

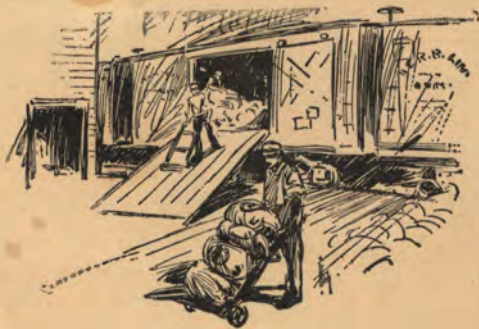


Chicago
ENG. CO.

"CASE"



COURIER



SPLENDID OUTLOOK FOR GRAIN GROWERS

The year 1904 will be remembered long for its short wheat crop, which will fall almost 100 million bushels short of the 1903 production (638 million bushels). And 1903 fell 32 million bushels below the 1902 yield.

Barring the present year, the most potent cause for the large decrease has been due to a shorter acreage, for the average yield in the United States rarely falls below twelve bushels to the acre. It is more often above.

When it is remembered that the consumption of wheat in its various food forms is constantly increasing the world over, the *phenomena* of "Dollar wheat" becomes less a *phenomena*. Another mighty factor sure to carry wheat prices to higher planes is the Russo-Japanese war now being waged in the far East.

Russia with its 552 million-bushel-production in 1903 is our greatest competitor in the European wheat market. With the more serious business of flogging the Japanese on her hands there must be a large falling off in her yield of wheat, and, at the same time, an abnormal market is created for the cereal in maintaining her great armies.

The Yankee-Japanese are also developing an appetite for wheat foods in preference to rice. As wheat can be raised only in a very restricted area in northern Japan, it follows that the wheat demand of this remarkable people must be supplied by the American farmer.

And this brings us to our concern in these matters. Our welfare is linked inseparably with that of our farmers here. We want to see them growing bumper crops of wheat and exchanging every sixty pounds of it for a big, round, shining silver dollar (or even more). We want to help make this wheat worth every dollar by having it threshed with CASE machinery—to save every grain possible—to clean it so perfectly as to make it grade the highest.

CASE Machinery will do this.

Why and how is explained in our annual catalog. This book is soon to be published for 1905 and is mailed absolutely free, without any obligation whatever attaching, to all applicants.

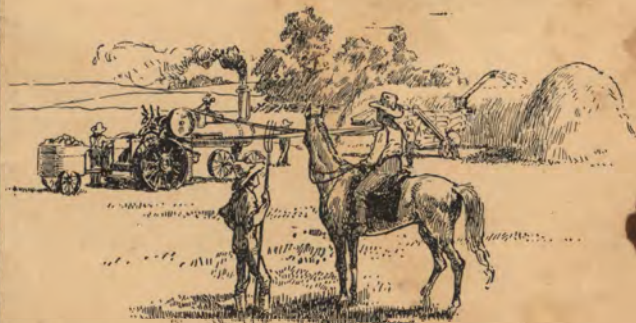
We want every farm home to have one—that the splendid merits of CASE Machinery may be known far and wide. Therein is our profit.

Send now before you forget:

SUPPLEMENTS TO THIS CATALOG IN THE GERMAN, FRENCH, OR RUSSIAN LANGUAGES WILL BE SENT WITH IT ON REQUEST



THE AVERAGE COUNTRY BOY'S FATE IN THE CITY, CHAINED TO A DESK FOR LIFE AT \$12.00 PER WEEK



THE COUNTRY BOY WITH A "CASE" OUTFIT MAKES MORE IN ONE WEEKS THRESHING THAN HE IN A YEAR

THE CASE COURIER 1905

Of Interest to those who follow Threshing as a Business; to those who Grow Grain (Whose Number is Legion) to those Ambitious Young Men of the Farms Who are Desirous of Making a Substantial Start in Life and Who are Able and Willing to Perform the "Not Easy" Work of the Hustling Get-there Thresherman. Be Advised.
J. I. CASE THRESHING MACHINE CO. RACINE, WISCONSIN, U.S.A.



THE YEAR 1904 has been one of great growth for our Company. Many acres of new property have been purchased, on which have been built additional shops, and a two-story, fire-proof storage building, 192 feet wide by 600 feet long. In this immense building can be stored the entire output of an ordinary factory for one year—a sure safeguard against all possible contingencies. There is also in course of erection a handsome and thoroughly modern office building, having a street frontage of 160 x 96 feet, and a height of three stories. We mention these matters merely as material evidences of the Company's general prosperity. For such prosperity there must naturally exist a substantial basis. It is the increasing world-demand for CASE machinery. The demand is due, in turn, to the genuine good qualities of the machinery, and the unfailing and unequaled satisfaction it gives to the purchaser. We are at your further service.

J. I. Case Threshing Machine Co.

RACINE, WISCONSIN U. S. A.

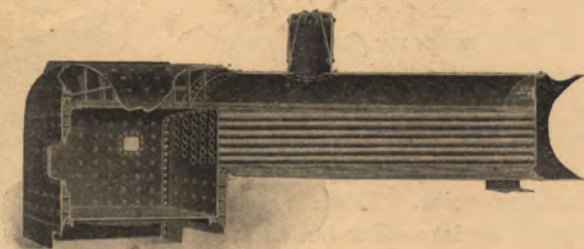


THE purchaser of a steam traction engine needs to discriminate with unusual care. For there are many makes and all bear that hackneyed label, "The Best made."

Each may be meritorious in one or more features but sadly lacking in the complete make-up. Such engines soon prove detrimental to the owner and off he goes to another manufacturer with a "trading proposition" up his sleeve.

So many have and continue to come to us wanting to trade in machinery (engines especially) for one reason or another. In fact, this has been one of the hardest problems we have had to contend with in recent years. It does not occur to our friends that if such machinery has proven a failure with them it would be folly for us, as manufacturers of standard goods, to handle it for our account.

Now, if you, Mr. Reader, are contemplating the purchase of an engine, will you not carefully study the illustrations and the brief descriptions of CASE engines as given herein: Remember, also, that our large machine book for 1905 gives more complete information.



Sectional View of Boiler. Observe the Large Fire Box and Length of Flue.

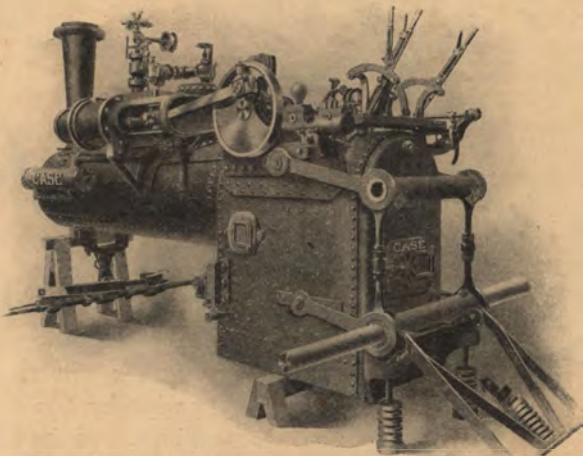
THE BOILER

A right start should be made here because the boiler must contain the furnace, carry the water for generating the steam, serve as a foundation for the engine mechanism and, withal, be subjected to a constant internal pressure of 130 pounds on every square inch of surface. This means a total pressure of several hundred times 130. Then there are the outside strains.

In our long experience as farm engine builders we have tried all types of boilers. The knowledge thus gained has led to our adoption of the type used by all railroad companies—the locomotive tubular, open-bottom-firebox boiler.

As to material, we require the best boiler plate steel of 60,000 pounds tensile strength. Every sheet is inspected, tested and stamped to evidence its stability.

As to construction, in years past we had our boilers made by outside parties but finally decided that the only way to secure boilers, which would measure up to our exacting requirements, was to build them ourselves. So at a cost of many thousands of dollars we have erected the largest boiler shops in the country and equipped them with machinery of the highest class for doing perfect work, and perfect work is done.



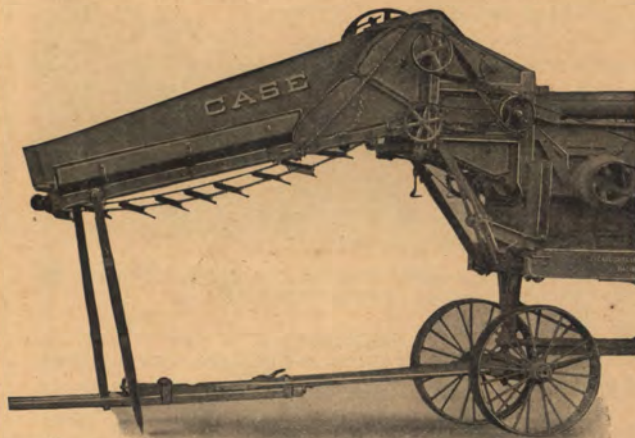
In Course of Erection

Every boiler is subjected to a cold-water pressure of 200 pounds to the square inch (a severe test), and is again tested under steam when the completed engine comes from the erecting shops.

LAYING THE FOUNDATION FOR A "CASE" OUTFIT



FEEDER AND BAND CUTTER



The Carrier is Made in Two Lengths

A few words about our feeder. It is a positive success. We build them, though, for CASE separators only and as a part of the machine. So they are fitted well—not in a hit-and-miss manner, as many are.

It feeds high onto the cylinder.

The speed of the rake is changeable.

It permits easy access to the cylinder, but you won't have to go there often.

Will not wind in wet grain or long straw.

The revolving retarders in the hopper bottom hold back the bottoms of bundles while the tops are being fed in.

The governor and the big cylinder will take care of any slugging.



**IT'S THE
MACHINE
THAT MAKES
THE MAN**

CASE WEIGHERS, LOADERS AND BAGGERS

Six Styles to Select From.



High Loader for Elevating Grain into Wagon Boxes

The CASE weighers, loaders, baggers, "bushelers," are each and all an unqualified success. They are reliable, accurate and give no bother whatever.

Six different styles afford a selection for all sections.

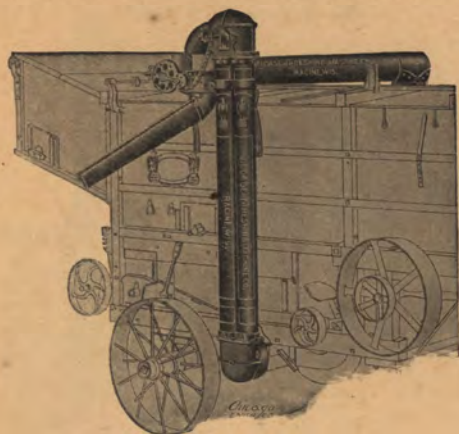


Short Bagger

It is fitted with tallier and holders that don't tear the bags.

Remember, all are made of sheet steel, double tube pattern, set perpendicular with the machine so the circular discs inside remain level, not dragging on the sides and spilling the grain.

LOW LOADER WITH CONVEYOR FOR DELIVERING GRAIN ON EITHER SIDE OF MACHINE



**Note How Close to the Machine These Attachments
Fit**

Nothing in the history of threshing machinery has given such unvarying satisfaction as the CASE Grain Attachments. We put them on the market in 1899 and for five years the sales have increased so rapidly as to tax our manufacturing facilities. This department employs hundreds of men, and is one of the sights of the factory.



**Register with Tallyer for Use with Half or Bushel
Measures**

PLOWING WITH STEAM



**Can be Used with Disc or Moldboard Plows, in
Gangs of Five, Six or Seven**

For plowing by steam we make to use with our traction engines a steam plow attachment that has amply demonstrated its utility and adaptability in plowable lands. If you are interested, write for special circular showing what has been accomplished by purchasers.

Saves Fifty Cents on the Dollar

We used the CASE plow attachment in my field a part of two days and plowed forty acres. Could have plowed more land but was only showing the people what it would do.

The work was as good or better than could be done with horses. We used three different makes of plows at the same time, to show that good work could be done with different makes of plows, as most farmers have two or more makes.

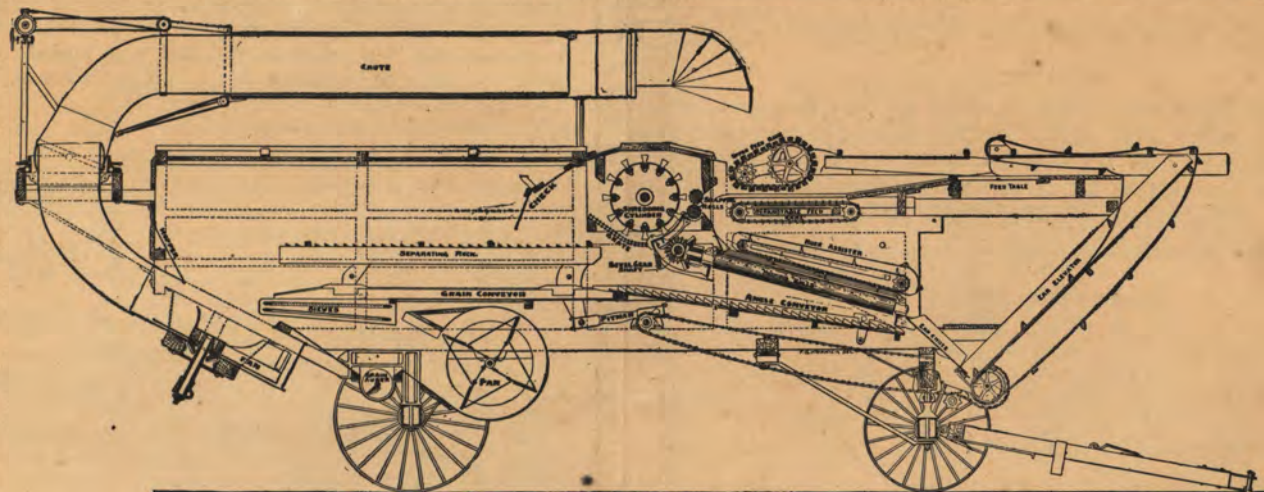
I used my CASE 20-horse simple engine and my expenses were about 30 cents per acre, and I believe I can plow at 25 cents per acre on most of the land here, as we pulled 15 discs—which is equal to a 30-horse team, or five 6-horse teams. This would make the plowing with horse teams cost \$18.00 per day, or 50 cents per acre, which would make a difference in cost in favor of steam plowing of about fifty cents on the dollar.

L. N. JOHNSON.

WICHITA FALLS, TEXAS, January, 1904.



CASE CORN HUSKER-SHREDDER



Sectional View

Our 1904 machine has been modified somewhat, strengthened where experience has shown that it should be stronger. With such improvements it will, we are confident, demonstrate its capacity to handle the corn crop in all its varying conditions in a manner most satisfactory to the maker and the operator.

We shall continue to furnish them in but one size—10 rolls for husking and snapping rolls 41 inches in length.



CASE Husker Equipped with Bagger and Wind Stacker. Left Side

There will be feed tables on each side six feet long; a table in the center with an opening for the feeder but well out of reach of the feeding mechanism.

The husking rolls are cast on a $1\frac{1}{8}$ -inch shaft and turned down on lathes to $3\frac{3}{4}$ inches. They are 44 inches long, and fitted with husking pegs of special design.

The shredding cylinder combines the good features of a knife shredder and a threshing cylinder. It is 20 inches in diameter and runs 950 revolutions.

The Adjustable Feeding Apron can be set forward or back 7 inches to suit the various lengths of stalks.

The Ear Elevator is nine and one-half feet in length, which gives a delivery well away from the machine. It is arranged to fold on top of the husker without being detached.

The Truck Wheels are of steel with staggered spokes and 6-inch tires. Front wheels are 30 inches high and will turn under the sills. The rear wheels are six inches higher.

Such in brief is a description of the CASE Husker-Shredder and which, with the illustrations, will aid the reader to an understanding of the machine. We issue a special catalog on the subject which contains dimensions, prices, and other valuable information.

Send for it.

Booked \$2800.00 in Forty Days

The CASE 36-58 separator purchased this season did the fastest and the best work of any machine in the county and I booked over \$2800 00 in less than forty days. In our two big days' work we threshed 3225 bushels of grain and lost two hours by rain.

The big cylinder is two-horse lighter than the same length 12-bar.

E. L. PARKER.

CHEYENNE, KANS., Nov. 2, 1903.

We Prosper Because Our Customers Prosper

Read the following letters, of which we have thousands, and consider YOUR OPPORTUNITIES for doing as well. You need not be a genius—just a hustler and the owner of a CASE Rig. Let us send you our Complete Catalog for 1905, containing printed prices FREE for the asking

Earned More Than \$9,000.

We have run a CASE separator fifteen seasons and it runs as well the last season as it did the first. The machine has earned for us more than \$9,000.00. If a man can't win out with a CASE, he has missed his calling to thresh at all.

FOWLER & Co.

Princeton, North End, Ill., Sept. 2, 1903.

Cleared \$1,000 Plowing.

I plowed with my engine last summer, drawing three gangs, and cleared over \$1,000.00. I used the plowing attachment made by the CASE CO., and it gave splendid satisfaction. I can recommend the CASE to anyone wanting this kind of machinery.

LOWRY HANNA

Percy, Assa., Feb. 4, 1904.

Earned \$35 Per Day.

The CASE outfit we bought is all right—runs fine, does good work and gives good satisfaction.

We were out 24 days, average was \$35.25 per day, or \$846 in all.

DAVID RUSSELL & Co.

Dana, Ind., Oct. 10, 1903.

Booked \$1,800.

In regard to the CASE large cylinder separator, it is a "dandy" and the feeder is all right. The Wind stacker is a "crackerjack." The 20-horse engine is a "peach." We booked \$1,800.

WALTER WEBSTER.

Ulmer, Sac Co., Iowa, Dec. 12, 1903.

Paid His Notes Before They Were Due.

I bought a CASE 15-horse simple engine and 32-54 separator with wind stacker and weigher; had never operated an outfit before, but succeeded in earning \$2,871.90. Paid cash for my feeder and paid my notes before they were due. Threshed 67,000 bushels of wheat.

LOUIS WELPMANN.

Higginsville, Mo., Dec. 6, 1902.

Booked \$2,800 in Forty Days.

The CASE 36-58 separator purchased this season did the fastest and the best work of any machine in the county and I booked over \$2,800.00 in less than 40 days.

TESTIMONIALS

In our two big days work we threshed 3,225 bushels of grain and lost two hours by rain.
E. L. PARKER.
Cheyenne, Kans., Nov. 2, 1903.

Made \$7,050 in One Month.

I wish to let you know that my CASE machine runs very good. The farmers are all satisfied with it. We made this year \$7,050 in about a month—much better than we expected.

FRED BENTZ

Lincoln, N. D., Oct. 24, 1903.

\$2,000 First Fall, More the Next.

The CASE 25-horse simple engine cannot be beaten in any respect for pulling and for threshing any kind of grain.

The CASE separator with the big cylinder is a "dandy." We threshed out \$2,000.00 this fall and expect to get more next fall.

HAKEN THOMPSON.

Lacqui Parle, Minn., Dec. 15, 1903.

Booked \$2,300 in Sixty Days.

Our new CASE threshing outfit is the most durable and best running outfit on the market. It consists of 36-54 separator and 15-horse engine, CASE feeder, wind stacker and CASE weigher.

The stacker does its work first-class, also the weigher. There is no equal to the CASE feeder.

The big cylinder does perfect work, takes care of all the straw that four men can crowd through the feeder, and does clean work.

The CASE adjustable sieves can be regulated any moment while the machine is running for any kind of grain. We have run sixty days, have booked \$2,300.00 and have yet a three weeks' run.

J. W. SKALA,

C. V. HERVEST.

Gibbon and Ravenna, Nebr., Dec. 8, 1902.

"Cleaned Up" \$3,100 in Sixteen Days.

The J. I. CASE wind stacker bought this fall is all right, for it gave no trouble and runs very light. I have a CASE 20-horse compound engine, 40-62 Agitator separator and feeder. I cleared up \$3,100.00 in sixteen and one-half days with eight bundle teams. Farmers were well pleased.

H. C. STYER.

Meckinock, N. Dak., Oct. 13, 1903.

Threshed 15 Days—Booked \$3,030.

I bought a CASE 20-horse simple engine, 36-58 separator, No. 1 weigher, feeder and wind stacker; have threshed 55 days to date, booked \$3,030.00 and burned straw all season. The engine is an easy steamer, plenty of power in the belt and on the road. The separator cannot be beaten.

ROBERT WILLIAMS.

Canova, So. D., Nov. 16, 1903.

TESTIMONIALS

The Most Up-to-date Catalog

Your kind favor in the shape of your 1904 catalog received, for which accept thanks. It is the most up-to-date catalog and in the clear description of machinery, gives the reader a clear idea and impresses one with the thorough manner in which your goods are finished.

The CASE surely leads where others follow.

A. T. McCLOUD.

R. F. D. 6, PONTIAC, ILL., Jan 28, 1904.

Earned \$5,500 in 33 Days.

I bought a CASE complete steam outfit in 1903. The engine is a 20-horse, compounded, which gives entire satisfaction and has plenty of power.

We threshed in one day 2,947 bushels of wheat with a 40-62 large cylinder separator. Have a feeder, weigher and wind stacker, which are easy to operate and give entire satisfaction. I booked in 36 days' actual threshing \$5,500.

MARTIN J. OLSON.

Britton, S. Dak., Jan. 18, 1904.

Cleared \$1,000 in Fourteen Days.

Fourteen days ago I unloaded and started running one of your 15-horse engines and a 32-54 Separator bought from your agent, T. H. Shive, at Vernon, Texas. Have threshed in the fourteen days 20,000 bushels of wheat, 2,500 bushels of oats, and have cleared in cash \$1,000.00.

Although I have never operated threshing machinery before I have not had any trouble and have given entire satisfaction to parties I have threshed for. The CASE is a money maker, and is good enough for me.

Vernon, Texas, July 9, 1903.

RUDOLF STREIT.

Started Him on the Road to Success

I ran a CASE 12-horse power rig for several falls in Cerro Gordo Co., Iowa. Was very successful and got my start running your thresher. When I began threshing I had a team, wagon and a few household goods and was about \$1,000 in debt. Paid this and for the machine in full and had money enough in addition to start in the wholesale jewelry business on a small scale.

At this time I have nearly \$250,000.00 loaned out at interest and besides own a large amount of real estate. The last fall I threshed was 1887. During an 80-day run I was not compelled to stop once on account of anything getting out of order.

When my wife and parents learned that I was thinking of buying a threshing machine, all opposed it, claiming that it would be the ruination of me as threshing did not pay, all threshers went broke, etc. Regardless of their protests I made the purchase and candidly believe had I not done so, that I would still be farming land on shares. Very respectfully,

WILLARD F. MAIN.

Iowa City, Iowa, March 23, 1904.

TESTIMONIALS

Earned \$6,000 in One Season.

We have been running a CASE 36-58 separator, with self-feeder, weigher and wind stacker and 15-horse traction engine for the past three years. This season our threshing bill amounted to almost \$6,000.

The feeder has worked to perfection and we have had no trouble whatever with hot boxes. We have had a splendid run.

W. T. ATKINSON & BRO.

Denver, Colo., Nov. 11, 1903.

Wants To Discount His Notes.

We are well pleased with the 6-horse portable engine. It furnishes plenty of steam and is easily fixed.

The CASE 18-26 separator will thresh two bushels of wheat or three bushels of oats, per minute, and do the work O. K. Our customers are well pleased.

Send our notes to the bank so we can discount them September first.

D. S. BEATY.

Sunny Brook, Ky., July 14, 1903.

Earned \$4,400.

The CASE threshing rig, consisting of 40-62 separator, feeder and wind stacker and 25-horse simple engine, has given us excellent satisfaction. During the season we threshed 110,000 bushels of wheat and oats at 4 cents per bushel.

A. E. WILSON.

W. J. HARRIS.

Indian Head, Assa., Feb. 28, 1902.

A Clear Profit of \$2,000.

I have run my CASE 40-62 separator six years and this season I have threshed 58,393 bushels at a clear profit of \$2,000.00, and have given good satisfaction to all my customers. I see no reason why I cannot run six years more as my machine is good as ever and my repairs have been very light.

M. O. STELLOR.

Enid, Okla., Sept. 19, 1903.

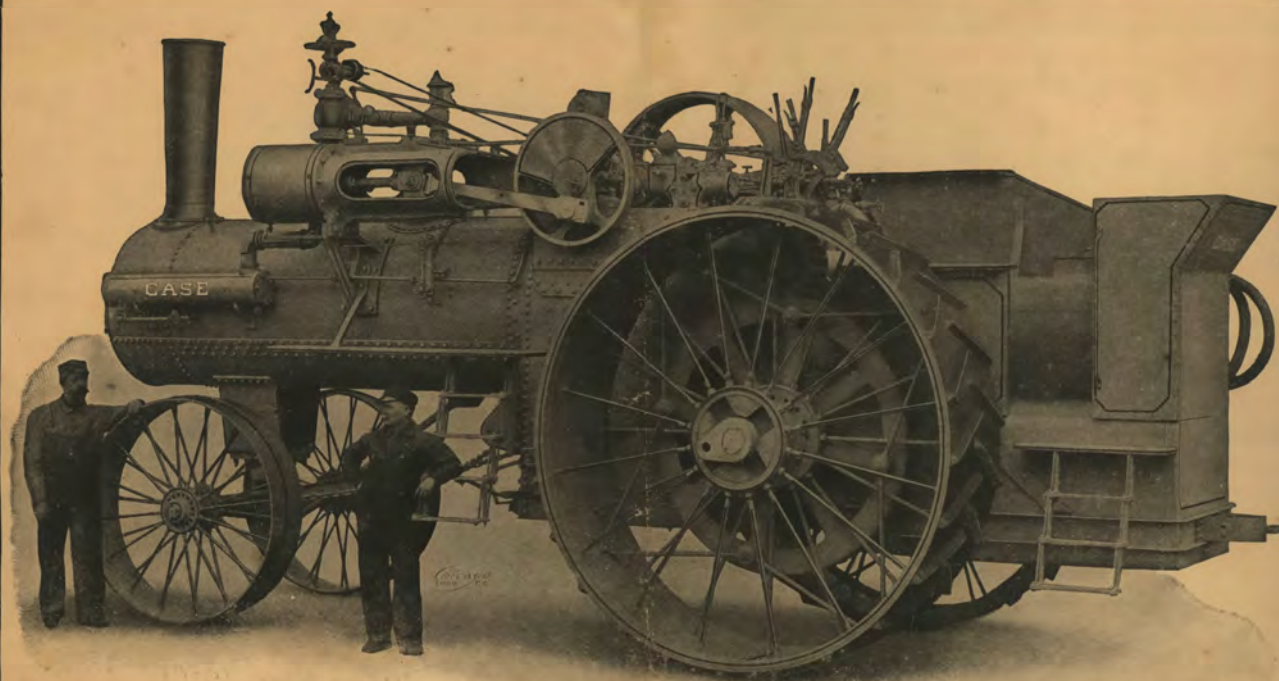
CASE Booked \$2,645

The CASE threshing outfit purchased last year gave good satisfaction. The best day's run we threshed 3,000 bushels of oats and 520 bushels of wheat. In the 5 days' run we threshed 74,700 bushels of grain and booked \$2,645.00.

ELIAS GUNTERSON.

Bryant, S. Dak., Jan. 27, 1903.





THE CASE ROAD LOCOMOTIVE

The Largest Road Engine in the World. Cylinder 14 inches by 14 inches. Drive Wheels 8 feet in Diameter. Power Steering Device, etc. Spring Mounted. Note Simplicity of Design.

PARTIAL PRICE

SEPARATORS

18-in. Cyl.	36-in. rear	\$310
24-in. "	42-in. "	340
28-in. "	46-in. "	375
28-in. "	50-in. "	385
32-in. "	54-in. "	425
36-in. "	58-in. "	475
40-in. "	62-in. "	525
44-in. "	66-in. "	575

Feeders, (all sizes)....\$175

Case Wind Stackers, Cash.....\$235

Case Wind Stackers, Time.....250

HORSE POWERS

WITH
EQUALIZERS

6-horse.....	\$160
8-horse.....	170
10-horse.....	180
12-horse.....	190
14-horse.....	200

Weighers, Nos. 1
and 2..... \$75

LIST FOR 1905

THE MOST POPULAR ENGINE EVER BUILT

PORTABLE.

6-horse, simple, \$585.—9-horse, simple, \$765; compounded, \$850.—12-horse, simple, \$900; compounded, \$950.—15-horse, simple, \$1,000; compounded, \$1,100.—20-horse, simple, \$1,200; compounded, \$1,300.—25-horse, simple, \$1,400; compounded, \$1,500.

TRACTION.

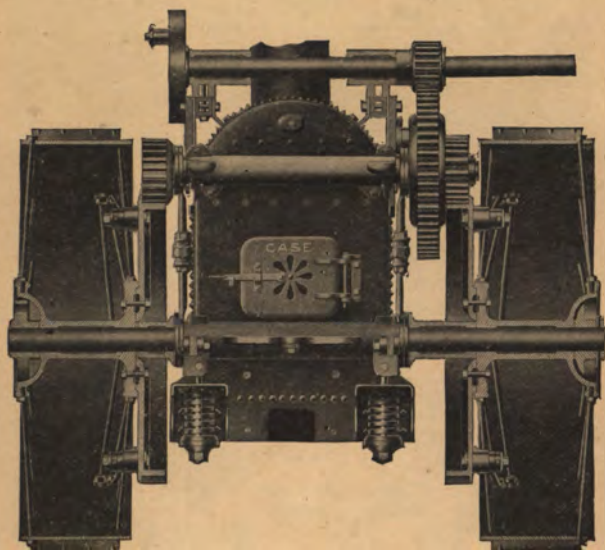
9-horse, simple, \$1,150; compounded, \$1,200.—12-horse, simple, \$1,275; compounded, \$1,375.—15-horse, simple, \$1,425; compounded, \$1,525.—20-horse, simple, \$1,650; compounded, \$1,750.—25-horse, simple, \$1,950; compounded, \$2,050.

For Straw Burning attachment including Jacket on Boiler, add \$50 to above prices.

The extraordinarily large firebox, the long tubes and the well regulated draft make the CASE Boiler an exceptionally easy steamer on a nominal consumption of coal—an important item to farmers who furnish the fuel. At slight expense they can be fitted to burn straw, and then changed again for coal or wood when circumstances require.

SPRING MOUNTING

The CASE is the only truly spring-mounted traction engine on the market, and we have a hard-and-fast patent on the method. Instead of compelling the boiler to stand the stress and strain of the drive wheels we place the rear axle behind the boiler, the countershaft as well, and encase them in strong bearings which extend the full width of the boiler. The extensive wearing surface thus afforded keeps the driving gear perfectly aligned during the life of the engine.



The Boiler is Suspended on Springs

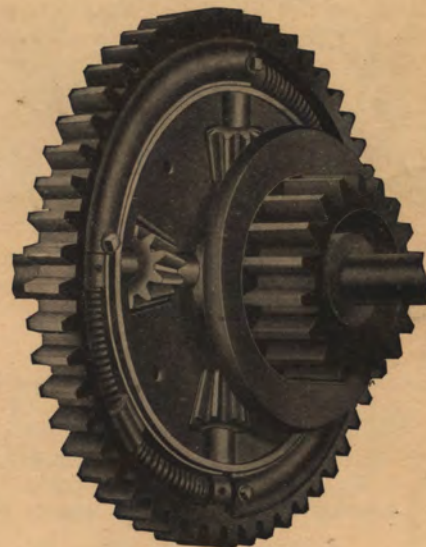
In the illustration it will be noted how the boiler sets on springs, which are supported by eyebolts suspended from the lower "cannon bearing," as we call it. When the drive wheels come in contact with an obstruction the ensuing shock is absorbed by these springs.

The other illustration of an engine partly erected shows the side or drag links connecting the boiler, the countershaft and the rear axle. The upright bars, which have turnbuckles for adjustment, maintain the vertical

position of the countershaft, and, with the side links, keep the cogs of the traction gear in proper mesh.

By swinging the boiler in front of the axle more weight is thrown on the front wheels. With such distribution of weight bridges are crossed with more safety and in climbing hills the front wheels will not lift.

THE COMPENSATING GEAR is the mechanism for equalizing the difference in speed of the drive wheels when turning corners. It is an essential part of an engine and will cause trouble a-plenty unless properly constructed of good material. The engraving below shows the CASE Compensator. It is placed on the countershaft and the springs inside the rim of the gear absorb all shocks caused by sudden starting of the engine. Reference should be had to our large catalog for a more complete description of this superior device, which is found only on CASE Engines.



Compensating Gear

A Fast Traveler and a Good Puller

Every part of our Case outfit worked to our entire satisfaction. We exchanged our portable engine for CASE 12-horse compounded traction, and must say that we are delighted with its performances. Easy to steam, a fast traveler, and a good puller.

BEDFORD THOMPSON.

WINNIPEG, MAN., Nov. 30, 1903.

DRIVE WHEELS

OUR DRIVE WHEELS are the best built-up type, much superior in strength and in freedom from breakage to the solid, cast-iron variety.

The braces extending from the large gear to the drive wheel rim relieve the hubs and spokes of a large part of the strain of propulsion. We have had no trouble whatever with the thousands of these wheels now in use



Drive Wheel and Lug Gear

THE ENGINE

OUR ENGINE is the side-crank kind, with girder frame, which is overhanging and self-aligning. As mounted on the boiler it is entirely free from expansion and contraction caused by the varying heat in the boiler.

Bored guides are used as they are the best. The slide valve is the plain, simple D pattern, than which none less troublesome or more serviceable has ever been contrived.



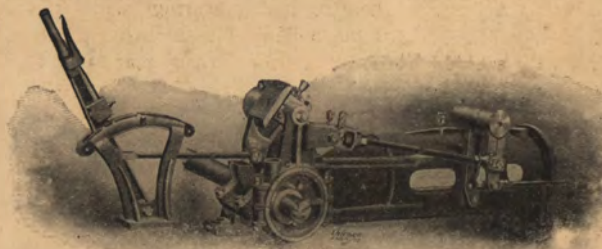
Piston, Crosshead and Connecting Rod

THE PISTON is of ample width to give good wearing service. Its packing rings are self-adjusting and afford a perfectly steam-tight joint without causing unnecessary friction.

THE CONNECTING ROD is forged from one piece of steel with no welds or straps of any kind. Its unusual length lessens the friction between the crosshead and guides.

THE SHOES of the crosshead have large bearing surfaces and are made adjustable to one sixty-fourth of an inch.

A SINGLE ECCENTRIC VALVE GEAR (WOOLF PATENT) is the one used on all CASE Engines and has been for several years past. They are a soundly demonstrated success on traction engines, are less complicated than the link gear, more reliable, more durable.

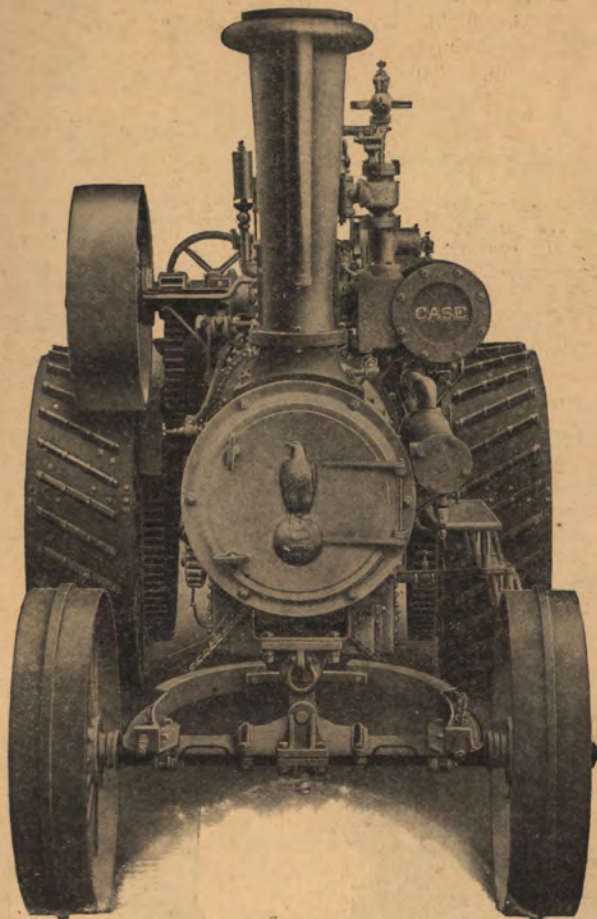


Single Eccentric Valve Gear

The valve motion on our single-eccentric gear will not only promptly reverse the engine without jarring but can also be set to vary the cut-off in proportion to the amount of power required.



TRACTION ENGINES



As Seen From the Front

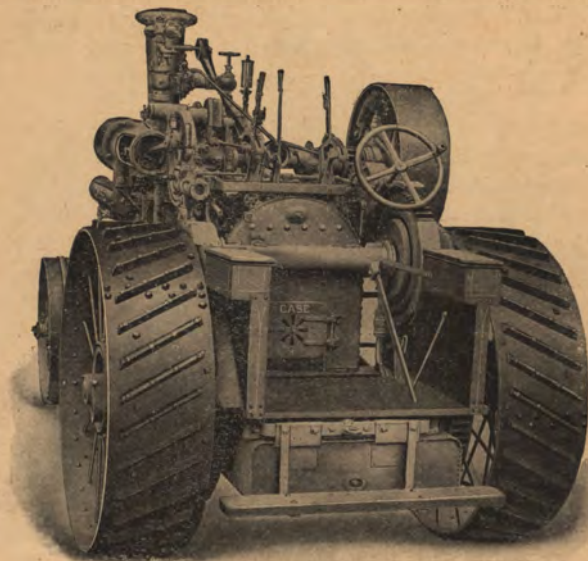
In this from-the-front view of the CASE engine will be noted the construction of the front axle. Observe that the bolster is pivoted on a steel pin. This arrangement permits the front wheels to accommodate themselves to irregular surfaces without straining the boiler.

Note the wide tires with bands shrunk in the center to prevent side slippage.

The large door in front gives access to all the tubes. (A "snap" for cleaning.) The cast-iron stack will never rust or burn out and is fitted with a spark extinguisher that does the work.

The position of the fly-wheel gives unimpeded movement to the drive belt.

THE PLATFORM VIEW BELOW discloses general handiness. All levers are within easy reach, so are the steam pump, the injector, the steam gage. The springs under the platform make life easier for the engineer while the water tank there is out of the way. The wide foot board saves the shins and the draw bar has springs to prevent the breakage of separator or tank tongues.



Platform View

A Fine Catalog Full of Cuts

Your large catalog reached me to-day. Please accept thanks for same. It is a well got-up and a very fine catalog, full of cuts of the best machinery produced in the United States. My threshing has been done with CASE machines continually for the past 26 years.

GEO. G. BROTHBY.

Goose Lake, Iowa, Jan. 22, 1904.

"Cleaned Up" \$1,003.65

The CASE separator and horse power worked well. My best run was from 1,000 to 1,100 bushels of wheat a day. In good grain we threshed three bushels a minute. I have been moving around a great deal, but have done more threshing than any other machine here. I "cleaned up" \$1,003.65. Wherever I have threshed they have been well pleased.

O. S. CARLSON.

Mandan, N. D., Nov. 16, 1902.

SYMMETRICAL APPEARANCE

It will be observed from the engravings that we have not overlooked the value of symmetrical appearance and proportions in designing our traction engines. Study the illustration below, which is absolutely true to the original. It shows the size rated 20-horse power, with cylinder dimensions of 10x10 inches—a low rating for the power actually developed under the brake, which is 60-horse.

THE TWO-WHEEL TENDER behind is an extra equipment and an unqualified success. It guides both ways with the engine through the rods and chains connecting with the front axle. The circular shape of the tank admits of close connection to the engine platform. A quantity of coal can be carried on top and the shovel chute in front brings it within convenient reach without stooping. The water capacity of the tank is sufficient for a four-mile run.

THE FULL-LENGTH CANOPY TOP is supplied extra when specially ordered. It is six feet wide and made in two lengths, eight or eleven feet. As a protection from the hot sun or rain they are very serviceable and we recommend their use.

HEAD LIGHT

Every owner of a traction engine should equip it with a headlight. Enterprising threshermen often move from one setting to another after dark, and in such cases our headlight will prove a reliable road finder and prevent possible accidents. The flame will not extinguish on rough roads nor in windy weather. These headlights are handy also around the barn.

Complete CASE Rig and Engine Tender

We purchased this season a CASE 20-horse engine, 36-58 separator, wind stacker, feeder and weigher, and two-wheel engine tender and must say that same has given us entire satisfaction. The engine is an easy steamer and the big cylinder separator is O. K. in all kinds and conditions of grain.

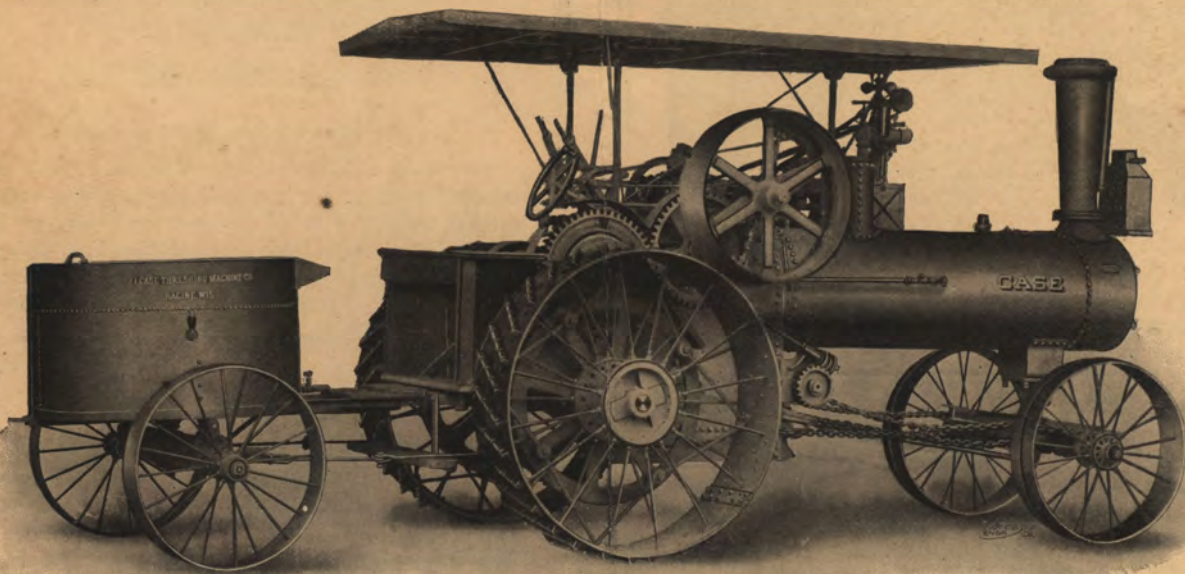
A. JUST, Manager RAPIDAN THRESHING Co.
Rapidan, Minn., Nov. 21, 1903.

The Best Gears Ever Put on a Threshing Engine

I am well pleased with the CASE 25-horse engine—never was better pleased with an engine since I have been in the threshing business. It is powerful both on the road and in the belt, and has the best gears ever put on a threshing engine. Take the engine in all points there isn't a better for the thresherman

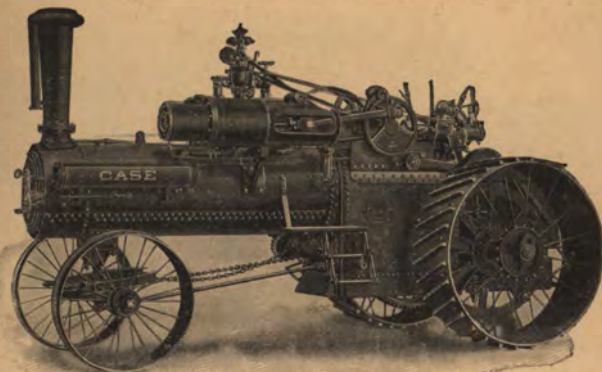
ALVIN LONGBOTTOM.

Seaforth, Minn., Oct. 14, 1903.



Good to Look at, Better to possess

CASE COMPOUNDED ENGINES



Left Side Compounded Traction Engine. Rated 25-Horse. Illustration from Photograph

WE illustrate above our 25-horse compounded Traction engine, which is representative of the other sizes in general construction.

The steps on side for reaching the engine mechanism are omitted on the 9-horse as on that size all parts are accessible from the ground.

Note the front draft door of the ash-pan. There is another at the rear and both are operated from the platform. Hence the benefit of the wind can be had from either direction.

The large, grooved roller for the guide chains, with the steering rings on the front axle, and the springs for keeping the chains taut, are the features which make CASE engines easily controlled on the road.

The feed-water heater on the front end of boiler, through which the exhaust steam escapes to the smoke box, is so contrived that the water is raised to a high temperature before it enters the boiler. In this way we not only employ the steam twice in producing power but again to heat the water, and lastly to increase the draft in the stack.

PORTABLE ENGINES

We build portable engines in sizes six, nine, twelve, fifteen, twenty, and twenty-five horsepower. The illustrations show our new Nineteen 'Four style 6-horse portable for general farm uses, and to drive our 18 inch separator. A light team will handle this engine anywhere. The cylinder dimensions are 6x8 inches, firebox 26x20x31 inches. Has thirty-two 1 $\frac{3}{4}$ -inch tubes. The

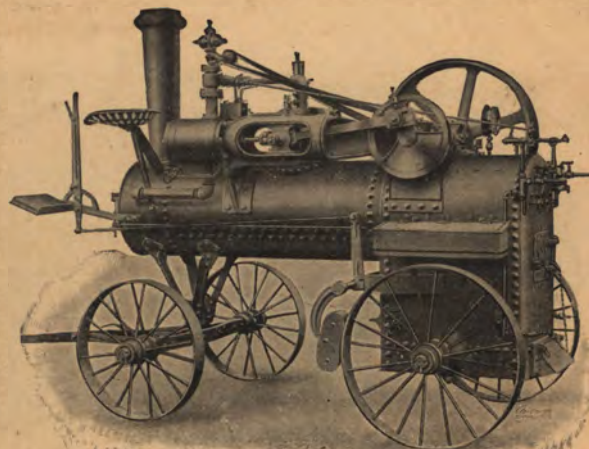
fly-wheel is thirty-six inches in diameter with 7 $\frac{1}{2}$ -inch face. Diameter of the truck wheels: front, 36 inches; rear, 42 inches.



A Fine Little Farm Engine

The powerful brake, operated from the driver's seat, will control on the steepest grades.

All parts of the engine can be reached from the ground. The tool box on the side will be found most convenient for wrenches, waste, oil, and the like.



Viewed from the Left

The feedwater heater and the steam pump are not furnished but two injectors instead of one are supplied.

We commend this engine to the general farming public and invite further inquiry concerning its adaptability.

SEPARATORS

CASE Separators have strong frames well stayed with rods and braces. They are properly proportioned and of correct design. Being well balanced they will not shake to pieces. Many of our separators in the field have been run fifteen to twenty years.

Every joint and every piece of wood is painted before being put into the machine.

The fan speed can be changed without affecting the shake of the shoe.

The straw rack is light and strong. It will easily sustain the weight of a man without injury, nor will it sag in the center.

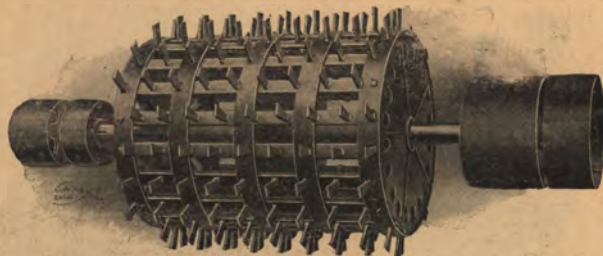
The grain pan is made of heavy, galvanized sheet iron. Will not rot nor rust.

All machines are equipped with CASE adjustable sieves which can be set from the outside for all grains while the machine is in motion. They are good cleaners. We have sold upwards of ten thousand with no complaints whatever.

THE BIG CYLINDER

CASE feeders having so increased the amount of grain that could be fed into a machine, we came to the conclusion, some six or seven years ago, that a heavier

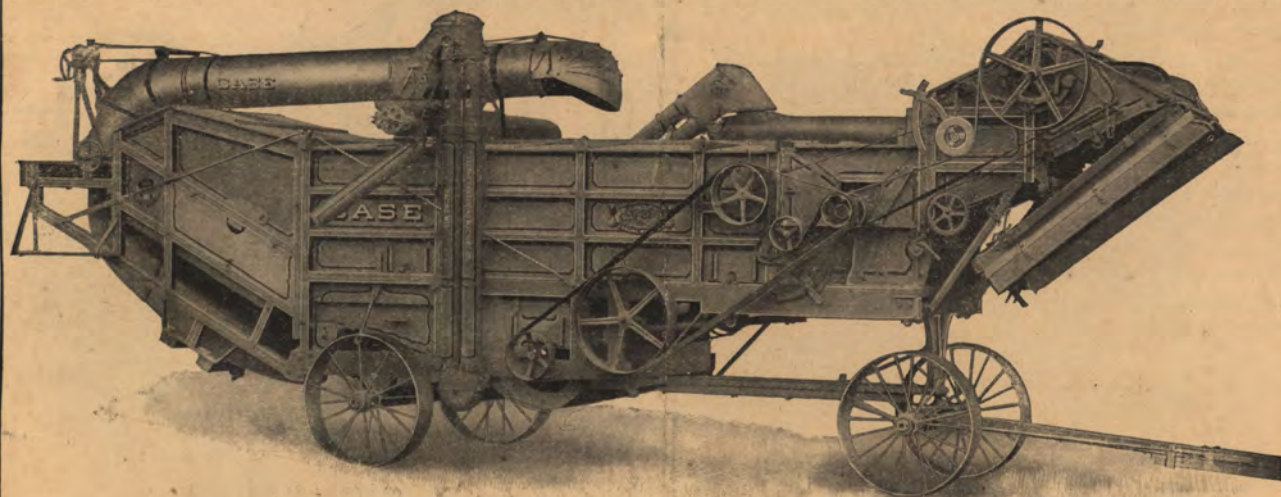
cylinder of increased diameter with larger, stronger teeth was a necessary consequence.



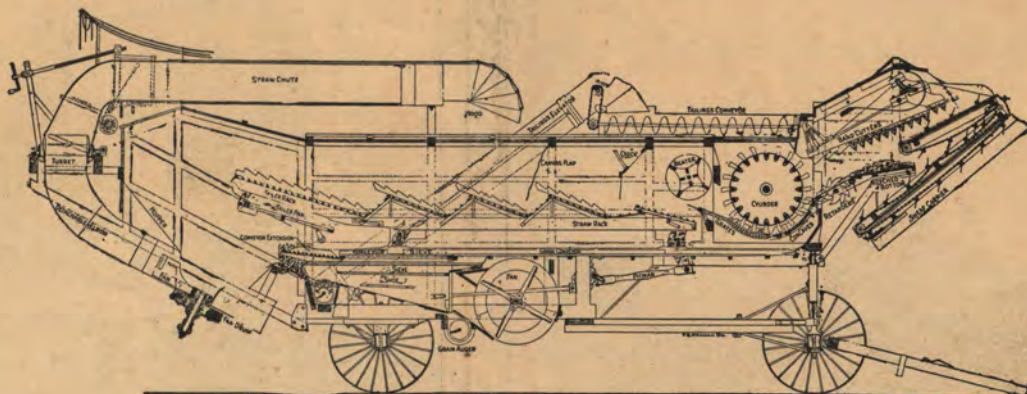
CASE 20-bar Cylinder with 13 1-2 inch Drive-Belt Pulley and 2 1-2 inch Shaft

The first year we put out a limited number of machines so equipped. All proved an immense success. The old 12-bar cylinder was discarded for the new 20-bar, which is 31½ inches in diameter. This increased size affords a grate and concave area of 52 inches, and which in turn gives greater separation at the cylinder, so that but a small percentage of grain goes into the straw to be shaken out by the straw rack.

The larger diameter of the cylinder permits a slower speed, (750 R. P. M.). This, in connection with the 2½-inch cylinder shaft, ball-and-socket, pivoted cylinder boxes, entirely overcomes heating of the journals.



We ask judgment on the CASE separator, wind stacker, feeder, and weigher, as here illustrated

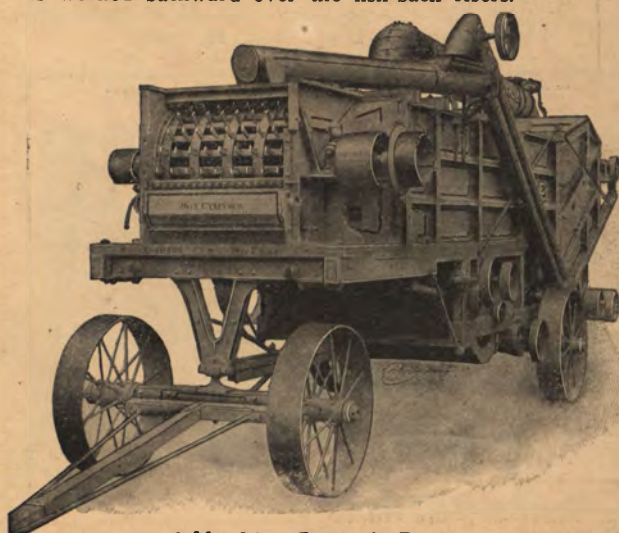


An X-Ray Study of the CASE Separator

In this study the course of the grain can be followed from the Feeder carrier (which here is folded) to the band-cutting knives which cut and spread the bundles, thence on to the hopper bottom with its zig-zag projections and revolving disc retarders. These feed the grain to the cylinder top first and high up where the heavy Sandow teeth in the large cylinder draw it down through the concaves and rasp it across the separating grates, and under the check board to the beater.

The beater, with its four concave shaped wings sheathed in sheet iron, and running at 400 revolutions a minute, checks the flying grain and the speed of the straw as it passes to the straw rack. This rack is actuated by the crank shaft which has a speed of 230.

What grain remains in the straw is shaken out as it is worked backward over the fish-back risers.



A Machine Strongly Built

The straw when it leaves the rack drops directly into the fan drum and is forced through the chute to the stack with little bother or discomfort to the operator.

Underneath the straw rack and extending to the front of the machine is the sheet iron conveyor pan. This counterbalances the rack above but has a less violent movement. From the pan the grain passes through the coarse conveyor sieve (adjustable) thence to the shoe sieve, where it is thoroughly cleaned and delivered through the grain auger to weigher, loader or bagger.

The tailings fall into an auger at the rear and are returned to the cylinder through the double tube steel elevator.

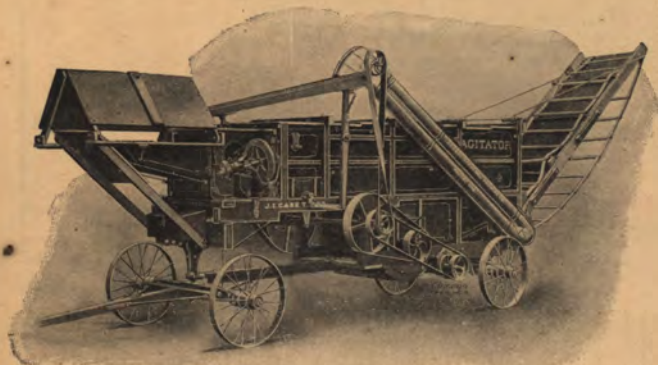
CASE separators come nearer saving all the grain than any other machine made. Operate them right is all that is necessary. They are light runners, are not top-heavy, have sloping decks, ball-and-socket bolsters, steel wheels, and steel axles.



**COMING EVENTS (A CASE OUTFIT)
CAST THEIR SHADOW BEFORE.**

We could easily enumerate other good and fetching features of our machines but want the reader to manifest his interest by writing for more information as given in our large catalog. This comprehensive book is free to all applicants.

AGITATOR SEPARATOR



With Side Gear, 16-foot Stacker and Hand Feed Attachment

The demand for a small thresher has been growing since we put on the market several years ago, 18-inch and 24-inch cylinder separators. We illustrate the smaller size above, fitted with side gear for operating by horse power.

Not infrequently four or more farmers club together and purchase one of these separators to do their own threshing. As the amount of their combined threshing bills generally exceeds the price of the machine the economy of such a plan is apparent. Furthermore, they



ONE OF HIS
IDLE DAYS

get their threshing done at a more seasonable time and often, too, a few extra jobs done for neighbors will leave a margin of profit. Send for 1905 prices.

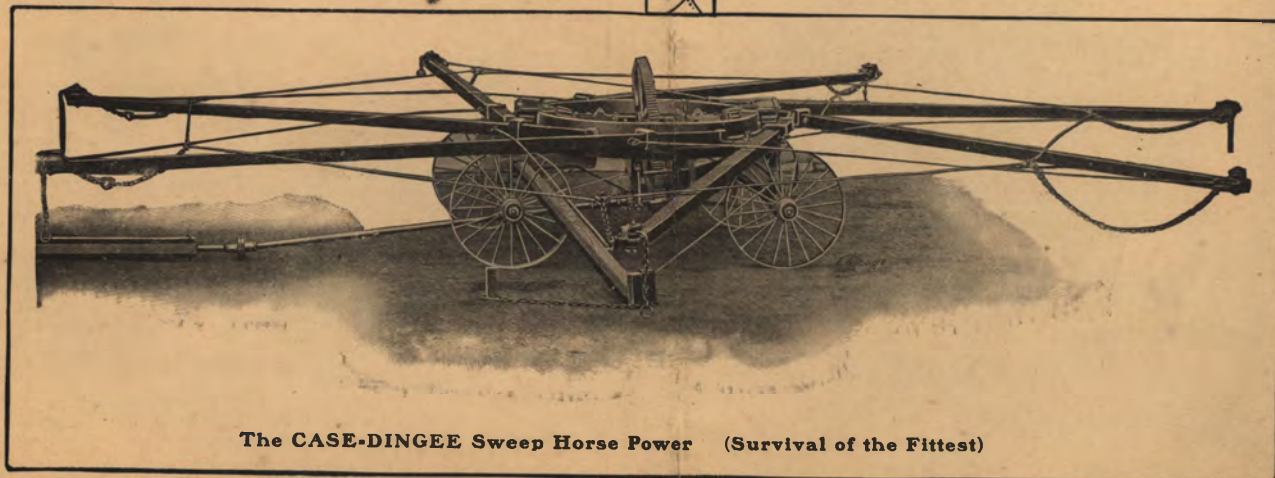
The CASE-DINGEE horse-power continues to find many takers. And no wonder. It has given satisfaction always and everywhere. We build it now with a metal frame, for 6, 8, 10, 12 and 14-horses, sell them at moderate prices on easy terms. Study the illustration (ready to hitch up, platform removed) and write us for more particulars.

Good Grain Saver and Thresher

Mullivan & Gossard to-day threshed on my place with a new CASE separator, feeder, wagon loader and stacker driven by CASE Dingee 14-horse power. This outfit runs easily, does good work and is as good a grain thresher and saver as any I ever saw work.

H. H. BRADWICH.

PLANKINTON, S. DAK., Aug. 14, 1903.



The CASE-DINGEE Sweep Horse Power (Survival of the Fittest)

AUTOMATIC STACKERS

The CASE Attached Swinging Stacker



This is the CASE Attached Swinging Stacker. It swings automatically, is driven direct from the cylinder. It deposits the straw in the center of the stack at all stages of elevation; has the best elevating and folding device—same mechanism does both. The carrier *will not* fall by the breaking of a chain, rope, or slipping dog. A stacker built to “save the straw,” and this it does.

THE CASE WIND STACKER. There are other wind stackers but none like the “built-on” CASE. We have been developing it for twelve years and are convinced that further improvement is not only unnecessary but almost impossible.

It is exceptionally light running, has ball bearings. The boxes and gearing *cannot get* out of line. The detachable elbow, between the fan house and chute, is easily removed should the chute be allowed to clog.

It will not draw grain off the sieves. Absolutely will not.

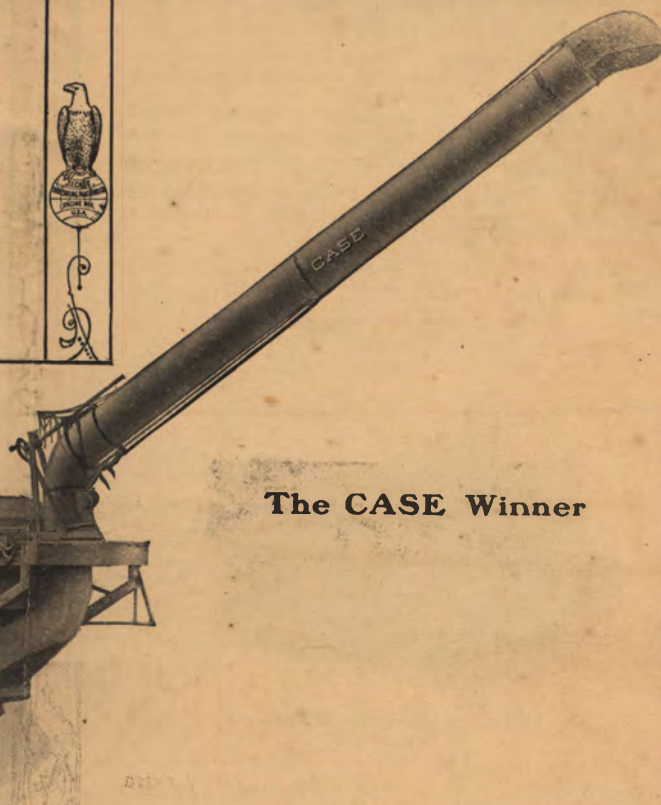
The chute will elevate higher than formerly, and oscillates automatically, or by hand.

The new telescoping device is perfect.

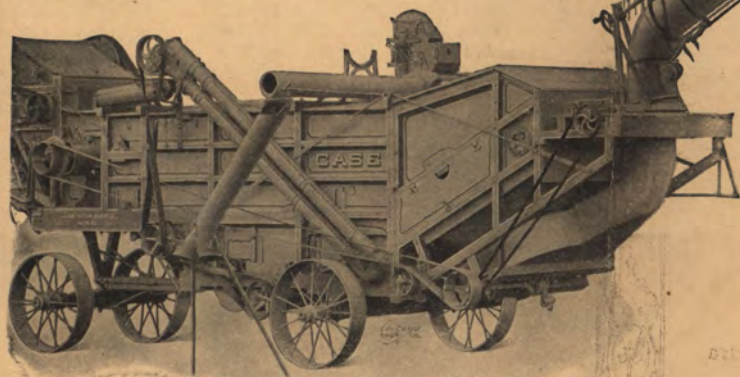
The hood is a hood that deflects the straw at the will of the operator.

CASE Wind Stackers are driven direct from the cylinder by a straight, open belt.

A study of the illustration will disclose, in a way, the great popularity of our wind stacker. Furnished for all sizes of separators, 42-inch rear and up.



The CASE Winner



The Chute in Position for Topping the Stack.

COMBINATION STACKER

The CASE Combination Stacker deposits the straw on the carrier with wind stacker fan and delivers on stack by rake. The lower part of the carrier frame is covered by a screen, through which the wind escapes after having forced the straw onto the carrier frame.

A "Straw Preserving" Stacker



It is convertible into a regular wind stacker by substituting the usual chute. We have designed this style stacker for the particular use of CASE Customers and commend it to their attention. Prices and complete description given in the 1905 catalog.

WATER TANKS



Can be Used on Wagon

The CASE tank is made of No. 12 sheet steel, an extra heavy size. Holds twelve barrels of water.

The hopper on top will carry a considerable quantity of coal.



Steel Trucks for Tank

THE TANK TRUCKS have steel wheels, 6-inch tires. Made so the tank can be set off and an ordinary wagon box put on. A handy, low wagon of general utility. Send for 1905 prices on tank and trucks.

The pump shown will fill this tank in six minutes. It is furnished extra for \$5.00. Serviceable for various purposes.

The CASE Tank and Force Pump. Capacity, two bbls. a minute. Handle can be attached to either end. Price, without hose, \$5.00. Every farmer should have one.

Used Their Engine for Plowing

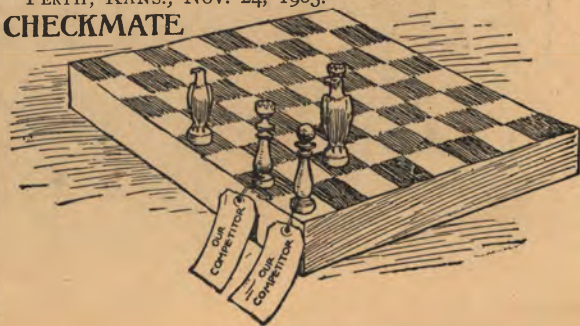
We have a CASE 15-horse compounded engine and this fall pulled a 9-disc plow, with a harrow behind, in ground that was too dry and hard to plow with anything else. In ordinary ground we could pull twelve discs.

We also used a CASE tender this season and it beats anything we have seen. It guides "a comin' and a goin'."

We threshed about 250 bushels of alfalfa and did fine work. The engine is very economical in the use of water and coal.

PERTH, KANS., Nov. 24, 1903.

CHECKMATE



Tank Pump

in the use of
DAVIS BROS.