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Springer

CATERPILLAR



“⁶⁶results⁹⁹”

CATERPILLAR



"results"

CATERPILLAR

REGISTERED IN UNITED STATES PATENT OFFICE

BULLETIN TE 40

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THE HOLT MANUFACTURING COMPANY
OF STOCKTON, CALIFORNIA, U. S. A.


BOLTE & BRADEN CO., PRINTERS
50 MAIN STREET, SAN FRANCISCO



CATERPILLAR


*The Holt Manufacturing
Company*

Stockton - California - U.S.A.

BRANCH HOUSES:

SAN FRANCISCO
LOS ANGELES CALIF.

SPOKANE
WALLA WALLA WASH.



BEN J. HOLT
PRESIDENT
C. PARKER HOLT
VICE PRESIDENT
BEN C. HOLT
VICE PRESIDENT
C. A. BACHELDER
TREASURER
R. S. SPRINGER
SECRETARY



FACTORY
STOCKTON - CALIFORNIA
U.S.A.



The Caterpillar

The Caterpillar is a known quantity. It has success back of it. It is not an experimental venture or an untried theory, but the proven product of a substantial, progressive manufacturing organization.

The Caterpillar is built by The Holt Manufacturing Company of Stockton, California. Through 28 years of general manufacturing experience, and 21 years of experience in building the foremost steam Traction Engines on the market, they have gained a knowledge of the difficulties and conditions found in Traction Engine work, that could be gained in no other way and in no shorter time. This long experience in manufacture as well as actual field work, has proven an invaluable asset in building the Caterpillar.

While the principle of the Caterpillar is new to many people, after seeing its construction and especially the wonderful work it does, it will readily be conceded to be the only practical way to carry great loads over the uneven surface of our roads and fields, and to give tractive surface and power sufficient to pull such loads under the severe conditions every traction engine will experience. The great reliability of the Caterpillar was proven by five years of extensive testing and actual use on our experimental farm, and at our own plant, before it was placed on the market. Since it has been placed on the market scores of them have been sold and the satisfaction given can best be told by the enthusiastic letters in which the owners endorse the Caterpillar.

Though the Caterpillar is a large machine for heavy work, it is built with precision and care seldom found in the construction of heavy machinery. In both general design and mechanical detail, it shows the careful study of the most competent engineers. The design is not complicated. Simplicity is the keynote of construction and the material used is of the highest grade. The result of these efforts is a machine that, not only on account of its thoroughly good principle, but also on account of its merits as a machine of wonderful construction and inherent durability, has proven to the world that it is efficient and will permanently remain efficient.



Adaptability and Efficiency of the Caterpillar

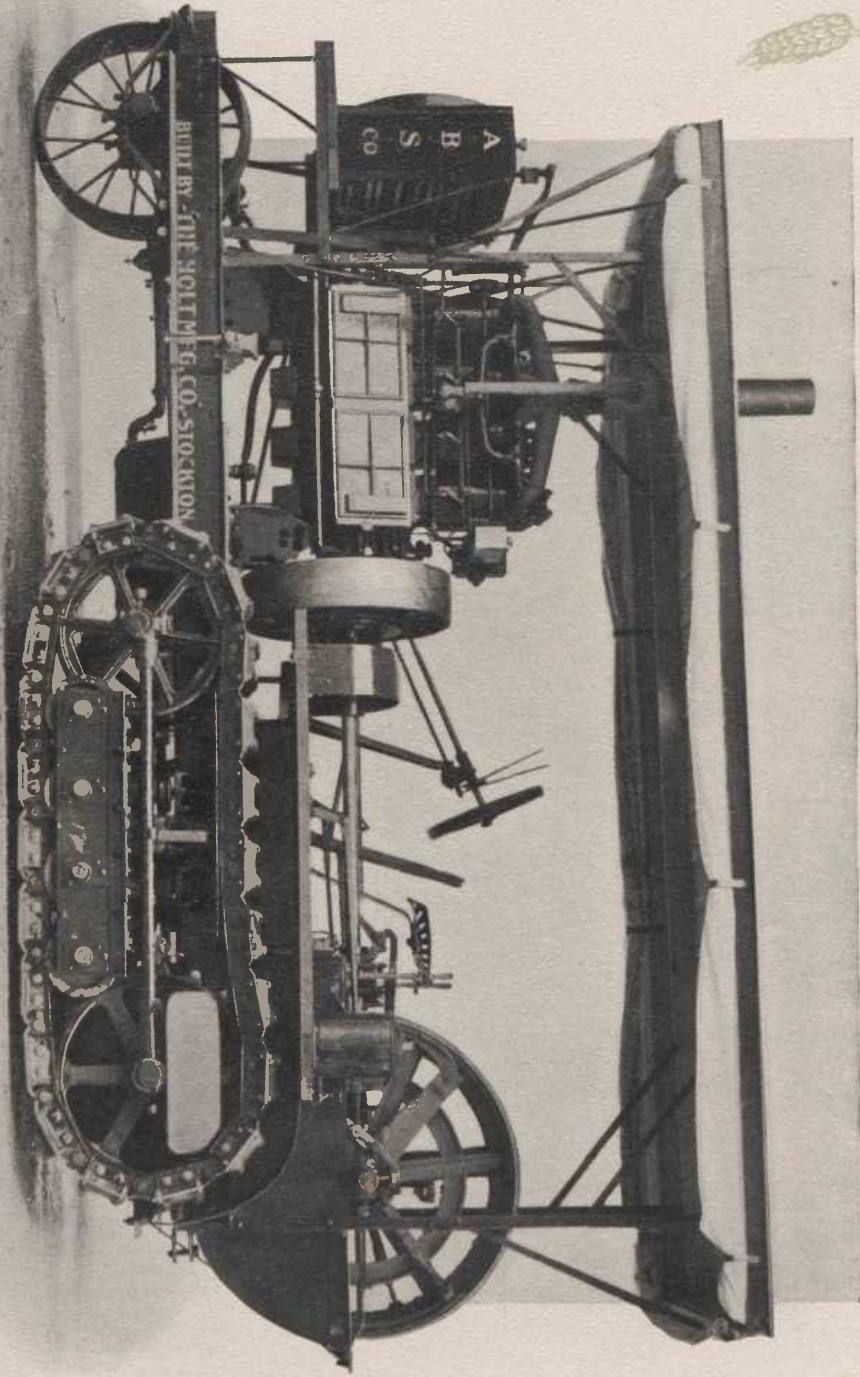
The adaptability of the Caterpillar is practically unlimited. Its efficiency is wonderful. From the torturous hot sand fields of the Mojave Desert to the highest Sierras and Rockies, and from the low, wet Delta Lands to the beautiful valleys and farms, the Caterpillar has proven its worth.

On the desert you will find the Caterpillar doing work no other power will do. The terrific heat, the loose sand roads, and the scarcity of water, any one of which prevents the use of other powers, have no terror for the Caterpillar. The simple economical motor furnishes an abundance of power at all times, and the Caterpillar, possessing its own track, lays it on the sandy ground, changing the roadbed from loose sand to a smooth steel track, over which it rolls with ease.

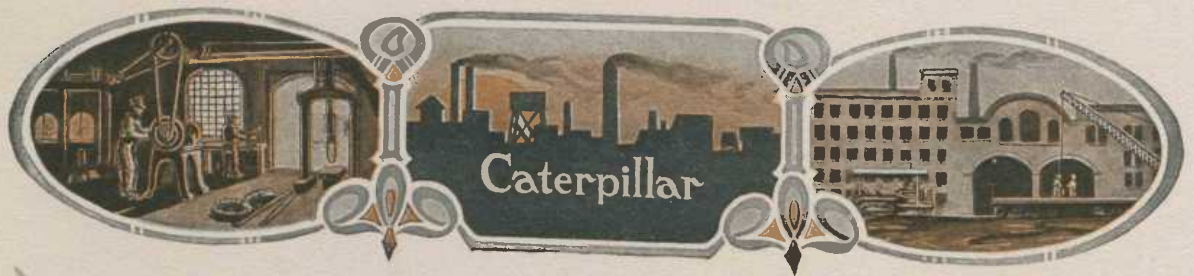
In the highest mountains, where the roads are rough and the grades long and steep, the Caterpillar is hauling logs, lumber, ores and other freight. It is doing this work under the most severe conditions and in a manner never before thought possible.

Then again we find the Caterpillar in the low delta lands, where the ground is so soft horses can not walk on it, and a wheel Traction Engine is impossible. Here the Caterpillar is working right along with the same steady power that has always characterized it and made it famous before the whole world. The soft bottom lands do not affect the Caterpillar; it does not mire, but moves steadily on, doing its work on ground that looks even dangerous to walk on.

In the valleys and on the farms the uses of the Caterpillar are innumerable. First it does the Plowing, Harrowing and Seeding; then the Harvesting, Threshing and Hauling; after that and between times it is free to do any other work one may have for it. It will furnish power for the blacksmith shop; pump water for irrigation or possibly to drain the low lands; it will run Saw, Feed or Flour Mills, barley Crushers, and in fact anything that needs a good steady power. The Caterpillar is at its greatest capacity on a farm; not because the conditions under which it may work are possibly better, but on account of the owner being able to furnish it with so many different tasks, all of which it will handle so successfully.



Side View Showing Caterpillar Wheel and Spring Mounting



General Description

MOTOR

4 Cylinder, 4 Cycle. Cylinders cast separately with Valves in Head. Heads removable.

BORE—

6½ Inches.

STROKE—

8 Inches.

POWER—

45 B. H. P. continuously at 550 R. P. M.

COOLING—

Water. Vertical Tube Radiator and Fan.

IGNITION—

2 Separate and Complete Systems.

CURRENT SUPPLY—

Magneto and Dry Cells.

LUBRICATION—

Constant Level Splash System.

MOTOR CONTROL—

Automatic Governor Regulating Throttle. Hand Levers on Steering Wheel regulating speed within the limits of the Governor.

TRANSMISSION

CLUTCH—

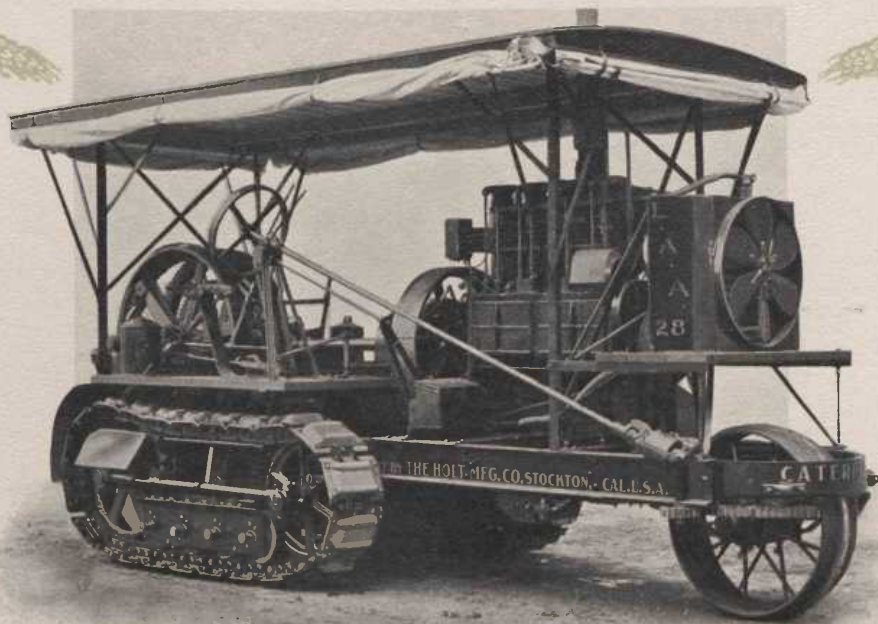
Multiple Disc, giving easy but positive engagement.

DRIVE—

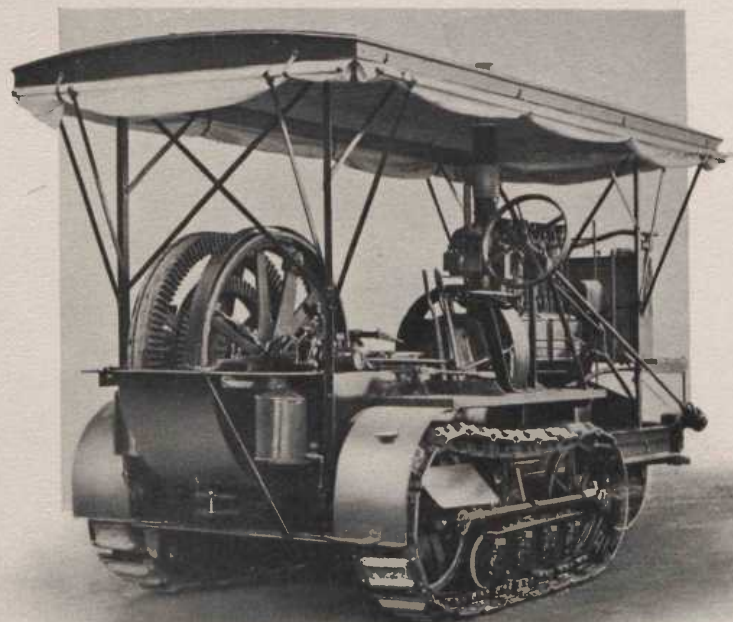
Shaft with Bevel Gears to Counter Shaft. Double Chain to Caterpillar Wheels. Drive to each Caterpillar Wheel governed by Positive Frictions allowing entire machine to be driven by one Caterpillar Wheel if necessary.

SPEEDS—

2 Forward and 1 Reverse. All speeds on Direct Drive. No Reduction gears in mesh on any speed.



Front View Showing Steering Gear and Front Wheel



Rear View Showing Driving Mechanism



CATERPILLAR WHEELS

Four Steel Truck Wheels on each side carry the weight of the Engine. Truck Wheels turn on case hardened machined Steel Gudgeons, designed so they may be kept free from dirt and easily lubricated.

TRACK—

The Track is built up of $\frac{5}{8} \times 3\frac{1}{2}$ -inch, 50 Carbon Steel Plates. The Joints are formed by Case Hardened Pins turning in Sleeves of Malleable Iron Bushed with Hardened Steel.

TRACK PLATES AND SHOES—

Track Plates are of drop forged steel and designed to prevent all dirt and dust from entering bearing. Track Shoes are Drop Forged Plow Steel shaped to give a firm grip on road surface, without damaging it in any way.

FRAME

MAIN FRAME—

8 Inch "I" Beams thoroughly braced and trussed.

SPRINGS—

Weight of Caterpillar carried on Double Coil Springs, relieving entire mechanism of practically all road vibration.

FRONT WHEEL—

Heavy Round Spoke. Spring Mounted.

STEERING GEAR—

Worm and Complete Gear. Irreversible.

TANK CAPACITIES

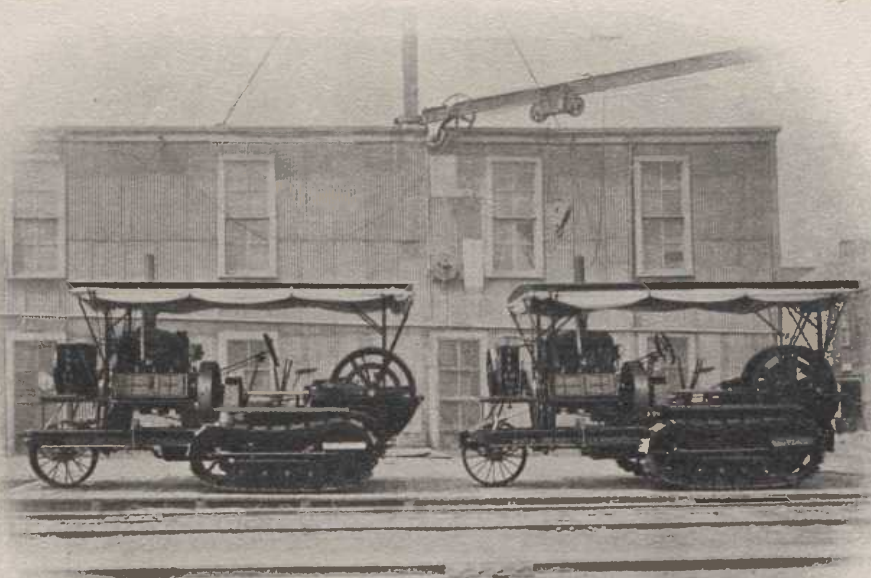
Fuel Tank, 70 Gallons. Water Tank, 56 Gallons.

PRINCIPAL DIMENSIONS

Height over all.....	11 Feet	1 Inch
Length over all.....	18 Feet	7 Inches
Width over all.....	7 Feet	
Tread.....		82 Inches

WEIGHT

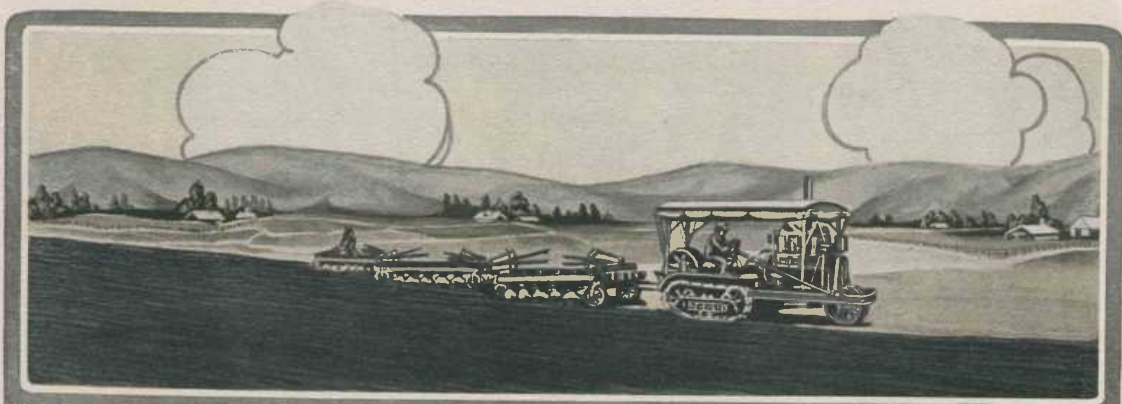
Weight fully equipped, 16,800 lbs.



Two Caterpillars loaded for shipment to the Sacramento Valley Sugar Co.
Hamilton City, California



A train of 19 Wagons ready for shipment to the City of Los Angeles, California



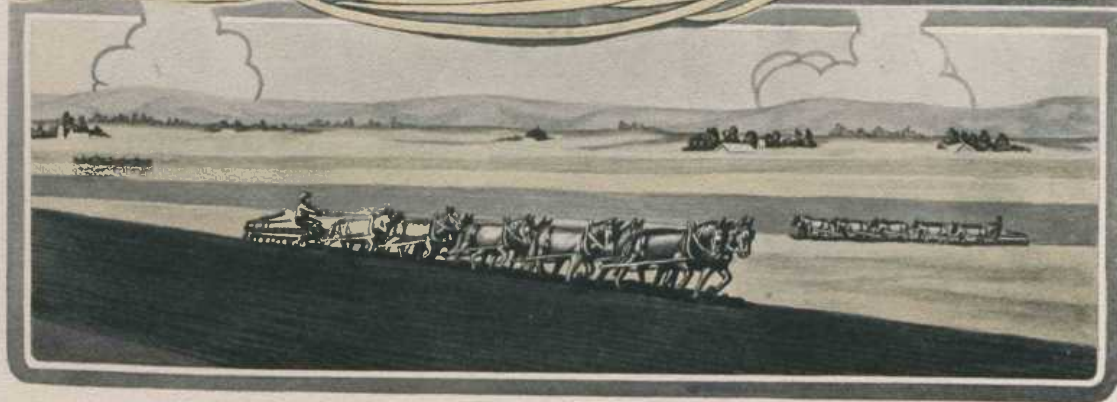
SUCCESS in Plowing is not wholly a matter of turning furrows in the proper manner. It is also essential that the work be done speedily and at low cost.

The Caterpillar has set a new standard in efficiency and economy in Plowing. It has reduced the cost materially and is doing the work better than is possible by any other method.

The Caterpillar will do your Plowing when the ground is in the proper condition; in the wet weather, when the ground is soft, or in the dry weather when the ground is hard. It needs no special conditions. It will work 24 hours a day. It never tires but always moves along with the same regularity.

The cost of operating the Caterpillar is low. The average fuel consumption is 35 gallons per day. A gallon of lubricating oil will last the same length of time, and best of all, it is an expense only when in operation.

IT COSTS NOTHING WHEN IDLE.





Tagus Ranch Co.,
Tulare, California

Alpaugh, Cal.,
July, 19, 1910.

Gentlemen:

I am in receipt of yours of the 12th inst.

Referring to The Holt Caterpillar Engine, will say that in my opinion it is the greatest production of the farming age. I am operating one on general farming work and it has filled every expectation. At the present time, I am plowing dry tule land, covered with a five-year growth of tules that stand in a solid mat 10 feet high, and turning them under 10 inches deep, in a manner I challenge any tool on earth to equal.

My engine has been in use sixty days, hauling on road and plowing. I use 40 gallons of distillate per day of 12 hours. Repairs, I have not required any. You can figure that an engineer and helper, with 40 gallons of distillate and sufficient lubricating oil, will take the place of 35 good mules and as much expense as it takes to run them, saying nothing of the freedom of labor troubles.

Yours very truly,
W. H. WILBUR.

The Holt Mfg. Co.,
Stockton, California

Grafton, Cal.,
August, 2, 1910.

Gentlemen:

It has been three weeks now since the delivery of my Holt Caterpillar Engine. I have been using the engine on some very rough tule ground, mashing down the tules and smoothing up the ground. The engine has been doing very satisfactory work and I am more than pleased with it.

I expect to have the engine plowing within the next two weeks, and there is no question in my mind but that the engine will continue to do very satisfactory work. At the present time, the engine is doing the work of 40 head of horses.

Yours very truly,
YOLO RANCH CO.
Per. H. C. HINCHLEY.



Caterpillar owned by W. H. Wilbur, Alpaugh, California,
Breaking Tule Jungle



No other
Power, Horses
or Engine, can
traverse this mass.
The Caterpillar not only
does this, but also pulls a Roller and 10 Disc Plows, plowing 10 Inches Deep



The Holt Mfg. Co.,
Stockton, California

Farmington, Cal.,
August 29, 1910

Gentlemen:

We have one of your Gasoline Caterpillar Traction Engines, 45 horse power, which we have been using for plowing, harvesting and hauling grain.

We plowed 24 acres per day, with a fuel consumption of 4 gallons per hour, plowing 6 inches deep and 110 inches wide. This plowing cost us 45 cents per acre.

The Caterpillar Engine has given us excellent satisfaction and we find that we can do our farm work for one-half the expense of what it formerly cost us to do our work with horses.

After a season's work, the engine is as good as new. We are very well pleased with our investment.

Yours very truly,

WILLIAMSON BROS.

The Holt Mfg. Co.,
Stockton, California

King City, Cal.,
February 7, 1910

Gentlemen:

We are in receipt of your favor inquiring in regard to our Traction Engine. Will say in reply that we are pulling 8 ft. of plows at present, in about the worst gumbo soil I have ever seen. In other soil, which is somewhat lighter we pulled 10 ft. of plows. We also pull 20 ft. of drills with harrows behind them, over plowed land, which we consider a feat that no other type of traction engine could do, except the Caterpillar. The depth of plowing has been an average of 5 inches. We use about 40 gallons of distillate per day of 12 hours.

Thanking you for past favors and wishing you much success we remain,

Yours very truly,

WALKER BROS.



Caterpillar pulling 160 inches of Plows.
E. A. Brim, Williams, California



Breaking Virgin Sod. Eight, 14 Inch Furrows 8 inches deep.
S. A. Wright, Dunkirk, Montana



The Holt Mfg. Co.,
Stockton, California

Suisun, Cal.,
August 10, 1910

Gentlemen:

The Caterpillar has been in continuous use since its arrival, about July 8th, pulling two 20-inch plows, to a depth of 11 inches. The fuel consumption has been small averaging about 30 gallons a day.

Our land on Grizzly Island is a mixture of peat and sediment, having been used as a pasture since it was reclaimed nearly 40 years ago. There is a growth of very tough salt grass sod, and when dry, the horses can not pull the plows; when wet, the horses will mire down. This land has never been plowed before, because it was not practical and economical to plow with horses.

The only type of traction engine that can be used on our land is the Caterpillar, and our Caterpillar is certainly doing this work well and economically. The Caterpillar has proven very satisfactory to us and is deserving of a great deal of credit.

Respectfully,

BERT A. CHAPLIN.
F. N. CHAPLIN.

Le Grand, California.

Drove Caterpillar from Stockton to Le Grand, a distance of 68 miles, over regular county roads, without any trouble whatever. Am now plowing night and day. Engine giving excellent satisfaction.

W. M. MAZE.

The Holt Mfg. Co.,
Stockton, California

Madera, Cal.,
January 23, 1910

Gentlemen:

In regard to the Holt Gasoline Caterpillar Traction Engine, will say that I am doing my plowing for one-half of what it has cost me previously in doing this work with mules.

Yours truly,

J. L. FREEMAN.



In Virgin Soil, pastured since reclaiming. Pulling 2, 24 inch Plows, at a depth of 12 inches

Turning Salt Grass Sod on Grizzly Island. Caterpillar and Haines Special Plow owned by F. N. & Bert R. Chaplain, Suisun, California





The Holt Mfg. Co.,
Stockton, California

Le Grand, Cal.,
January 30, 1910

Gentlemen:

In reply to your favor of a few days ago, inquiring how we are making it with the Caterpillar Traction Engine.

On account of green men, bad weather and the time spent in trying out different plows, we have not, up to date, run the engine steadily, except a few days of ten hours at a time, when we plowed, sowed and harrowed about 30 acres per day. We are using about 35 gallons of distillate in a ten hours' run.

Comparing it with mules, will say that the engine has so much in its favor that if we had to farm with mules, we would cut farming out.

Thanking you for the interest you have taken in this tractor since we have had it, we are,

Yours very truly,

CUNNINGHAM CORPORATION.

The Holt Mfg. Co.,
Stockton, California

Holly, Colo.,
August 31, 1910

Gentlemen:

In March of 1910, we bought one of your Caterpillar Engines for general farm use. The repairs on this engine have been light so far, but we have not used it a sufficient length of time to state positively what the result would be from an economic standpoint.

We were, however, impressed to such an extent that we have ordered and just received two more of the engines. We are inclined to think that the Caterpillar Engine will revolutionize farming.

Yours very truly,

THE HOLLY SUGAR CO.



Plowing 30 Acres per
day. Cunningham Corporation,
LeGrand, California



Putting Land in condition for
Sugar Beets. Holly Sugar Co.,
Holly, Colorado



The Holt Mfg. Co.,
Stockton, California

Oxnard, Cal.,
February 1, 1910

Gentlemen :

After using one of your Gasoline Caterpillar Plowing Outfits for the last three weeks, I want to say that it has given entire satisfaction in every respect. I can plow, harrow and pulverize my land for one-half what it would cost me using horses.

At this time I can not suggest any improvements in the construction of your engine, and to show you that I mean what I say, I wish to place with you my order for a similar engine to the one I recently bought from you, providing you can make delivery at a time satisfactory to me. Will ask you to kindly advise me as to the time you can make delivery of this engine.

With very best wishes, I remain,

Yours truly,

J. BORCHARD

Maxwell, Cal.
Building a canal with Caterpillar and Eric Scraper for the Sacramento Valley Irrigation. The greatest power for this work.

HARBINSON & KITCHEN.

The Holt Mfg. Co.,
Stockton, California

Camarillo, Cal.,
August 16, 1910

Gentlemen :

The Caterpillar engine I purchased last November is a success, and does the work we bought it for better than we expected.

We plowed four hundred acres dry, a depth of from 10 to 12 inches. Plowed about ten or eleven acres a day, working about eight hours a day, at a cost of not over fifteen dollars per day, which included three dollars charged to depreciation.

Yours very truly,

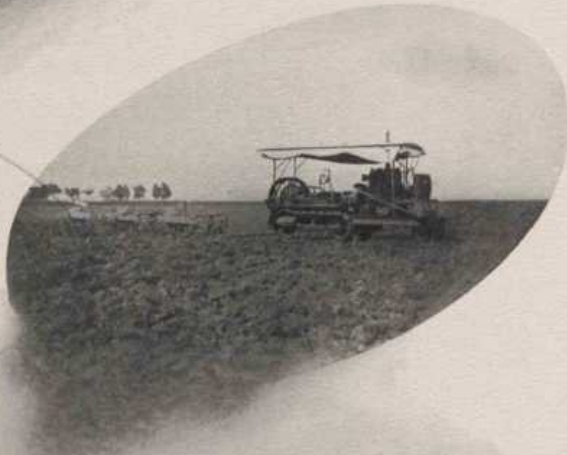
Wm. A. ARNEILL



Caterpillar



Pulling 12, 14 inch Plows.
Columbia View Farm,
Trinidad, Washington



R. L. McCabe Plowing
Outfit at Byron,
California



Plowing a strip 12 feet wide.
Replacing 30 horses



The Holt Mfg. Co.,
Stockton, California

Floribel Ranch, Hardwick, Cal.,
July 30, 1910

Gentlemen :

I have been operating one of your 1910 Caterpillar Engines on my ranch in Kings county, Cal., since last January. The breaking up of new sod, by means of the engine and Haines-Houser Disc Plows, has been very successful.

The following is a copy of the books for a 35-hour run, as an example of what the engine costs me to operate.

135 Gallons Distillate	\$13.50
2 Gallons Cylinder Oil.....	.90
Crude Oil and Miscellaneous.....	3.40
Labor	15.75

In the above mentioned time, 65 acres were plowed, at a cost of about 52 cents per acre.

Very respectfully yours,
CERF ROSENTHAL.

The Holt Mfg. Co.
Stockton, California

Los Angeles, Cal.,
September 23, 1910

Gentlemen :

Herewith I beg to hand you my check No. 8724 for \$2,650, to cover balance due as per your invoice of August 25th, for payment on Gasoline Caterpillar Traction Engine.

I desire to tell you that this engine is giving me the most perfect satisfaction in plowing on my Ranch near Angiola, Cal., and in every way far exceeds the representations made by your agent, Mr. Hadley, as to what it would do when I ordered it. We are now plowing, both day and night shifts, pulling thirteen big disc plows and it does not seem to be any load for the engine at all; the depth of furrow runs from 6 to 8 inches. The engine is simple, easily handled and controlled, and I think I have solved the plowing situation on my ranch, where a large acreage must be turned over in the shortest time possible, and where the soil is very soft from overflow water and irrigation. You are at liberty to quote me in the strongest terms as to the general efficiency of this engine and the satisfactory manner in which it does its work.

Kindly receipt invoices attached and return to my office.

Yours truly,
C. A. CANFIELD



Caterpillar and Haines-Houser Disc Plows,
owned by
Cefr Rosenthal,
Hardwick, California



Cultivating
Land for Beans.
Frank Barnard,
Sawtelle, California



One of the Four Plowing Outfits
owned by the American Beet Sugar Company



Mr. A. S. Bennett,
The Dalles, Oregon

Pendleton, Oregon,
June 18, 1910

My Dear Mr. Bennett:

Yours of the 15th inst. at hand, and in reply will say that I have been using The Holt Caterpillar Engine for some time, and I deem it practical and it is certainly a success.

I used it in plowing 960 acres this spring, and the actual cost per acre was 47 cents. We made an average of 30 acres per day with the starting which always draws back some.

We ploughed as high as 35 acres some days, and used (9) nine (14) fourteen inch plows (but it could have pulled (12) twelve plows as well). Ploughed to the depth of 8 to 9 inches.

We also made a test on rolling land, and found it very satisfactory in every way. Everything was always in favor of the engine, and I am well pleased in the way it works in general. I expect to use it in pulling my Harvester when cutting my 960 acres of wheat.

I find that the Engine far exceeds every representation made by Mr. Ben C. Holt to me, and I can not recommend this Engine any too highly. For further information I am at your service.

Yours very truly,
DAVID H. NELSON.

The Holt Mfg. Co.,
Spokane, Washington

Dunkirk, Mont.,
August 22, 1910

Gentlemen:

I consider the Caterpillar Engine superior to any make of Engine I have seen operating in Montana, and I have seen them all.

Yours very truly,
S. A. WRIGHT.



The Caterpillar does wonderful work in the hills



Caterpillar Plowing
Outfit of
David H. Nelson,
Pendleton, Oregon



San Francisco, Cal.,

August 8, 1910

The Holt Mfg. Co.,
Stockton, California

Gentlemen:

We take pleasure in advising you that we have operated one of your Gasoline Caterpillar Traction Engines for the past year, most successfully. It is an ideal machine to plow with on soft peat land, especially on land which has been badly cracked, and on soft damp land where it would be impossible to use horses. We have been plowing damp land where the water followed the furrow.

The average operating expenses per day of ten hours are as follows:

Labor.....	\$ 5.50
Fuel.....	3.50
Lubricating Oils.....	.50
Repairs and Maintenance.....	1.50
	<u>\$11.00</u>

Our Caterpillar has been used to plow and disc the toughest kind of virgin and buckskin peat. In this plowing we are required to cross numerous partially graded small sloughs. We are using one Haines-Houser three gang 14 inch plows, plowing to an average depth of 6 inches. In a ten hour day, we plowed on an average of 12 acres, making our total cost per acre about 91 cents. Our cost of plowing this land with horses was around \$2.50, and we suffered a number of losses by horses stepping into cracks and badly injuring their legs. In discing this same land, we pulled 30 feet of disc harrows, at the rate of 2½ miles per hour, which is equal to 9 acres per hour. Our cost of discing is 12 cents per acre.

In conclusion, will say that I consider The Holt Caterpillar Traction Engine the most scientific machine of its kind on the market to-day, suitable for all classes of work, cheap and simple to operate, and an engine which develops all the horse power guaranteed. We consider it indispensable to us in our present and future work of breaking up some 6,000 acres of virgin soil. We expect continued success with the Caterpillar this fall, in handling our next year's crop on the old land.

Wishing your company every success, we remain,

Yours very truly,

SONOMA LAND CO.

W. P. Henry, Secretary.

Williams, Cal.

Dragging 60 feet of heavy iron harrows. No work at all for Caterpillar. Engine giving excellent satisfaction.

J. S. GIBSON.



Breaking reclaimed Swamp Land

Plowing Wire Grass Sod.
The Sonoma Land Company
of San Francisco now own
and operate 2 Caterpillar
Plowing Outfits





Rio Vista, Cal.,

August 13, 1910

The Holt Mfg. Co.,
Stockton, California

Gentlemen:

In devising a machine which multiplies the work of a day, you give the farmer an opportunity to simplify his labor and lower the cost of production.

I have purchased one of your recent inventions, the "Caterpillar," and for the space of two months have experimented with it, with the result that I find it upon the whole, satisfactory.

I conclude that while it is adapted to many kinds of service, its special function is to simplify the age-long task of plowing, by cheapening it, and yet improving it. In the Caterpillar we have an almost incredible development and application of power.

To perform the work of forty horses, viz.: to draw 14 feet of plows, 7 inches deep, with the complement of harrows attached, with a machine weighing less than 9 tons, indicates a change in agriculture as great, if not greater, than that produced by the steam harvester.

My experience does not cover a sufficient length of time to enable me to speak critically about its durability, but thus far, the severest tests made by *inexperienced* operators have not revealed any weakness of construction.

I have plowed and harrowed delta lands, which, when uncovered, would not sustain the weight of a horse; under such conditions, the fuel expense was less than 40 cents per hour.

Finally, the practical efficiency of any machine depends much on the care bestowed on details and preparation for its work.

I have no hesitation in saying, that you have done for the farmer in the field of mechanics, what the College has done for him in the great field of Agricultural Chemistry.

Yours truly,
PETER COOK.

Arbuckle, Calif.

Pulling 42 feet of Gorham Seeders with Caterpillar, over very rough summer-fallow. Would take 30 head of good mules to do the same work.

THOS. B. WOHLFROM.



Columbia Agricultural
Company,
Clatskanie, Oregon.
Plowing reclaimed
Marsh Land



The Caterpillar
moves steadily over
land that looks even
dangerous to walk on



Condon, Oregon,

The Holt Mfg. Co.,
Walla Walla, Washington

April 3, 1910

Gentlemen :

We are running night and day with our outfit. I have two good men now. We are handling 12 plows, 14-inch, and a Dunham 15-foot soil packer. We are plowing for spring seeding only, and when we start summer fallowing, we will cut off two plows, and plow a little deeper. We are plowing about 4 inches now.

Yours very truly,

E. C. ROGERS.

Medford, Ore.,

The Holt Mfg. Co.,
Stockton, California

August 13, 1910

Gentlemen :

Replying to yours of August 5th, regarding Gasoline Caterpillar Traction Engine, which we have had in service for the past six months, will state that this engine is doing very good work. We have been using it for pulling stumps and brush and clearing land, also to pull road grader, and in fact for all traction purposes.

We find this a very powerful engine and has given us very good service.

Yours very truly,

FRANK H. RAY.



Caterpillar Plowing
Outfit owned by
Mr. E. C. Rogers,
Condon, Oregon



Pulling 14 Feet of Plows and
a 15 Foot Soil Packer



The Holt Mfg. Co.,
Stockton, California

Los Angeles, Cal.,
March 31, 1910.

Gentlemen:

I am farming to beans, two ranches of about 700 acres each. On one I work 30 head of horses. The soil is light and easy to work. On the other, I work your Caterpillar Engine and hire horses to do the light work. This latter expense will be cut out next season, when we will have the proper engine farm tools. The soil on this ranch is mostly heavy.

I have just written up my books for the two ranches, which I keep separate, and have the expense accounts of the two ranches, which I thought might interest you.

NOVEMBER 1, 1909, to MARCH 1, 1910.

ENGINE--

Depth of plowing, 10 to 12 inches.
Hours, 1,760.
Fuel--Lights, Oils and Distillates..... \$ 369.76
Labor 602.25
Repairs 14.00
Horse Hire and Labor..... 1,100.00 \$2,086.01

HORSES--

Depth of plowing, 4 to 6 inches.
Hours, 900.
Feed--Hay, \$12.50 per ton \$ 936.00
Grain, \$1.60 720.00
Labor 1,100.00
Repairs--Harness..... 65.00 \$2,821.00

We run the engine day and night, weather permitting, but since March 1st, having our work in hand, we overhauled the engine at an expense of \$375, which puts her in first-class shape for another season's run, as we will have only two weeks more work for her. We will then run her under the shed and discharge the engineers, as it will not take but eight head of horses to plant and cultivate until the beans are ready to harvest next season. While on the other ranch, we will have 22 extra horses to feed, at about \$6 per head, until October 1st.

Thanking you for past favors, I am,

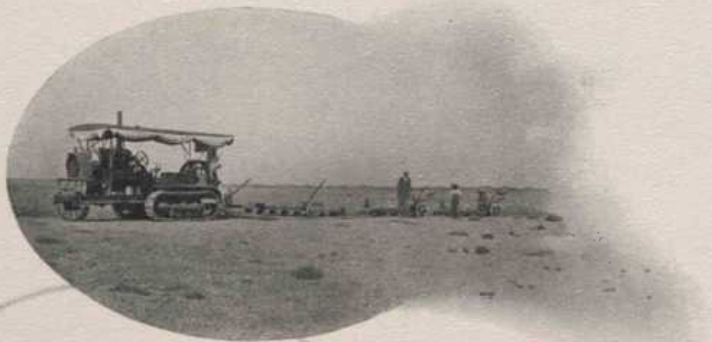
Yours very truly,

F. E. BARNARD.

Pulling 60 feet of harrows on the high speed. Harrow quarter section
per day.

Grimes, Cal.

CHAS. J. FROH.

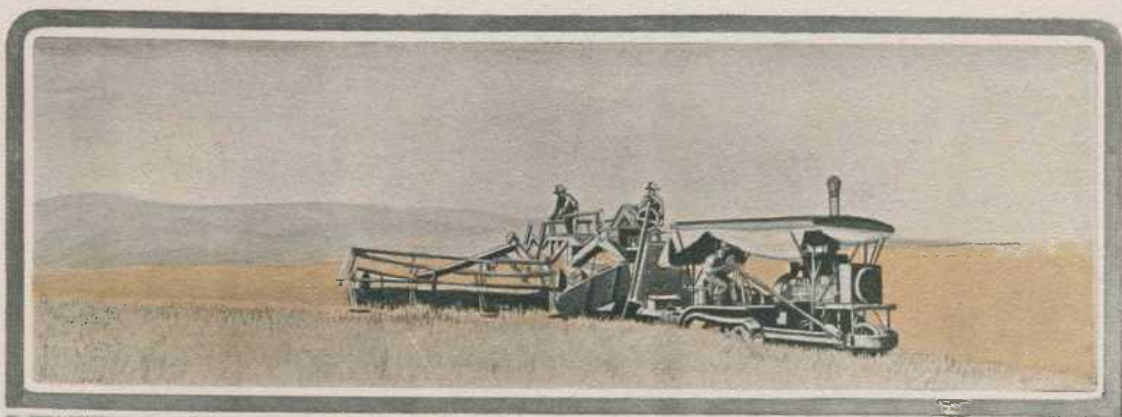


Plowing Outfit of
Iowa Land and Water Company,
Alpaugh, California



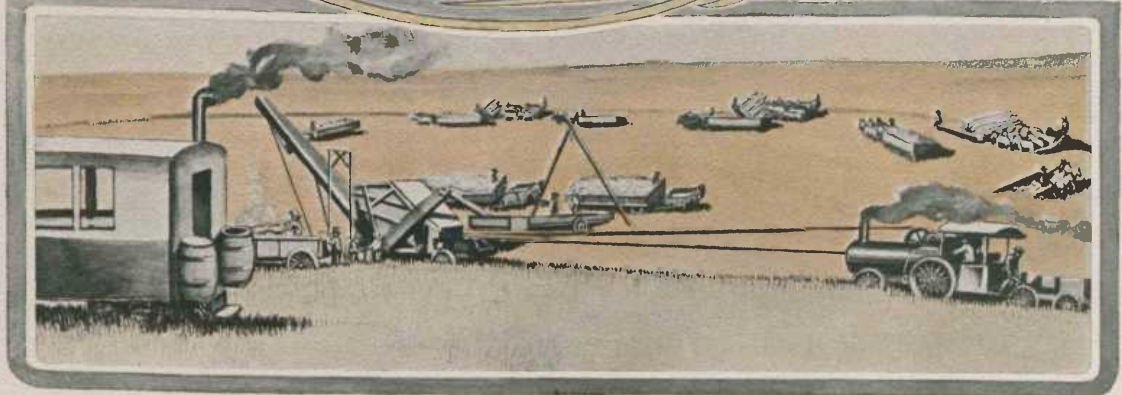
Pulling 14 feet of Plows
with Harrows





AS EVIDENCE OF REAL WORTH of the Caterpillar in the Harvest Field, in the following pages we are pleased to present the opinion of users. Accompanying these opinions are shown photographs of many different machines in operation.

The value of the Caterpillar in the harvest field can not be over-estimated. The Harvest season is a time when every moment counts and much must be done in a short period. Herein is where the Caterpillar has the greatest advantage. It takes but one man to operate it, freeing you from possible labor troubles. Its speed, a bit faster than ordinary horse travel, with its ability to keep continuously moving, allows an immense acreage to be cut each day. Its steady even power affording threshing and cleaning to be done with less possibility of waste than any other method, together with its low cost of operation, makes it an ideal power for a harvester.





Thornton, Cal.,

The Holt Mfg. Co.,
Stockton, California.

August 17, 1910

Gentlemen:

Our Caterpillar Engine, No. 1004, which we purchased from you the first part of December, 1908, has just finished its second season of harvesting 1,500 acres, on our land at Thornton.

Since purchasing the Caterpillar, we have plowed and harvested for two seasons, 1,500 acres each season, making a total of 3,000 acres. During this time, the total amount spent for repairs has been \$425.96. The cost of repairs per acre is, therefore, about 7 cents. The original Caterpillar track is still on the engine and is in good condition.

The engine is very economical and is doing our work for less than one-half of what it would cost us to do the same work if we used horses or mules.

Yours very truly,

HICKEY & LAMB,

Per J. J. Hickey.

Buttonwillow, Cal.,

The Holt Mfg. Co.,
Stockton, California.

August 23, 1910

Gentlemen:

In reply to your letter of July 27th, we have had our Caterpillar Engine in use about five weeks, harvesting. It is giving very good satisfaction, and the best testimonial that we can give, is the fact that we have ordered another engine, which we received to-day.

Yours truly,

MILLER & LUX, INC.,

Per James Ogden, Superintendent.