRIVE IS VALUABLE IN MILLING

TRACTION ENGINES ARE CHAIN DRIVE

THE JONES CHAIN MOWER

The Plano Hardwood Pitman



THE best PITMAN made. Strong and rigid, with a long stroke which does not jerk and rattle; it will not wear out or bend, or get out of line. It will never cause the farmer trouble or expense. Our aim is to give the farmer a well-made, long-lived machine—not to sell him expensive extras. The life and action of a mower are in the Pitman, Cutter-bar and Knife. The ball and socket connection at the knife head will never wear out. Fastened with a lock nut, it will never get loose. Notice the interchangeable brass bushing at crank end. When the box becomes worn, 25 cents will make it as good as new. Large oil receptacles insure plenty of lubrication at all times.

The Plano Supplementary Shoes

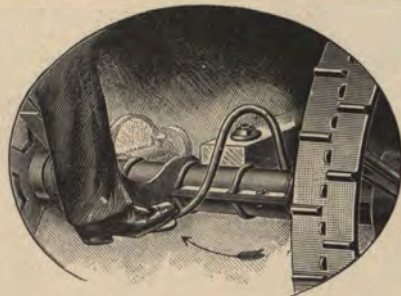
afford an easy adjustment of bar to any length of cut desired, from a «close shave» to a four-inch stubble. Remember, the JONES CHAIN MOWER is the only mower made where these splendid and desirable features can be found. It stands as a giant over all its competitors, and will render the farmer as good service in boggy marshes or rough meadows as on smooth land.



The Plano Compensating Spring

relieves the cutter-bar from all unnecessary friction upon the ground. It causes it to float freely over uneven ground, sinking gently into depressions, and rising easily over all

elevations. By this means the cutter-bar is carried upon the drive wheels, adding greatly to the cutting power of the mower.



Warranted Never to Break

A Faultless Foot Lever

The Jones Chain Mower has the most convenient and effective FOOT LEVER ever put upon a mower. The treadle being placed directly under the driver makes it easy to operate. It is the only adjustable Foot Lever made. A boy can manage it with perfect ease.

THE JONES CHAIN MOWER

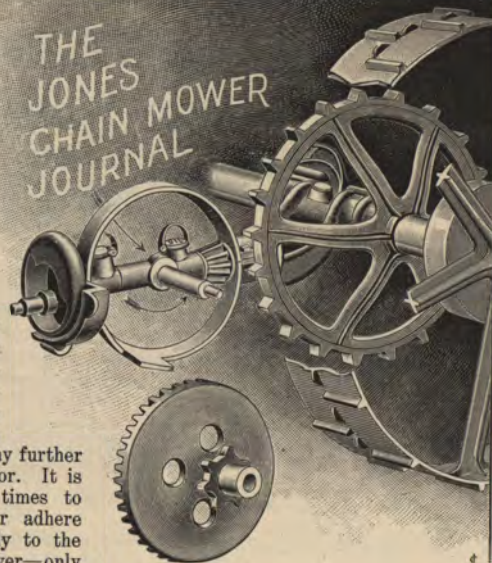
The Journal

on which the sprocket runs is made of chilled iron. It will wear twice as long as the bearings found on other mowers. Jones Mowers which have run for *ten years* have been taken apart and no wear has been perceptible.

THE
JONES
CHAIN MOWER
JOURNAL

A Floating Bar

In the JONES CHAIN MOWER, by the adjustment of a simple thumb latch, its bar is converted instantly into a *floating bar* of the greatest flexibility, which conforms itself to the roughest conditions of ground without any further trouble to its operator. It is also necessary at times to have the sickle bar adhere positively and rigidly to the ground, as for instance in cutting lodged clover—only a touch of the thumb latch, and the change is made.



Reversible Chafing Plates

Of Hardened Steel with
Four Wearing Surfaces

A Reversible Chafing Plate is inserted under each clip, which resists the backward wear of the sickle by directly supporting the rear edge of the cutting sections. By this means the knife-bar itself is relieved from all frictional contact and protected from wear. What farmer has not seen

SLOPING CUTTER BAR



THE COMPOUND
REVERSIBLE
CHAFING PLATES GIVE THE FARMER
FOUR NEW AND SEPARATE WEARS.

old knife-bars worn off to such sloping condition at the rear lower edge as to cause the knife to be pressed upward against the clips? This is one of the most frequent causes of choking in worn machines, occurring even when the knife is newly sharpened. THE JONES CUTTER BAR presents an exclusive feature, in this, that the upper face of the Bar, when the guards are horizontal, slopes to the rear, being *self-shedding* in the thinnest and shortest grass. The surface of the Bar is perfectly smooth and free from all obstructions. There is no choking or dragging under of grass with the JONES CHAIN MOWER. On ordinary mowers the knife wears on the whole length of the Bar, resulting in great friction and short life. The knife of the JONES CHAIN MOWER wears only on the hardened steel chafing plates, reducing friction at least two-thirds and insuring long life.

slopes to the rear, being *self-shedding* in the thinnest and shortest grass. The surface of the Bar is perfectly smooth and free from all obstructions. There is no choking or dragging under of grass with the JONES CHAIN MOWER. On ordinary mowers the knife wears on the whole length of the Bar, resulting in great friction and short life. The knife of the JONES CHAIN MOWER wears only on the hardened steel chafing plates, reducing friction at least two-thirds and insuring long life.

THE JONES CHAIN MOWER



The Best and Strongest Grass Divider Made

THE Jones Chain Mower has a GRASS DIVIDER which will last as long as a mower. Compare it with the frail grass boards found on other machines, which, as every farmer knows, are always broken after little use. The PLANO GRASS BOARD is wide, and reinforced with a heavy steel plate, riveted on the inside, making it absolutely safe where others break. Also note the long swath stick socket bolted and riveted securely, susceptible to nine adjustments. It is the best and strongest Grass Divider and Stick ever made.

The Jones Chain Mower Gag Lever

Is an important feature not found on other mowers. It enables the operator to raise both ends of the Jones Cutter Bar simultaneously when necessary to pass over stones or other obstructions in the grass. But when the operator relieves the lever the bar becomes flexible, so that either end of it may ride an obstruction without affecting the other end, conforming itself to the roughest conditions of the meadow. Farmers fully realize the value of this advantage. The greatest inventors of the age have for many years tried to produce a mower which affords this feature.

The Flexible Draft Rod

By means of our flexible DRAFT ROD, connecting the whiffletrees direct to the inside shoe at the point of greatest resistance, we at once distribute the draft equally to all parts of the machine, and preclude all possibility of side draft.

THE PHENOMENAL GROWTH OF THE PLANO

The Comparative Size of these Figures illustrates the Phenomenal Growth of the PLANO, due to the manufacture of simplified, reliable, ahead-of-the-times machines, and fair treatment to our friends, the Farmers of the World.



**THE JONES
CHAIN DRIVE
MOWER LEADS
WHEREVER
IT GOES**

STOCKTON, Cal.

We have sold and delivered 211 Jones Chain Drive Mowers this season, and without a single exception they have given perfect satisfaction. In every locality where this Mower is introduced nothing is sold but the Jones Chain Drive.

H. C. SHAW.

THE JONES ADJUSTABLE HAY RAKE

HAND DUMP—9, 10, AND 12 FT. SIZES

The supply of the Jones Adjustable Hay Rake has been inadequate to the demand ever since its introduction in 1896. It is, without doubt, the best Rake made. One of the chief reasons for its widespread popularity is the fact that it is the only Rake made capable of the perfect adjustability of other farm machinery.



Built of Special High Carbon Steel and Malleable Iron.

ASK a farmer to run his harvester without a Tilting Lever to meet the conditions of the field, or to take the Tilting Rod off his mower, or fix his plow so that he cannot raise and lower it, and he would laugh at you; yet this same farmer has been running a Hay Rake for years which is entirely unadjustable; banging away with it, sometimes harrowing up the ground when the teeth are too low, and at other times, perhaps on the same round, he comes to a place where the rake-teeth will ride over and leave every spear of grass. The Tilting Lever of the JONES RAKE affords instant adjustability for meeting all the varying conditions of the field or size of horse.

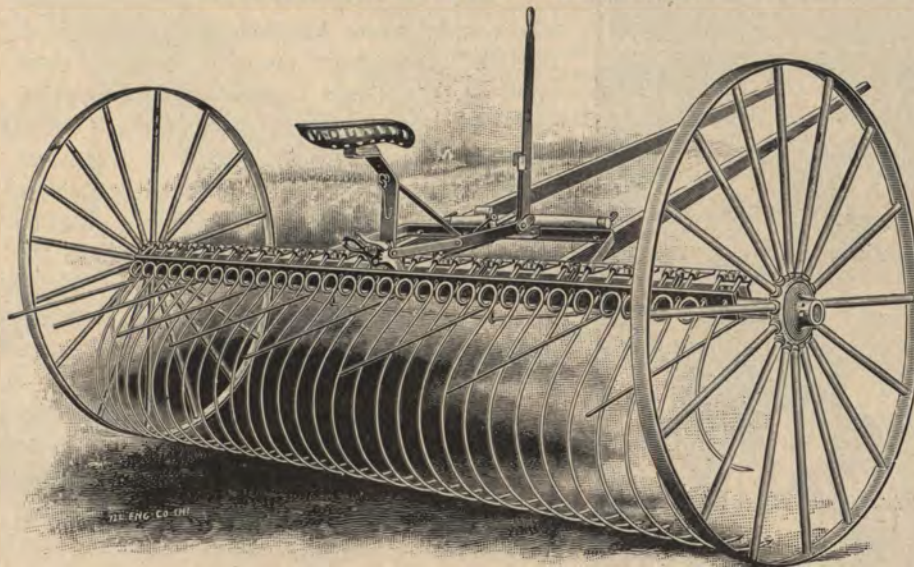
Among other notable features found on the JONES STEEL RAKE is an Oil-Tempered Cushion Spring, which prevents jar, shock or noise when dumping the rake; substantial, durable steel wheels, with a wide channel tire, and strong spokes, more thickly and rigidly set than on other rakes. It has a bell-shaped Axle Shield, which precludes the possibility of winding hay around the axle so common with other rakes. It has more teeth to the foot than any other rake, which are strong and flexible and will not break; it has an adjustable seat; it has longer and stronger shafts than the ordinary rake, which are easily and quickly converted into a pole; it has a powerful, rigid frame, which cannot bend or break. Haying is a pleasure with this perfect Rake.

THE JONES ADJUSTABLE HAY RAKE

SELF DUMP—9, 10, AND 12 FT. SIZES.

Only Adjustable and Perfect Hay Rake Made

The teeth of the JONES RAKE possess powerful capacity with great flexibility for uneven ground, and can be raised higher than the teeth of any other rake.



Both Self and Hand Dump Easily and Quickly Convertible from Shafts into Pole for Two Horses.

THE Cleaner rests high above the hay, and in dumping strips the hay perfectly clean from the teeth. If it meets with a rigid obstruction, it will yield and not break. It is strongly supported, and is acknowledged to be the most perfect Cleaner found on any rake.

In the Jones Rake the teeth are placed closer together than in the ordinary type of rakes. Our 9-foot rake has 26 teeth, which is the number usually found in 10-foot rakes of other makes, and in our 10 and 12-foot sizes the number of teeth is increased in the same proportion.

It has a strong Steel Axle, extending from wheel to wheel, a guarantee against sagging so common with cheap rakes.

In a word, the JONES STEEL ADJUSTABLE HAY RAKE is the *ne plus ultra* of perfection, and is without an equal or comparison. It is an up-to-date implement, and should be investigated by every dealer and farmer before he places his order.



Illustration showing Tilting Lever for Adjustability of Teeth to conform to condition of ground or size of horse.

No Dirt Scratching
No Side Jerks
No Breakage

THE JONES STEEL HEADER



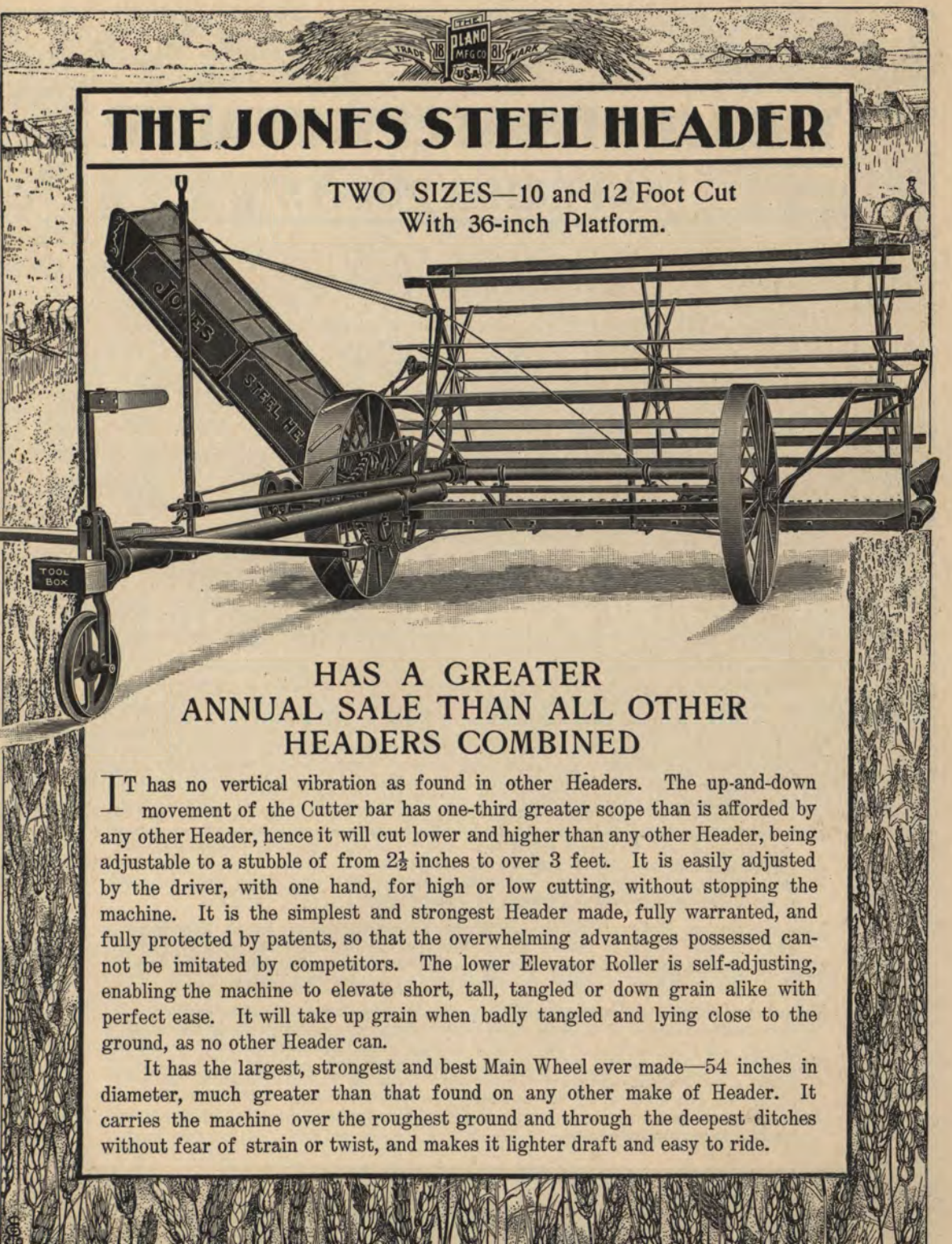
"Time is money, when the grain is ripe."

THE JONES STEEL HEADER, is an implement used chiefly in gathering the harvest in broad wheat-fields, where hundreds and thousands of acres of "golden grain" are to be saved in a short time, as on the vast pampas of South America, and in the large wheat districts of the Western States, and on the Pacific coast. In these sections it is necessary to reduce cereal production to a minimum cost; to do this a Header must be used. It cuts a wide swath, and completes the harvesting of a 500 or 1,000 acre wheat-field in an astonishingly short space of time. It is the most economical harvesting machine a large grain grower can buy.

Unlike any competitor, the Plano Manufacturing Company is the only company in existence to-day which is able to supply at once all the types of harvesting machinery now in use for small grain.

The JONES STEEL HEADER in an eminent degree meets the demand of farmers for a first-class machine. The fact that more of them are sold annually than of all other Headers combined is gratifying evidence that our efforts to give the farmer just what he wants in a faultless Header have been fully appreciated.

The JONES CHAIN-DRIVE STEEL HEADER, when compared to the cumbersome Headers put out by other manufacturers, will be found to be greatly simplified, lightened, strengthened, and brought to a harmonious proportion in size, possessing all the peculiar requirements of strength and solidity demanded for the steep side-hills incident to the Pacific coast country.



THE JONES STEEL HEADER

TWO SIZES—10 and 12 Foot Cut
With 36-inch Platform.

HAS A GREATER ANNUAL SALE THAN ALL OTHER HEADERS COMBINED

IT has no vertical vibration as found in other Headers. The up-and-down movement of the Cutter bar has one-third greater scope than is afforded by any other Header, hence it will cut lower and higher than any other Header, being adjustable to a stubble of from $2\frac{1}{2}$ inches to over 3 feet. It is easily adjusted by the driver, with one hand, for high or low cutting, without stopping the machine. It is the simplest and strongest Header made, fully warranted, and fully protected by patents, so that the overwhelming advantages possessed cannot be imitated by competitors. The lower Elevator Roller is self-adjusting, enabling the machine to elevate short, tall, tangled or down grain alike with perfect ease. It will take up grain when badly tangled and lying close to the ground, as no other Header can.

It has the largest, strongest and best Main Wheel ever made—54 inches in diameter, much greater than that found on any other make of Header. It carries the machine over the roughest ground and through the deepest ditches without fear of strain or twist, and makes it lighter draft and easy to ride.



THE JONES STEEL HEADER

SUPERIOR POINTS

FOUND ONLY IN THE LIGHT RUNNING JONES STEEL HEADER

Countersunk Roller Boxes. The platform Roller Boxes are sunk into the ends of the roller itself, exposing no revolving journal, and avoiding the continuous annoyance of such journal wrapping itself with straw, as experienced with other Headers.

Platform Sills and Cutter Bar. We have the only Platform Sills made of angle steel. They are light, elastic, strong. They cannot warp or twist, and will never wear out. The Cutter Bar is also made of angle steel, and bolted to the platform side, making the strongest form known.

Platform Carrying Spring. By the introduction of a Coiled Spring for carrying the weight of platform, we relieve the operator from any laborious effort in raising and lowering the cutter bar as required by all other Headers, and at the same time avoid the clumsy device of counterweighting the rear end of this long tilting lever, as in other Headers.

Steel Elevator Sides. The Elevator Sides are made of one entire sheet of steel, embodying both strength and lightness, and, unlike those made of wood, they will not warp and split, but remain perfectly true, so that the canvas in the elevator works with positive evenness.

Pole, Axle and Tilting Lever. The Pole, Axle and Tilting Lever are of the finest quality of steel—light, rigid and durable. No warping, checking or twisting by exposure to the weather. The Axle and Tilting Lever are reinforced by truss rods, and cannot possibly sag or bend.

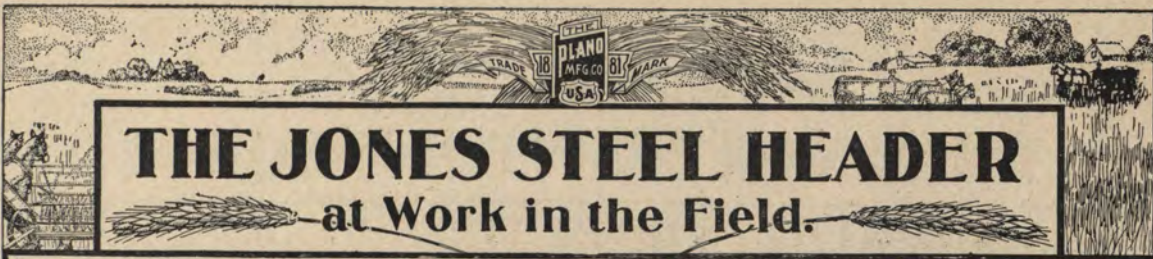
Platform Supports. The Platform is connected to the tilting lever by screw threaded supporting braces. It is adjustable to a nicety, with the utmost ease. No laborious supporting of the platform while pin connections are being removed or inserted. No possibility of the platform getting out of level, each end being independently adjustable.

The Tilting Lever. Our Tilting Lever, effecting the raising and lowering of the platform, has an automatic scope of 22 inches. With great advantage over all others, it is ratchet locked, permitting the platform to raise up freely when striking any obstruction. This is of vital importance when cutting close to the ground.

Steel Canvas Guides. It is the only Header with platform Canvas Guides made of channel steel, giving a perfectly smooth and uniform track for canvas to travel in, possessing rigidity, and being of sufficient width to carry the canvas with absolute certainty. It will last a lifetime, instead of wearing out in a season, as is the case with wood guides found on other Headers. No warping, splitting, twisting, or imperfect work.

Elevator Bottom Rollers. The elevator bottom is provided with two Rollers, furnishing the easiest possible movement between the elevator spout, and the wagon box, while the machine is in operation, avoiding friction and scraping, which so often results in the breaking away of the elevator spout from its fastenings, as frequently occurs with other Headers.

Nearness of Platform Canvas to Sickle. Our Platform Canvas is brought much nearer to the actual cutting line of the sickle than in any other Header, avoiding entirely the very bad feature of all other machines, in cutting short grain, of permitting lodgment of a large quantity of grain just in rear of the sickle, obstructing grain otherwise of sufficient length from being lodged on the platform canvas, and duly elevated. The JONES HEADER cuts and elevates every spear. We entirely avoid the waste of other machines in this respect, for nearly all short heads that are lodged slip back into the sickle and are cut in two and spilled on the ground, resulting in an extravagant loss.



THE JONES STEEL HEADER

—at Work in the Field.—



A TEN-YEAR-OLD BOY CAN TILT THIS GREAT MACHINE
WITH THE ASSISTANCE OF ITS POWERFUL
COMPENSATING SPRING.

BUILT of Angle Steel and Steel Tubing, the lightest and strongest forms known to construction. Every part has been ceaselessly scrutinized and studied by our inventors, mechanics and experts. Every improvement which mechanical genius can originate is concentrated in this machine. It stands without a rival. It is no experiment. Practical tests in the field for years have proven its great value. Every piece is made for its place after scientific calculation. It is a pleasure to operate the JONES STEEL HEADER in the field. It is evenly balanced. The steering device is strong and perfect. The machine can be handled with consummate ease. You can readily tilt the platform up or down with one hand.

THE JUNIOR CHAIN-DRIVE MOWER



ALLING'S-ENG. CO. CHICAGO.

FOR SMALL FARMS AND PRIVATE GROUNDS

The Jones Junior Mower is a Popular Machine

FOR SMALL FARMS, SUBURBAN GARDENS, PARKS,
LAWNS AND ORCHARDS.

It is built compact and strong, on the same general principle as the justly celebrated JONES MOWER. It has the same simple Chain-drive; the long, adjustable Wood Pitman; the Compound Reversible Chafing Plates and Serrated Ledger Plates, which add very much to its lightness of draft. Its inner and outer Shoes are fitted with sub-shoes, thus enabling the operator to cut at any height from a $\frac{3}{4}$ -inch to a 6-inch stubble. It has a Swinging Draft Rod, a Gag Lever and a Compensating Lever that floats the Bar smoothly over the roughest ground; it has a Carrying Spring that prevents side draft and adds traction power. It has an Adjustable Foot Lever that will fit the longest man or the shortest boy. It is provided with large oil receptacles at all wearing points, which are dust-proof with self-acting spring covers. Made of Malleable Iron and Steel. It is an up-to-date Mower, first-class in every particular.

THE ONLY ONE-HORSE MOWER WITH A FOOT LIFT
AND SPRING BALANCED BAR.

WARRANTY

AUTHORITY IS HEREBY GIVEN

THE
UP TO
DATE
JONES
LEVER



THE
OLD
STYLE
COG
WHEELS.



EVERY PLANO AGENT To Guarantee

THE

LIGHT RUNNING JONES LEVER BINDER.
LIGHT RUNNING JONES CHAIN MOWER.
LIGHT RUNNING JONES ADJUSTABLE HAYRAKE.
LIGHT RUNNING JONES STEEL HEADER.
LIGHT RUNNING JONES REAPER.

LIGHT RUNNING
PLANO
MACHINES
ARE
UP TO DATE

EVERY PLANO MACHINE IS THOROUGHLY
TESTED BEFORE IT LEAVES THE FACTORY
AND FULLY WARRANTED IN THE FIELD
BY A PRINTED WARRANTY, GIVEN WITH
EACH MACHINE, SIGNED BY

THE PLANO MFG. Co.

CHICAGO, ILL., U. S. A.

THE *Planos* MFG. CO.



**ACKNOWLEDGED
LEADERS**

LIGHT RUNNING JONES LEVER BINDER
LIGHT RUNNING JONES CHAIN MOWER
LIGHT RUNNING JONES ADJUSTABLE HAYRAKE
LIGHT RUNNING JONES STEEL HEADER
LIGHT RUNNING JONES REAPER

OF THE WORLD

Staplehurst,

SOLD BY

Staplehurst, Neb.

Babson & Dickman Implement Co., Agts.

Staplehurst, Neb.