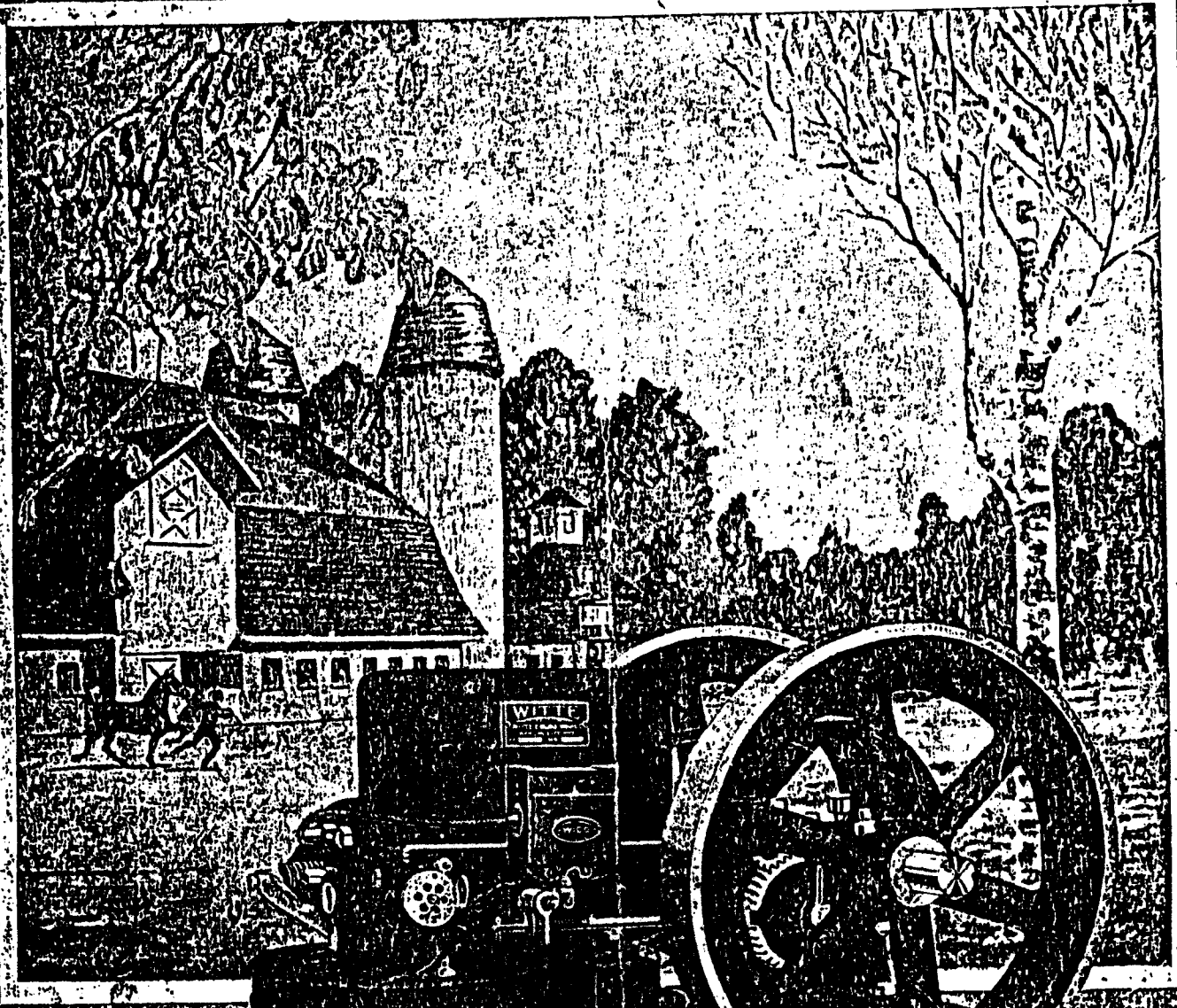


Founded in 1870

1870



WITTE ENGINES

RUGGED — DEPENDABLE

WITTE ENGINE WORKS

KANSAS CITY, MO.

PITTSBURGH, PA.

SAN FRANCISCO, CAL.

Our Standing in Business

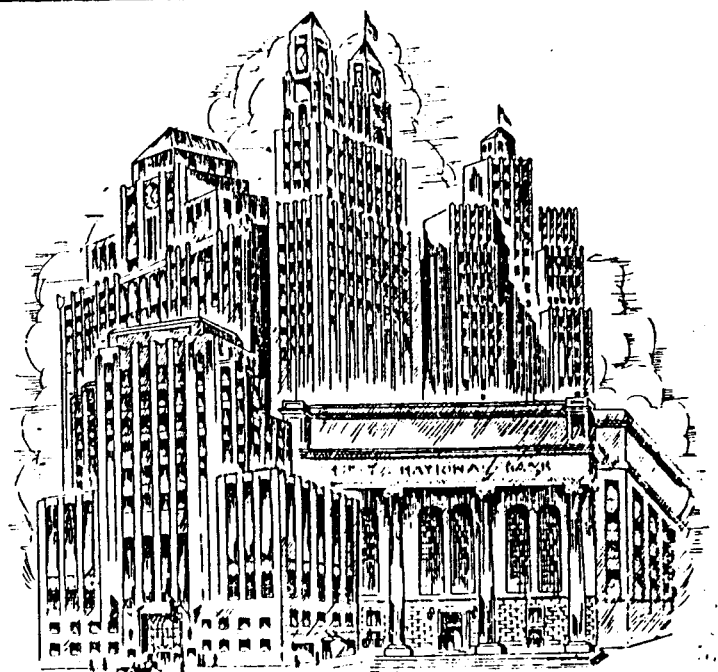
THE reliability of your engine depends on the ability of the maker . . . and the worth of a guarantee depends upon the financial responsibility back of it.

We are glad to be investigated. We are justly proud of our record—of our standing in the business world.

Our financial success—our continuous growth—our world-wide reputation—is due to a tremendous volume of sales with a very small profit on each; and such volume has been possible solely by reason of the higher quality and greater value of our engines, plus absolute fairness and honesty in dealing with the public.

Know the firm you are dealing with; your banker—or any banker—will gladly look us up for you; and their report, or the report of any mercantile agency, will assure you of our integrity and responsibility.

Our financial condition is particularly emphasized in order to impress you with the fact that we are in a position to make good the WITTE guarantee, any time, *now or years later*—and that such an organization and plant as we have absolutely assures a square deal and full value for every dollar you invest with us.



ANY BANK OR COMMERCIAL AGENCY CAN TELL YOU OF OUR RESPONSIBILITY

We bank with
CITY BANK & TRUST COMPANY - - - Kansas City, Mo.
 Our financial rating in the commercial agencies are as follows:
 DUN A+ Over \$750,000 High
 BRADSTREETS J Aa To 750,000 1st

MY GUARANTEE is Built into Every Lifetime WITTE Engine .

Some guarantees mean nothing—they are merely ink and paper, with nothing to back them up. But here's a guarantee which, in a few words, says much—and it means exactly what it says. For to make good on such a guarantee, I must build the guarantee into every WITTE Engine—each part must be as strong, as accurate, and as durable as every other part. That is the principle of WITTE construction—the basic thought behind this guarantee, which, boiled down to a single thought, means: "Every part of your engine must make good—or I will."

Lifetime WITTE Guarantee

I Guarantee That every WITTE engine will develop one full horse power for one hour on only one-tenth of a gallon of gasoline, kerosene, naphtha, benzine, distillate, gas, oil, solar oil, tops, etc.;

That every WITTE engine will develop one full horse power for one hour on only thirteen (13) cubic feet of natural gas or on only fifteen (15) cubic feet of manufactured gas;

That every WITTE engine may be used for either gas or liquid fuel as ordered, or can be converted in the future by making a simple change; that it is made of properly selected materials by skilled workmen and under proper care will give long and reliable service;

That every WITTE engine has been carefully inspected, fully tested, found to be free from defects and is capable of pulling its actual rated horse power with a liberal surplus. Should any part prove defective during the life of the engine, I will cheerfully replace it free of charge;

That every WITTE engine will be delivered to your freight station in good order, and that I will make good any loss or damage, if properly noted by the agent on freight bill.

WITTE ENGINE WORKS
 Ed H Witte
 PRESIDENT
 "Time Tested Since 1870"

ASK YOUR BANKER—HE KNOWS WITTE

PROFIT FROM POWER

This is indeed the Age of Power
. are you taking advantage of it?

TODAY POWER is rapidly replacing expensive hand labor, not only in great industries but on the modern farm as well. The farmer of a past generation cut his wheat with a scythe or "cradle" and threshed it with a flail—today these implements are but a memory. Back-breaking toil of a thousand duties are now being performed by modern machinery, bringing to its users profits and comforts undreamed of in the past.

Here's a "hand" who costs you little and does much . . . Suppose you could buy a man outright—own him body and soul; a man of great strength and untiring energy; who, if need be, could work straight through the twenty-four hours, needing only a little of the cheapest food, no sleep, no clothing, no housing, no consideration; a slave—a super man who could do the work of many ordinary men better, faster, cheaper—and who had no feeling, couldn't get sick, couldn't quit his job, and who never tired or lagged from summer's heat nor winter's cold.

You would pay any price for such a "slave"—yes, go in debt if need be—to avail yourself of his services. Yet the things he would do are exactly the things a Lifetime WITTE Engine will do for you—and you can buy it, own it, and have it ever ready to do your bidding. The wages and "keep" of a farm hand for a single month will buy Lifetime WITTE Power, capable of doing the work of many men, and you pay your WITTE engine no wages and very little "keep."

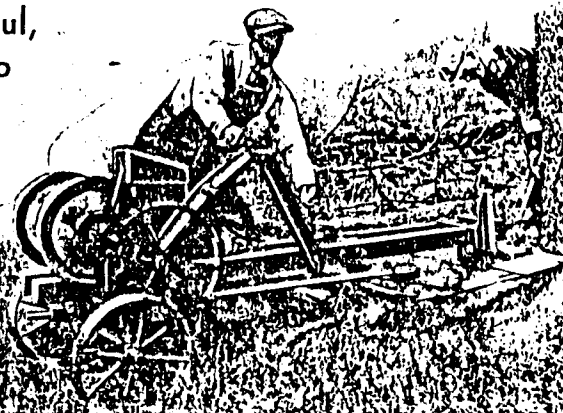
POWER means PROFIT FOR YOU!

Think of the long hours—unprofitable, wasteful hours—you have toiled in the sun, pumping water for your stock—think of the muscle-tearing, back-breaking labor, exposed to the icy blasts of winter, sawing up a season's firewood, or clearing off a few extra acres! Think of the many more profitable ways in which you could have spent these hours, days, or weeks of time! Yet these are but two of the almost countless ways in which a Lifetime WITTE Engine, or one of its combinations, will save you time and money. Nail this fact!—and keep it ever before you: Every job you do by hand, that can be done by engine power, is taking real money right out of your pockets—to say nothing of the useless labor that is wearing you down. In farming, as in all other forms of industry, POWER has replaced hand labor and thereby tremendously increased profits. POWER is one of the best answers to your greatest problem—

"How Can I Make More PROFIT?"

"To be successful, follow those who are successful."

THEY USE POWER!



There's TRUE Economy in WITTE POWER . . .

Lifetime WITTE Engines use any clean liquid fuel, better than 40° Baume, that will atomize or vaporize through a good carburetor and ignite by spark from magneto, such as Gasoline, Kerosene, Naphtha, Distillate, Gas Oils, Solar Oils and Tops.

They also operate equally as well on any gases that will not gum the valves, either Natural, Artificial or Producer Gas.

All engines shipped equipped to operate on liquid fuels unless otherwise ordered.

We can also equip Lifetime WITTE Engines with a dual carburetor that will handle gas or liquid fuels, separately, or at the same time. Carburetors or gas mixers easily and quickly changed in the field by the operator.

Get an All-Fuel Engine

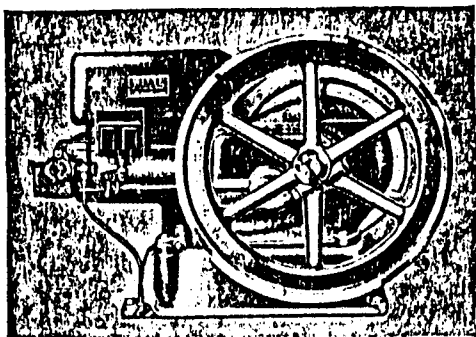


Only QUALITY Counts

after all, there is no substitute for Quality

WHEN you go to the store to buy a pound of butter can the clerk sell you a substitute and convince you that it is just as good? Of course not, you know that to produce butter you can't use skimmed milk, it takes real cream.

In building engines that have a world-wide reputation of the "best that money can buy," I know that you can't substitute cheap cast iron for semi-steel— inexperienced workmen for skilled mechanics or theory and guesswork for engineering skill and years of experience. To build the world's finest engines we use only the "cream" of high grade materials and workmanship, plus manufacturing and distributing methods perfected after 60 years of successful business.



Type "K" Enclosed Engine

There is No Substitute for Quality!

If I have learned anything from my sixty years of building and selling engines, it is that the product must have some real merit other than price. In the long run there is no profit in selling poor engines that breed dissatisfaction and distrust. I am not making the quality of engines whose only bid for favor is price. I set out to build the best engine on the market, not the cheapest. I also developed special machinery and tools so I could build my engines at the lowest possible cost. That I have succeeded in this is borne out by the fact that over 350,000 Lifetime WITTE Engines are giving utmost satisfaction in all parts of the world. Altho my engines are the highest in quality they are also the greatest dollar for dollar value ever offered, for I sell direct from my factory-to-you at just 6% more than they cost me.

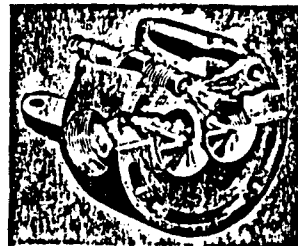
Ever mindful of the growing demand for an engine that would not require constant attention to the lubricating system—have main bearings that would not require adjustment or replacement and be enclosed so perfectly that you could



Crankshaft with Timken Roller Bearings

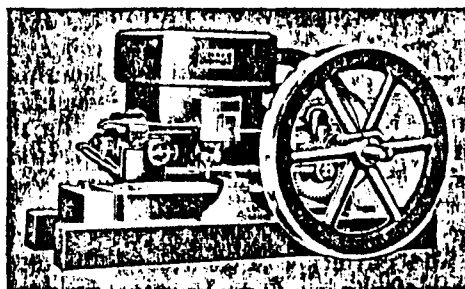
run it in a sand storm if necessary. I have designed and perfected the New Lifetime WITTE Enclosed—Self-Oiling—Roller Bearing Engine. Here is the latest up-to-the-minute

engine that will give you many years of enduring service. Enjoy the satisfaction of owning such an engine with all driving parts enclosed in an air-tight, leak-proof chamber where no sand, dirt or grit can blow in or settle, nor can anything drop or fall into the "works" and cause serious damage—a self-oiling engine that will run over 60 hours on one filling of the crank case and all parts automatically lubricated in a bath of fresh oil—with Timken Roller Bearings that are positively the finest frictionless bearings ever manufactured. Even after long use they show no signs of wear. Note how perfectly these wonder bearings fit the sturdy carbon steel crankshaft, as shown in the picture on this page. It also develops the greatest amount of power on the smallest amount of fuel, because it is equipped with the new WITTE Super-Hot Combustion Chamber. It completely atomizes, vaporizes and gasifies all liquid fuels—changing them instantly into powerful, volatile gases that ignite quickly and burn cleanly, giving greater power than was ever thought possible.



Super-Hot Combustion Chamber

The engine buyer of today knows what he wants, improvements in automobile construction have been many and of great value—now he may have the same improvements in his stationary engine. There is no sound reason why the engine buyer should accept a substitute



Type "F" Open Engine

for quality. The Lifetime WITTE Enclosed—Self-Oiling—Roller Bearing Engine stands alone as the latest and greatest achievement in engine design and construction.

The Lifetime WITTE open type Engines also have been improved and still rank as the leader in their class. They are also equipped with the new WITTE Super-Hot Combustion Chamber, and have many of the good features of the "J" and "K" engines. Almost any engine will vaporize good gasoline, but this new combustion chamber will vaporize low grade gasoline, distillate, kerosene, gas oils and other heavy fuels as easily as other engines handle high test gasoline.

WITTE quality is distinctive and for it there is no substitute. The few dollars less that you might pay for an inferior engine would not compensate for the short life, lack of dependability, heavy repair costs and excessive fuel consumption, together with obsolete design and principles which retard your work. Quality and performance form the basis of true economy—and over 350,000 satisfied users testify that the Lifetime WITTE is not only the best but the most economical engine ever built.

Easy to Own WITTE Engines

Use the Easy Payment Plan

IF A MAN has use for an engine, he need not worry how he is going to pay for it—I'll show him how that can be done without the least inconvenience, provided he is of good character, honest and dependable, and will co-operate with me. If he has work that an engine can and should do, I'll show him how it can be made to pay for itself, and earn a handsome profit besides. I make it easy for any reliable man, anywhere in the United States, to own a Lifetime WITTE Engine. If you don't want to pay all cash, my easy payment plan is extremely favorable.

If Your Credit is Good With Others It is Good With Me

If your present circumstances make it necessary for you to buy on credit, it will be a pleasure for me to aid you. It is more important for me to know that you are reliable, work steady, and pay your bills promptly, than to learn that you are wealthy and do not need to use your credit. Naturally when I sell on the easy payment plan I should know something about the person I am dealing with, as it is not possible to extend credit to everyone. You know there are always people who don't try to meet their obligations and never will. This, of course, makes it harder for honest people to get due consideration. However, any responsible person, who is honest and industrious, will find that I am not hard to deal with.

. Here is My Plan—

My plan is simple, therefore effective. I deal with every man just as I would like to be dealt with were I in his place. —I have been in his position myself, and I appreciate his problems. First of all, I want to know something about him. I want to know who he deals with in other matters—and how he is regarded generally by those who know him. But the references I ask him to give are few, and the information given me by these references is held in strict confidence. Engines or outfits are sold with the small down payment as listed in the catalog and the balance divided into equal monthly payments. The payments range from \$5 to \$75, with no interest added if paid when due. I play no favorites, to me one man is as good as another, if he pays his bills promptly. Of course you save money by buying for cash, but if you buy on time payments, you are not penalized with interest.

What Correct Design Means to YOU

Let me say a word right here. While you are reading through this catalog you will come across many new and interesting illustrations and points that will cause you to wonder how it is possible to build an engine and combine therein all of these good features, and still sell it at an extremely low price.

All this is the result of more than sixty years of exclusive engine building—new improvements added—changes made to increase service and cut down cost of operation—year after year of making them better, until today you marvel at the wonderful advancement of engine construction and the very evident superiority of Lifetime WITTE Engines.

What you have been learning so far in this book is only a small measure of the knowledge you will get as you continue

reading. Study it carefully for it will not only give you a practical knowledge of engine construction that will be valuable not only in selecting your engine but in its economical operation as well.

When it is Good Business to "Go In Debt"

Ordinarily the careful man avoids debt—yet sometimes staying out of debt shows very poor judgment. Going in debt for luxuries you don't need and can't afford is both wrong and foolish. But it is also foolish not to use your "credit" when that which you may buy will reduce your expense, increase your production or enlarge your income. If you have no wood to saw, no land to clear, no water to pump, no feed to grind, no silo to fill—if you have none of the 101 jobs that a Lifetime WITTE will do quickly, efficiently and economically—then you don't need an engine. But if you *have* such work you DO need it; and any obligation made in the purchase of a Lifetime WITTE shows sound business judgement, for a Lifetime WITTE *will pay for itself, and earn a profit thereafter.*

"I Got My Own Start on Time Payments"

Years ago when I was first starting out, a salesman from a St. Louis machinery house tried to sell me a planer. I realized it would be a good investment—the few machines from my father's shop were worn and obsolete. But I had no ready money—and I told the salesman so. "Well," said he, "I'll sell it to you on time payments." "That might do," said I, "for I know of one job right now I could get for that planer that would bring in about \$100 a month." The salesman finally figured out a deal to sell me the planer on payments of \$75 a month. This was good business for me. It gave me a new machine that I needed badly; the machine paid for itself on the additional work I had for it, and it made me a net profit of \$25 a month besides. Soon the planer was paid for—but before that I bought a new lathe, also on monthly payments. It, too, enabled me to handle additional work which more than made the payments. When these machines were paid for, the work was still coming in and the machines were earning a large profit.

By following this policy of buying new equipment whenever I could see how it would make "more money," I gradually built up this great factory. I lay no claims to genius. I was just a careful business man, who, lacking capital, used his "credit" wisely. What I have done—many others have done—*so can you if you will.*

You Can SAVE \$10 to \$200

. . . . here's how I help YOU—

MAKING high grade engines to sell at low prices is possible only through a combination of favorable conditions not possessed by any other factory that we know of. We own our own plant—pay no interest—have capital to buy when the market is right and pay spot cash. We have every labor and time-saving facility in the way of modern machinery, designed and built to do the work quickest and best, and at the least possible cost. We buy our materials in large quantities—get the “cream” of the output at most favorable prices. Our stock of materials is usually bought ahead from one to three years, so we can depend on regular delivery and always be able to make immediate shipments of finished engines direct to our customers. With us the engine business is our life-work—our only business—and not a side issue.

Manufacturing Conditions Are Right

We maintain the largest exclusive engine factory in the world, selling direct to the user. You can buy your engine or outfit direct from the great WITTE factory at our low factory prices. You save money by writing your own order. Why pay \$10 to \$200 more (depending on size) just to have some dealer or salesman write it for you? If you could get only \$15 for writing a letter, you would take it mighty quick. In buying your engine from us you come to experts who know their business—experienced engine designers and builders. You get an engine particularly designed for the work you are going to do. You get an engine tried, tested and proved under the actual conditions on the farm or shop. We are able to make you a low price and supply you with a better engine, because we make hundreds where others make few—sell hundreds where others sell few—and the prices we are quoting today are the lowest on engines of “equal” quality.

Our Selling Plan Saves Money For You

In addition to the savings effected in the manufacture, our plan of selling direct to the user saves all the “middle-men’s” profits. Remember, you are buying DIRECT from the FACTORY, not a mail-order house or dealer, and you pay but 6% above my cost on the Lifetime WITTE Engine you buy. We have often been asked, “In what way do Lifetime WITTE Engines differ from other engines? We can’t see any difference, they look alike and are the same size.” My friend, you have often gone to a barrel of apples and selected two, they were the same size and looked alike.

Biting into them you found one of excellent flavor and the other insipid and tasteless; and you have also known two men who were the same size, wore similar clothes and appeared alike in many ways, yet when it came to physical and mental ability one was superior; and still another comparison, you have seen two cream separators, seemingly equal, at least in size and appearance, but one skimmed much closer than the other. And so it is with engines. don’t be deceived by “outward” appearances, for the things that make a Lifetime WITTE more valuable than its competitor are built “into” it from the first to the last operation, and to back this up we place a Lifetime Guarantee on every engine. Even a boy can give an engine a coat of shiny paint, but it takes a master engine builder to make an engine that will justify the confidence placed in the Lifetime WITTE by over 350,000 satisfied users.

We Have No Drayage Costs

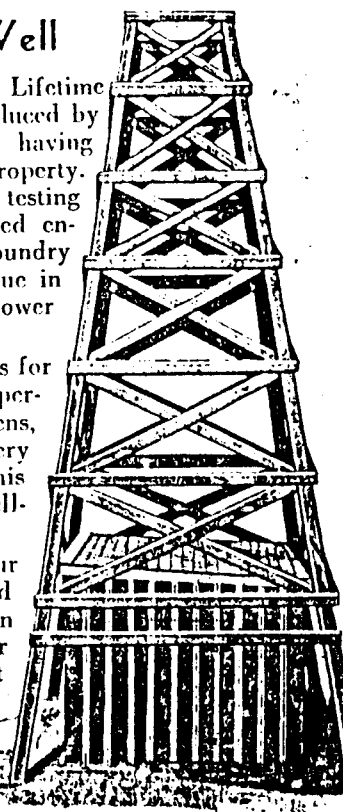
Private railroad tracks enter our factory building, where engines are loaded under cover, rain or shine. Incoming shipments of materials are received the same way, saving us large sums annually that otherwise would have to be spent for hauling and drayage.

Our Own Gas Well

Manufacturing cost in Lifetime WITTE Engines is further reduced by the remarkable advantage of having free natural gas on our own property. Our free gas lowers the cost of testing and limbering up our finished engines, and is also used in our foundry and has been of immense value in the production of light and power for years.

If we had to buy all our gas for power, for hardening and tempering small parts, for core ovens, for heat and for testing, every engine we sold would have this additional cost added to the selling price.

If you had a gas well on your place, think what you could save in fuel, power cost, and in lighting and heating your home. You could do just what we have been doing for years—utilizing nature’s gift to the best advantage.



Lifetime
ESTABLISHED SINCE 1910
Witte

ENGINES--Type "J"

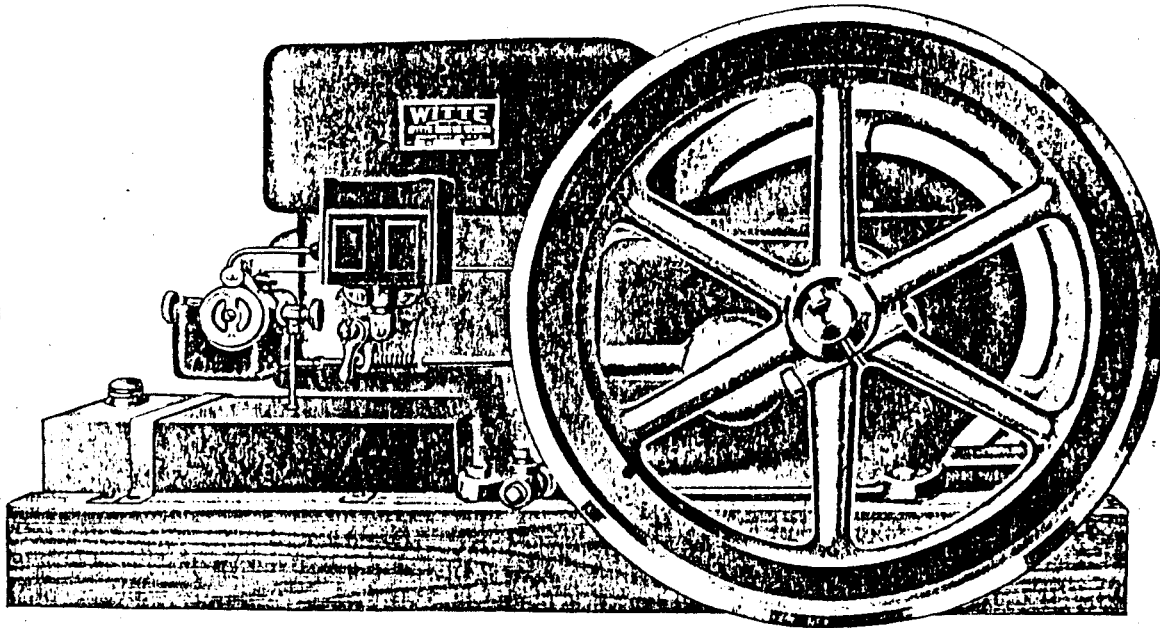
World's Finest Engines

**ENCLOSED
SELF-
OILING
ROLLER
BEARING**

ENGINE users demanded the same refinements and improvements in their stationary engines that are found in automobiles—and now the new Lifetime WITTE, Enclosed—Self-Oiling—Roller Bearing Engines embody all these improvements. They are years ahead in design and construction. Experts and enthusiastic owners everywhere have pronounced our "J" and "K" models the finest engines ever built, regardless of price. They have all the time-tested features of the well known type "F" engine and in addition have the Enclosed, Self-Oiling and Roller Bearing features.

2 H. P.
\$54.50
CASH PRICE
ALSO SOLD ON
EASY PAYMENTS

**TIMKEN BEARING
EQUIPPED**



Whatever type Lifetime WITTE Engine you select you get all of the many features of WITTE superiority. Including Throttling Governor, Magneto Ignition, Variable Speed Control, Easy Starting, Semi-Steel Construction and Super-Hot Combustion Chamber.

YEARS AHEAD IN DESIGN AND CONSTRUCTION

(Acclaimed by experts as the one perfect engine that operates successfully under all conditions)

Type "J" on wood skids is built in sizes from 2 to 12 H. P. This is the type preferred where it may be necessary to move the engine from one location to another. The square fuel tank is well protected between the skids. It would be mighty interesting if you could visit the thousands of farmers and others who are using Lifetime WITTE Engines—see just what they are doing, and how they are not only doing all

kinds of work easier, but are making money. They are turning into play the things that take time, muscle, elbow grease and backbone. They are making work more profitable as well as pleasant and they are not paying a big price for the privilege. A Lifetime WITTE Engine is the one farming implement that you can find use for every day in the year, and make money. You will appreciate the big saving of power.

Type "J" on Skids - Specifications and Prices

Rated H. P.	R. P. M.	Crankshaft Diam.	Flywheel Diam.	Plain Pulley	Floor Space	Shipping Weight Lbs.	Cash Price	Payment Price	Down Payment	Monthly Payment
2	650	1 1/4"	15 1/2"	5"x3"	22"x37"	277	\$54.50	\$59.95	\$ 5.00	\$ 6.00
3	650	1 1/2"	16 1/2"	5"x3"	22"x37"	320	78.40	86.25	8.00	8.00
4	550	1 1/2"	19"	6"x4"	26"x42"	440	98.90	107.55	10.00	10.00
6	480	1 5/8"	24"	8"x5"	29"x49"	650	119.50	131.45	12.00	12.00
8	430	2 1/8"	28"	10"x6"	33"x55"	950	168.50	185.35	17.00	17.00
12	360	2 1/2"	35"	14"x8"	38"x66"	1550	253.50	278.85	26.00	26.00

**Additional
Information
in Bulletin
14-J**

Sturdy efficient friction clutch pulleys for use on Lifetime WITTE Engines will be found on page 23. Note our low prices.

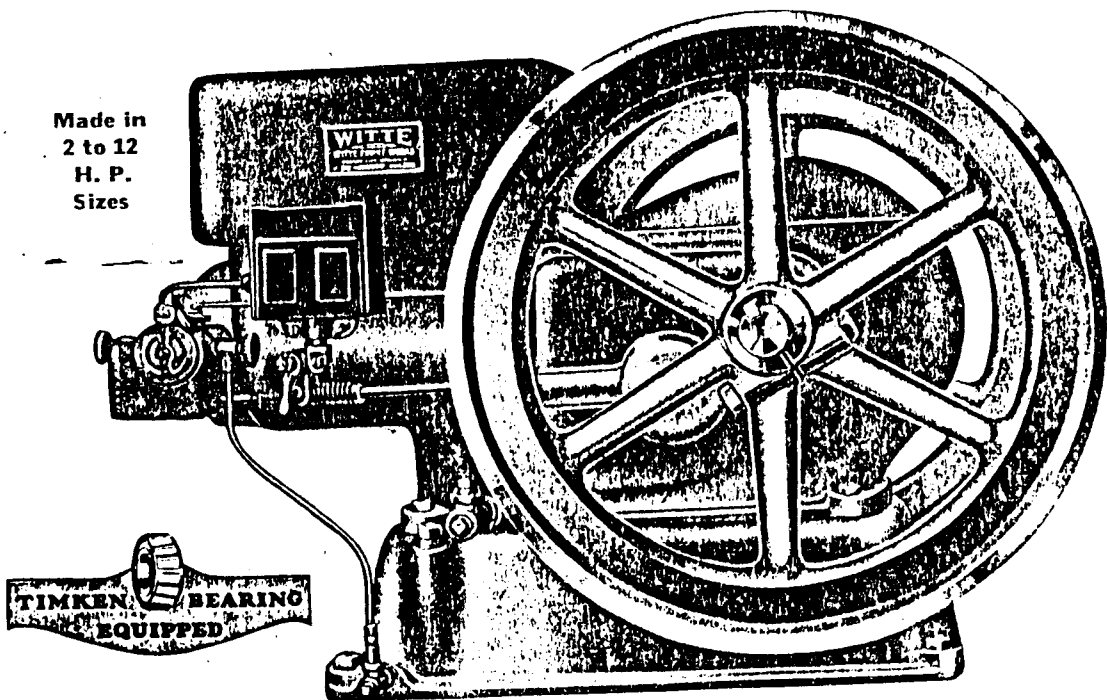
Lifetime Witte ENGINES--Type "K"

—The Engine of the Future—Here Today

IT IS a well-known fact among men who operate machinery, that the simpler the machine the easier it is to operate, and the easier it is to operate the longer it will stand up under work and wear. This is particularly true of the New Lifetime WITTE Engines, with their simple, strong design and construction. The long life of Lifetime WITTE Engines is undoubtedly due to the accuracy of each part, their size and weight being in proper proportion to every other part, and the proper selection of materials from which each part is made.

**ENCLOSED
SELF-OILING
ROLLER
BEARING**

Made in
2 to 12
H. P.
Sizes



2 H. P.

\$57.30

CASH PRICE

ALSO SOLD ON
EASY PAYMENTS

Completely enclosed — piston, crankshaft and other parts run in a bath of fresh oil—no oil or grease cups to fill, parts are protected from dirt and sand. Timken Roller Bearings guaranteed for life of the engine.

A COMPLETE SELF-CONTAINED POWER PLANT

(The only type engine that will stand up and give satisfactory service in sandy or dusty places)

Type "K" is also made in sizes of 2 to 12 H. P. This new Lifetime WITTE Engine is the last word in stationary engine construction. It comes to you not as an experimental product, but as a highly developed engine. It is Enclosed, Self-Oiling and Roller Bearing. These valuable features appeal to every user. The attractively shaped hollow semi-steel base also forms the fuel tank. All engines are shipped completely equipped, ready for instant operation, all you need is oil, fuel and water. The simple instructions fur-

nished are sufficient to enable anyone without previous experience to start and run the engine. Our experience over 60 years in building engines exclusively is a guarantee in itself of superior engine construction. The eye is a good judge, even an inexperienced man can appreciate good workmanship. Study the pictures on this and the opposite page they are made from actual photographs, and bring out clearly every valuable feature. We invite comparison with any engine made. It means a big saving for you.

Type "K" on Base - Specifications and Prices

Rated H. P.	R. P. M.	Crankshaft Diam.	Fly-wheel Diam.	Plain Pulley	Floor Space	Shipping Weight Lbs.	Cash Price	Payment Price	Down Payment	Monthly Payment
2	650	1 1/4"	15 1/2"	5"x3"	22"x29 1/2"	316	\$57.30	\$62.95	\$ 6.00	\$ 6.00
3	650	1 1/2"	16 1/2"	5"x3"	22"x30 "	380	82.50	90.75	9.00	9.00
4	550	1 3/4"	19 "	6"x4"	26"x34 1/2"	517	103.50	113.85	11.00	11.00
6	480	1 7/8"	24 "	8"x5"	29"x41 "	690	125.70	138.25	13.00	13.00
8	430	2 1/8"	28 "	10"x6"	33"x48 "	995	176.90	199.55	18.00	18.00
12	360	2 3/8"	35 "	14"x8"	38"x57 "	1700	266.50	292.95	27.00	27.00

Additional Information in Bulletin 14-K

If you need a pulley different from standard equipment select it from sizes shown on page 23. Note our low prices on supplies and accessories.

Dependable—Low Priced—Leads All By Comparison!

ENGINE users everywhere know this simple, efficient, open type engine, lubricated by oil and grease cups, and the experience of thousands of users prove the Lifetime WITTE Type "F" Engine to be by far the best in this class. Every year thousands of engines are put to work on farms as well as industrially. Each engine is tested under the conditions that prevail in actual use.

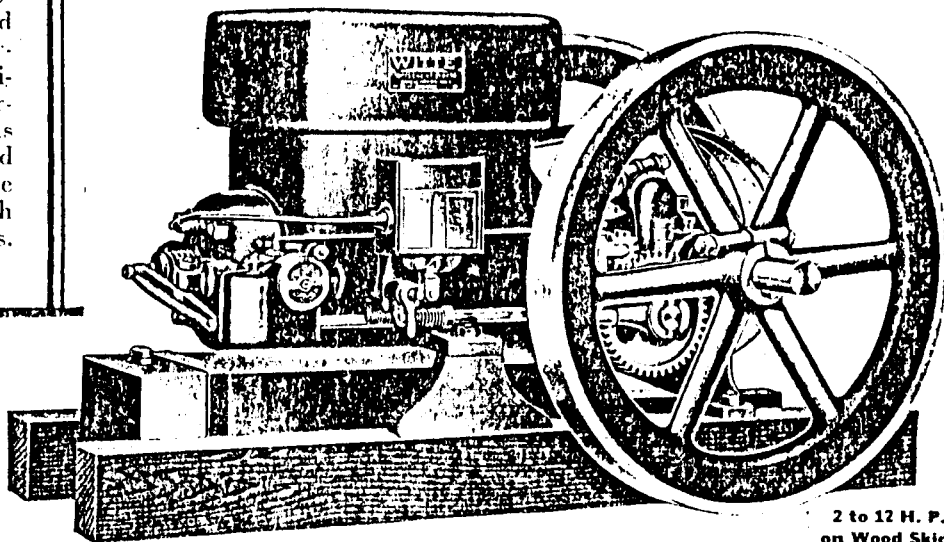
Many New Features

To our original Type "F" Engine, which has made thousands of friends all over the world, we have added many new features. Like the automobile type engine all Lifetime WITTE Engines are of the 4-cycle principle, insuring easy starting, full power and dependable operation. The motor is the popular valve-in-the-head type with specially designed Super-Hot Combustion Chamber for maximum efficiency—Throttling Governor controls amount of fuel used as well as power—Adjustable Speed Regulator for economy and variable control—Wico Magneto, perfect high tension ignition, and dozens of others.

WITTE POWER FOR ECONOMY

**EASY STARTING
SMOOTH RUNNING**

The principles and mechanical features are the same as our "J" and "K" engines using over 90% of the same parts. Designed and built on the proved principles that have enabled Lifetime WITTE Engines to serve more than 350,000 users daily with complete satisfaction. The oil and grease cups are conveniently located and are of ample size to oil the engine thoroughly. The removable die-cast bearings are made of the best anti-friction metal known. They are interchangeable and are easily replaced at very slight expense. Because so much depends on the power unit, we endeavor to make every engine we build deliver more than its rated power. Type "F" is built in accordance with this ideal. Only the highest grade materials are used.



2 to 12 H. P.
on Wood Skids



ALSO SOLD ON EASY PAYMENTS

IDEAL SEMI-PORTABLE ALL-FUEL ENGINE

This smooth, quiet running engine is throttling governor controlled. Medium weight, mounted on wood skids makes it an ideal power plant for the farm, ranch or in cities where inexpensive and dependable power is required. Built in sizes from 2 to 12 H. P. so simple and easy to understand that even a boy can operate it. For years we have been making improvements in engines, all tending toward the use of cheaper fuels. Our success in this direction has made the Lifetime WITTE an all-fuel engine. After a three-year

test we have perfected the New WITTE Super-Hot Combustion Chamber. This newest and greatest improvement makes it as easy and practical to use the heavier fuels, as it is to use high test gasoline. It completely atomizes, vaporizes and gasifies the heavier fuels, changing them instantly into powerful, volatile gases that ignite quickly, giving greater power than was ever thought possible. They also operate equally as well on any gases that will not gum the valves, either Natural, Artificial or Producer gas.

Type "F" on Skids - Specifications and Prices

Additional Information
in Bulletin 15-F

Rated H. P.	R. P. M.	Crank-shaft Diam.	Fly-wheel Diam.	Plain Pulley	Floor Space	Shipping Weight Lbs.	Cash Price	Payment Price	Down Payment	Monthly Payment
2	650	1 1/4"	15 1/2"	5"x3"	22"x37"	250	\$48.50	\$53.35	\$ 5.00	\$ 5.00
3	650	1 1/4"	16 1/2"	5"x3"	22"x37"	285	71.60	78.75	5.00	5.00
4	550	1 1/2"	19	6"x4"	26"x42"	390	87.90	96.65	9.00	9.00
6	480	1 3/4"	24	8"x5"	29"x49"	620	106.30	116.95	11.00	11.00
8	430	2 1/8"	28	10"x6"	33"x55"	880	149.80	164.75	15.00	15.00
12	360	2 3/8"	35	14"x8"	38"x66"	1425	224.70	246.95	22.00	22.00

The Lifetime WITTE is an engine that you can easily start and operate by following the simple instructions furnished.

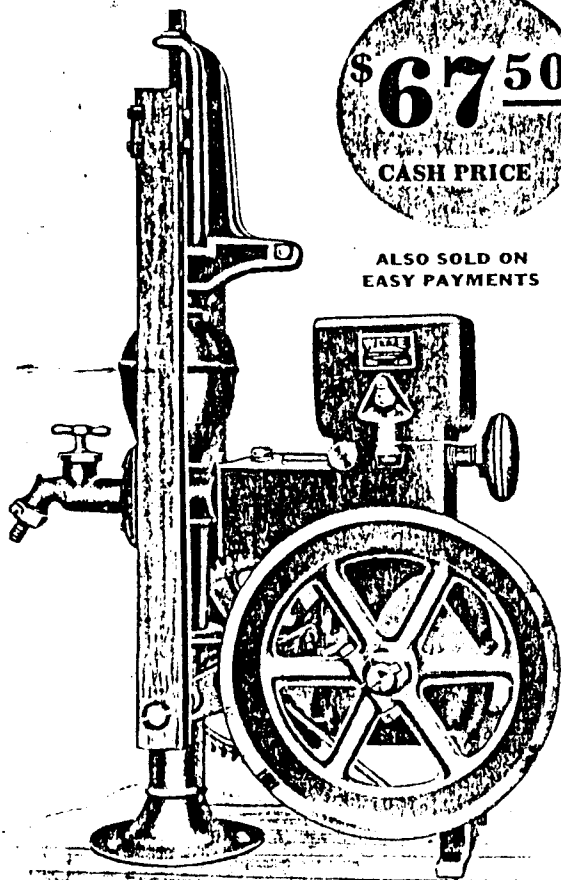
Enclosed Self-Oiling



COMPLETE unit suitable for a variety of installations and uses, providing an adequate water supply for all purposes at small cost, and operating most economically. It is powered with a specially designed WITTE Vertical Engine, enclosed and self-oiling, geared directly to a powerful jack, with strong hardwood pitmans, ready to be attached to any pump standard.

\$67⁵⁰
CASH PRICE

ALSO SOLD ON
 EASY PAYMENTS



Modernize Your Home and Farm

Water is one of the great necessities—you cannot do without it. Modern sanitary conditions demand that you have a plentiful supply for all purposes. And think what it will mean—plenty of water for all household duties—for cooking, washing, bathing, cleaning—for lawn and garden in dry weather, protection against fire, and water for your stock at all times.

Many Other Uses

The Lifetime WITTE Vertical Pumper is designed for years of outdoor pumping service, and like all our products is sold under the Lifetime Guarantee. The pump jack can instantly be thrown out of gear, and the engine used to furnish power at high or low speeds for small feed grinders, churns, washing machines and many other purposes. Dependable, compact, occupies small space.

Many Ways to Install It isn't necessary to build a special, costly, waterworks plant for WITTE Vertical Pumpers with the WITTE Vertical Pumper you can choose between several simple, and satisfactory installations. You can utilize the old windmill tower for an enclosed tank; or you can use an open stock tank on a hill or in a loft; or you can use a compressed air tank in cellar or spring house, or buried in the ground. Our engineering department is at your service, without cost or obligation, to aid you in planning your water system—write and tell us of your pumping problems and we will gladly advise you. This service is valuable—it will save you time, trouble and money. Write us today.

Specifications and Prices

1/2 Horse Power	Floor Space	Shipping Weight	Cash Price	Pay't Price	Down Pay't	Mo. Pay't
Vertical Pumper	20'x26'	280	\$67.50	\$74.25	\$7.00	\$7.00
Engine Only	20'x26'	225	49.90	54.95	5.00	5.00

PUMPING CAPACITY

Total Head in Feet	Cylinder Diameter	Water Delivered 5 in. Stroke	Water Delivered 7 1/2 in. Stroke
300	2 in.	163 Gals.	244 Gals.
200	2 1/2 in.	254 Gals.	382 Gals.
175	3 in.	367 Gals.	550 Gals.
150	3 1/2 in.	499 Gals.	649 Gals.
100	4 in.	653 Gals.	979 Gals.

The above table will enable you to easily determine the size cylinder you need for your well. Pump Standards, Cylinders, Tanks, Pipes and Fittings are not included in the price of pumper or engine, but furnished at cost if desired.

Vertical Engine Can Also Be Furnished Without Pump Gears

We are also building the Vertical Engine without pumping unit. This efficient enclosed, self-oiling engine is mounted on wood skids as shown in cut; it is unusually compact, easily handled and moved from place to place. All gears and shafts are guarded. Crankshaft is fitted with die-cast bearings that are readily renewable. Magneto is also self-oiling and enclosed. A pulley may be placed on the crankshaft for high speed and on the cam shaft for low speed. This engine is ideal for driving all machines usually powered by hand.



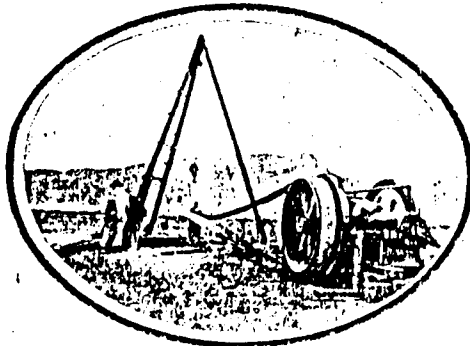
ADDITIONAL INFORMATION IN BULLETIN C.

Lifetime Witte Heavy Duty Engines

Recommended For Long Continuous Running

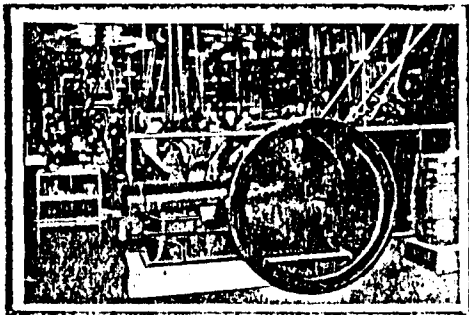
IT TOOK more than 60 years of engine building experience to develop the WITTE Heavy Duty Engine—it is the last word in dependable power—for long runs, for hard continuous service under severe conditions. Its record of performance both in the United States and abroad, and the manner in which it has stood every test to which an engine might be subjected, backs up our claim that here is an engine which does all and more than could be reasonably expected of *any* engine. And in addition, its low rate of upkeep cost has proved it repeatedly to be the most economical engine, over a period of years, regardless of initial cost.

Hard Jobs Made Easy



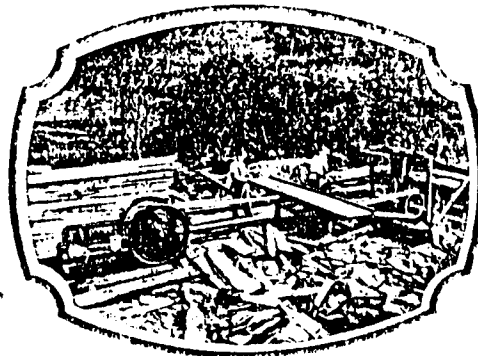
Here is one of eight Lifetime Heavy Duty Engines running on 40° 6 cent Gas Oil, operating turbine centrifugal pumps for irrigation in Utah.

The engine bed is massive, properly designed to carry the load without strain. It is machined on top to take the alloy-steel cylinder, with large water jacket, which is grooved and bolted to the bed. The piston is of alloy-steel, ground to size, fitted with a large tubular piston pin; four piston rings insure good compression.



The Superior Grating Corp., of K. C., Mo., operates a 30 H. P. Lifetime WITTE Heavy Duty Engine on natural gas for less than a dollar per day.

The connecting rod is heavy, well ribbed, bored and reamed at both ends. The crankshaft end is equipped with large removable die-cast bearings. The piston pin is equipped with two removable bronze bushings. The massive crankshaft is forged from 45° carbon steel, with heavy square bells. It is extended so that a pulley can be mounted on either side. The Lifetime WITTE Heavy Duty Engine is also equipped with a geared centrifugal water pump, designed to properly distribute the flow of water through all parts of the jacket. This insures absolute equality of temperature of cylinder and cylinder head.



A large saw-mill in Kentucky is operated economically and efficiently by a Lifetime WITTE Heavy Duty Engine on distillate at 6 cents per gallon.

Uses All Fuels

All classes of fuel, from high grade gasoline to any clean liquid fuel better than 40° Baume, that will atomize or vaporize through a good carburetor and ignite by spark from a magneto, and all gases, either artificial or natural, may be successfully used in the Lifetime WITTE Engine. The importance of this feature is appreciated by those who must use an engine where the better grades of fuel are prohibitive in price and other fuels may be very cheap.

Wherever satisfactory power is needed, a Lifetime WITTE Engine will do the work better and use the fuel that is cheapest and easiest to get. Some manufacturers do not guarantee their gas engines, but recommend only engines using gasoline. I not only build and guarantee WITTE engines to operate on any of the fuels above mentioned, but I do not charge you extra for gas attachments on a gas engine.

20 and 30 Horsepower

The Heavy Duty Engine is made in 20 and 30 horsepower only—experience has shown that these two sizes are most generally used, and cover fully every requirement in the heavy duty engine field. Work requiring less than 20 horsepower can be handled in a most satisfactory manner by one of our type "J," "K" or "F" engines, which are supplied in 2 to 12 horsepower, on wood skids or iron base.

Sturdy, Massive Construction

Because of the tremendous power it must develop over long periods, and the long years of hard service which such an engine must give, the Lifetime WITTE Heavy Duty Engine is built unusually massive and sturdy. This eliminates springing and crystallization which is destructive to power and long life.

24 Hour Oiling System

The oiling system on the Lifetime WITTE Heavy Duty Engine is maintained by sight feed lubrication. Even though you are running 24 hours a day it is never necessary to shut it down to oil it. The two massive flywheels are accurately balanced to insure smooth steady power when running on light or heavy loads.

for Dependable Heavy Duty Power

Operates on All Liquid or Gas Fuels

WITH low grade fuels in a Lifetime WITTE Heavy Duty Engine, it is now possible to produce your power for less than either electricity or steam. No expert mechanic is needed to take care of a WITTE Heavy Duty Engine which will furnish you with the most reliable low cost power that you can buy. Constructed along massive lines, yet no useless dead weight, strong where strength is needed, properly designed for continuous running. The Lifetime Guarantee is *built into* every engine and not placed *on it* like a tag or label. You will find it a smooth, steady working power plant.

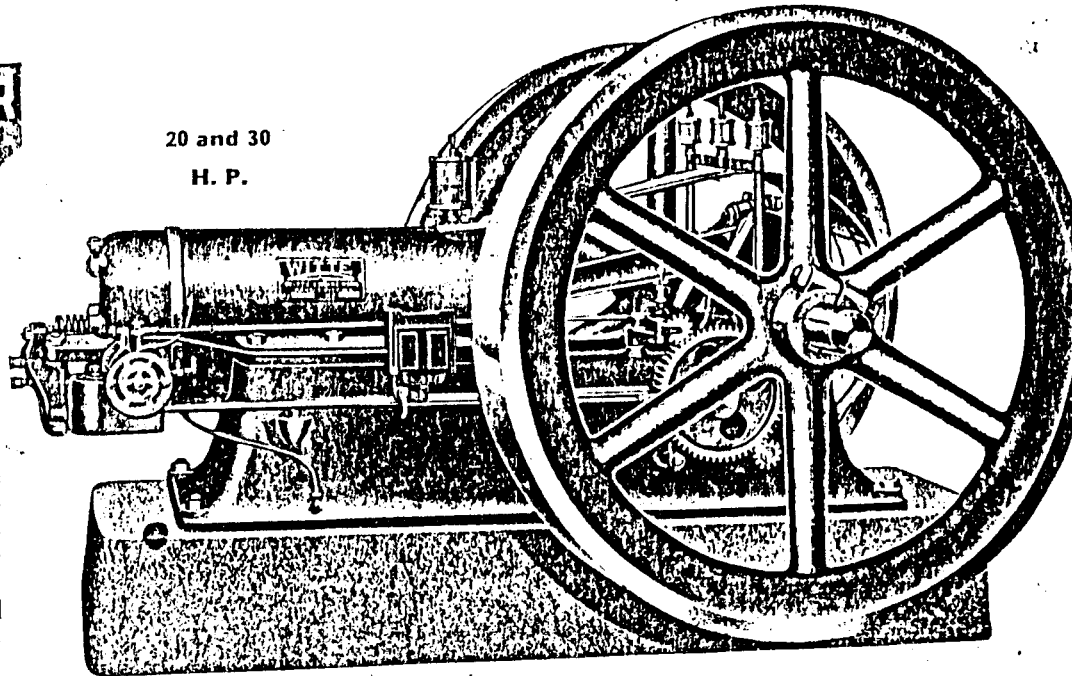
20 HORSEPOWER
\$475

CASH PRICE

**ALSO SOLD ON
EASY PAYMENTS**

Don't confuse this engine with so-called heavy duty engines offered by some manufacturers. Get a reliable power plant that is **BUILT FOR HEAVY DUTY**. You will find it a wise and profitable investment.

20 and 30
H. P.



TRULY "A BRUTE FOR STRENGTH"

The Lifetime WITTE Heavy Duty Engine is the greatest power unit of the entire WITTE Line. It represents the last word in a REAL Heavy Duty Engine. It embodies, therefore, every known improvement on the market. In making these improvements it has always been in mind to build an engine that would be strong enough to stand the strain of long continuous running—to be simple enough mechanically so that anyone could understand and operate it, and be handsome enough in appearance to make its owner proud of it. While conservative, we have kept pace with

the latest improvements in modern engineering practice. welcome the most careful test and comparison of our engine with those of any market, foreign or domestic. With most modern machinery and tools, together with the high class of skilled engineers and employees, we feel that our product is as nearly perfect as human skill and ingenuity can make it. Today the Lifetime WITTE Heavy Duty Engine stands alone in its class, it is the best built and easiest understood American engine made. Truly the last word in a Heavy Duty Engine.

DO YOU KNOW

That a Heavy Duty Engine running on natural gas or distillate will furnish you with the cheapest power obtainable?

Additional Information in Bulletin 95

Specifications and Prices

Rated H. P.	R.P.M.	Plain Pulley	Flywheel Diameter	Floor Space	Shipping Weight	Cash Price	Payment Price	Down Payment	Month Payment
20	300	20"x10"	43"	51"x72"	2570	\$475.00	\$522.55	\$50.00	\$50.00
30	275	24"x12"	56"	61"x92"	4350	695.00	764.55	75.00	75.00

Lifetime Witte Direct Geared Pumpers

NO FARM is modern without an adequate water supply. A Lifetime WITTE Pumper gives you the equivalent of city water, at a low cost. Save the wife some of her work, too. Shave, bathe and wash without the labor of hauling or hand pumping of water. Have plenty of water for your stock at all times. Get lower insurance rates as a result of good fire protection.

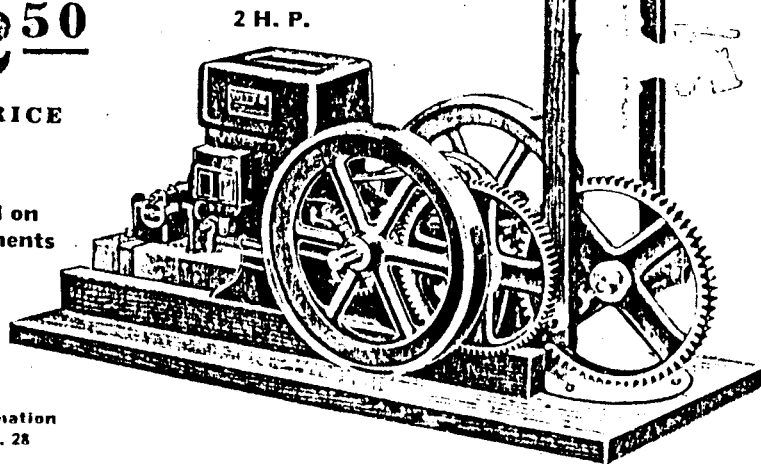
More Than Just A Pumping Outfit

The Lifetime WITTE Direct Geared Pumper has power enough to pump water from any well, be it 30 feet or 300 feet deep. It will pump a surprising amount of water from a 150 ft. well on a single gallon of gasoline. But it will do more than that—it is more than a pumping engine. In addition to the geared pump jack it has two shafts for belt pulleys. You can belt it up to your churn, cream separator, washing machine, feed grinder, cement mixer, bone mill, line shafting, dynamo, etc., making it pay for itself many times over in a wide range of useful work. This is the highest type of direct geared pumper you can buy—it is built to stand the hard usage of continuous service, under all weather conditions. Its dependability, durability and economical upkeep are proved by actual performance—many WITTE engines sold thirty to forty years ago are still pumping water and giving excellent service.

\$62⁵⁰

CASH PRICE

Also Sold on Easy Payments



End the Back-Breaking Drudgery of the Water Pail and Hand Pump Forever!

15 IMPROVED FEATURES

- 1 Positively all geared—no belt slip.
- 2 High speed gears are machine cut.
- 3 Straight pull on upstroke.
- 4 Wico Magneto Ignition—no battery or coils.
- 5 Throttling Governor—no jerks on pump rods.
- 6 Adjustable for 5" or 7½" strokes.
- 7 Removable die-cast bearings.
- 8 Engine usable for many other purposes.
- 9 Super-hopper cooled.
- 10 May be connected to underground system.
- 11 Speed may be varied over 50%.
- 12 Fuel tank well protected between skids.
- 13 Comes ready to set on well or cistern top.
- 14 Choice of either 2 or 3 H. P. engine.
- 15 Will pump from any depth.

LET US HELP YOU

If you have no hill or tower for a tank, it may be installed in attic, barn loft, or in the old windmill tower—or a compressed air tank may be placed in the basement, or buried in the ground. Our engineering department will gladly help you work out your plans, without cost or obligation.

Pump standards, cylinders, pipes, etc., not included in price of pumpers.

Specifications and Prices

No.	H. P.	Total Lift in Feet	Floor Space	Shipping Weight	Cash Price	Payment Price	Down Payment	Monthly Payment
102	2	200	22"x4'	300	\$62.50	\$68.75	\$7.00	\$7.00
101	3	300	22"x4'	335	83.70	91.95	9.00	9.00

Lifetime Witte Belted Pumps



WHEN it is desirable to transfer the power from your pumping outfit to other points around the home or farm, the Lifetime WITTE Belted Pumper is the favorite. By merely slipping off the belt the engine can be moved wherever desired, and used to drive your cream separator, feed grinder, churn, washing machine, or other utilities. When needed for pumping it is always ready.

Double Geared Pump Jack

The Pump Jack used in this combination is specially designed and reinforced for lifts up to 300 feet. It is of the double pinion type which applies power equally to both sides of the pump standard, preventing side thrust, and arranged to give a straight pull on the upward stroke. Clamps directly to any force-lift pump standard. Has tight and loose pulleys, 15x2 1/4 in. and includes 16 ft. of 2-in. rubber belting. Pumps 35 to 40 strokes per minute. Length of stroke adjustable—5 and 7 1/2 inches.

Standard Type "F" Engine

The engine used is our standard Type "F" Throttling Governor Engine, described in detail on page 8. The dependability and general worth of this engine has been proved on a wide range of work, in every state in the Union, in Canada, and in more than

fifty foreign countries. It is easy to start in coldest weather, and will run for long periods with no other attention than filling the oil and grease cups.

You Can Use Type "J" Engine With This Combination

We are prepared to furnish Type "J" Lifetime WITTE Engine with this belted pumper. This will give you the many advantages of the New, Enclosed—Self-Oiling—Roller Bearing Engine. No oil or grease cups to fill—requires but little attention. For price add the difference between the 2 or 3 H. P. Type "F" Engine and the 2 or 3 H. P. Type "J" Engine. You will be well repaid for the slight difference in cost. Install a Lifetime WITTE Pumper now! It will provide fresh running water for the home or farm, easily piped where you want it. You are entitled to the same conveniences the poorest city folks enjoy.



No. 103 Lifetime WITTE Belted Pumper, equipped with 3 H. P. Type "F" Throttling Governor Engine; adapted to wells up to 200 feet in depth.

No. 104 Lifetime WITTE Belted Pumper, equipped with 2 H. P. Type "F" Throttling Governor Engine; adapted to wells up to 150 feet in depth.

Specifications and Prices

No.	H. P.	Total Lift in Feet	Floor Space	Shipping Weight	Cash Price	Payment Price	Down Payment	Monthly Payment
104	2	100	22"x7'-6"	325	\$59.90	\$65.85	\$6.00	\$6.00
103	3	200	22"x7'-6"	360	79.90	87.85	8.00	8.00

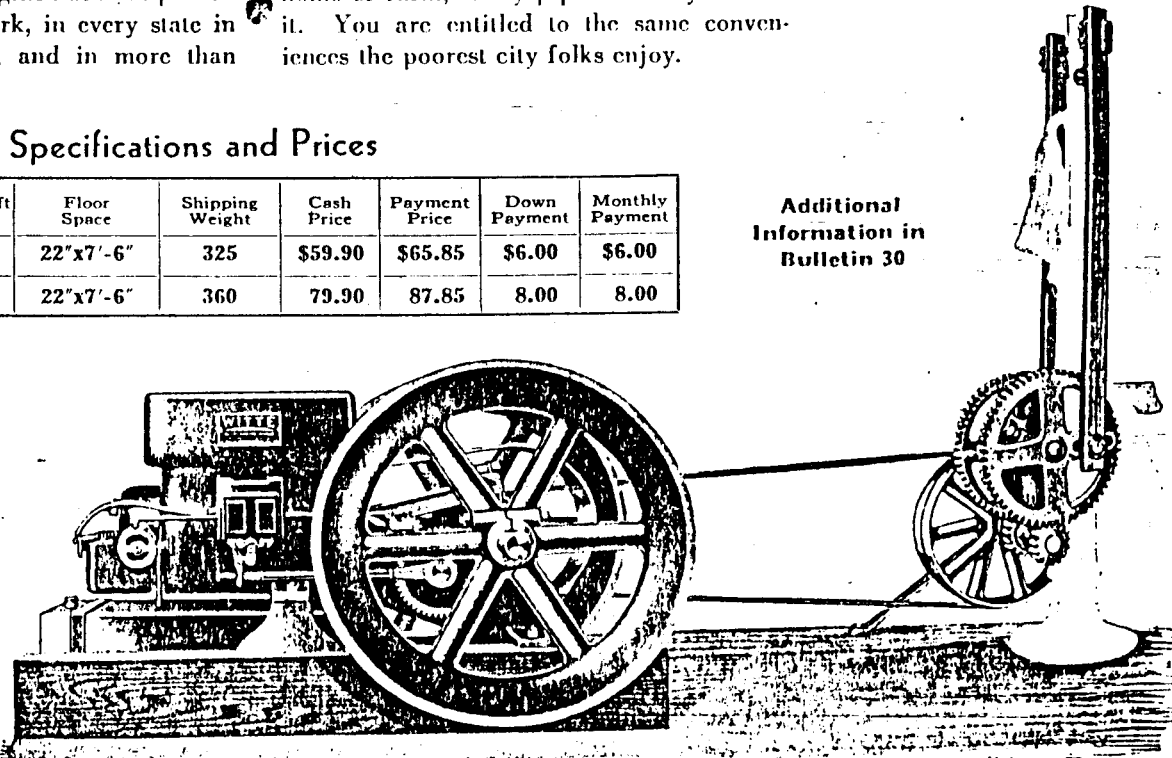
Additional Information in Bulletin 30

2 H. P.
\$59.90

CASH PRICE

Also Sold On Easy Payments

Pump standards, cylinders, pipes, etc., not included in price of pumps.



Lifetime
ESTABLISHED SINCE 1870
Witte

DOUBLE
ACTING

Force Pumps

FOR certain classes of pumping, particularly where considerable pressure is needed, the Nos. 8 and 9 Force Pumps are ideal. This pump is adapted for pumping water from wells, cisterns, lakes, springs or streams. May be placed any distance within 100 feet from well or source of water, and not over 22 feet above lowest water level, it will then push it any required distance from the pump to the storage tank. It is ideal for home and farm water systems, and is particularly valuable for heavy duty pumping, as needed by contractors, truck gardeners, greenhouses, factories, etc.

MADE IN TWO POPULAR SIZES

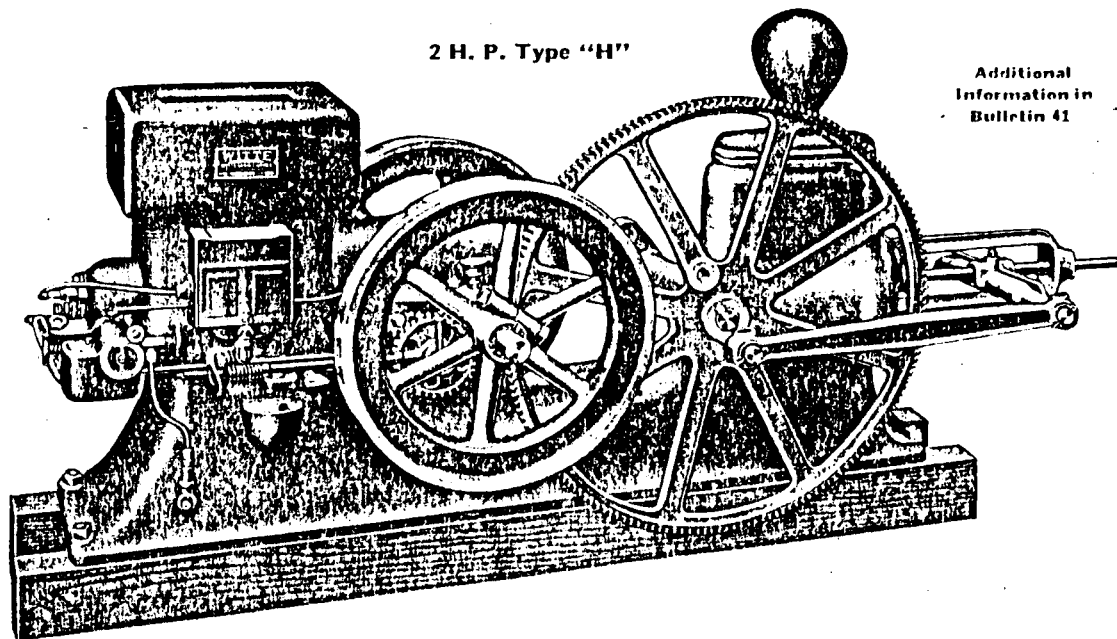
This outfit consists of a specially constructed double acting force pump of improved design, directly geared to a 2 or 3 H. P. Type "H" Lifetime WITTE Engine mounted on a one-piece iron base supporting both engine and pump. The engine is Throttling Governor controlled, equipped with Die-Cast Bearings, Wico High Tension Magneto and All-Fuel Carburetor. Crank, piston and connecting rod are enclosed,

excludes dust, sand, grit, etc. Rust-proof fuel tank is fully protected and enclosed in base. Gears are machine cut from high-grade semi-steel and will last a lifetime. The 4-in. pump cylinder is brass lined, with solid brass piston rod and stuffing box. Stroke is adjustable to 4 or 6 inches, operates at a speed of 55 double strokes per minute and has 1½-inch suction and discharge.

\$115
CASH PRICE

ALSO SOLD ON
EASY PAYMENTS

Let us help you with your pumping problems. We will gladly estimate your needs if you will tell us—Total height water is to be lifted—Tank pressure, if any—Number of gallons per min. needed—Sizes and length of pipes.



DIRECT CONNECTED - DOUBLE ACTION

Gone is the old time tedious hand pumping; you now can have running water without work or worry with the Lifetime WITTE Direct Connected Force Pump. Homes without electric power may have the comfort and convenience of fresh running water in the kitchen and bathroom. Water wailling-at the tap for the stock and garden fills a great need in hot and dry weather—and ready instantly for fire protection. This also saves on your insurance. The Lifetime

WITTE Force Pump is built extra heavy and rugged—to give long and satisfactory service—even under the hardest possible usage. An advantage of this type of pump is that it will not only lift the water from any well, spring or other source, but it will also deliver it under pressure over long distances. The No. 8 pump is equipped with a 2 H. P. engine, while the No. 9 has a 3 H. P. engine, giving it about 50% greater capacity.

Prices, Specifications and Pumping Capacity

Outfit No.	Eng. H. P.	Pump Bore and Stroke	U. S. GALS.		Head in Feet	Pressure in Lbs. Per Square Inch	Floor Space	Shipping Weight	Style Engine	Cash Price	Payment Price	Down Payment	Monthly Payment
			Per Min.	Per Hour									
8	2	4x4	24	1444	105	45	22"x63"	555	"H"	\$115.00	\$126.55	\$12.00	\$12.00
8	2	4x6	36	2160	70	31	22"x63"	575	"K"	123.00	135.35	13.00	13.00
9	3	4x4	24	1444	220	95	22"x63"	580	"H"	133.00	146.35	14.00	14.00
9	3	4x6	36	2160	145	63	22"x63"	600	"K"	143.00	157.35	15.00	15.00

NOTICE!

We can also furnish this force pump in either size, equipped with Type "K" Enclosed—Self-Oiling—Roller Bearing Engine, instead of Type "H" Engine. Please note prices.

Lifetime Witte
INVENTED SINCE 1872

Electric Pump Jacks

**CAPACITY
 100 TO 685
 GALLONS
 PER HOUR**

Silent "V" Belt Drive
 . . . Quick Return . . .
 5 and 7½ inch Strokes



EFFICIENT, silent pumping unit that may be quickly attached to any pump standard, and fastened to any wood or concrete floor. Always ready for use day or night—just plug in to any light socket or turn the switch. Complete unit including heavy duty motor, waterproof "V" type belt, heavy channel steel pittman rods and crosshead, all mounted on a heavy base ready to attach and run. As the motor is mounted on a hinged base no idler is necessary nor need the belt ever be "taken up."

COMPLETELY ENCLOSED—SELF-OILING

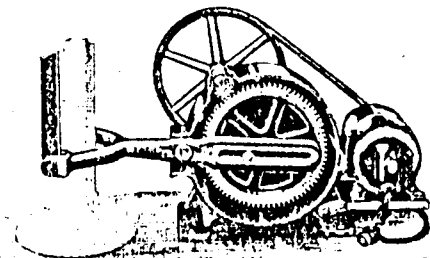
The entire working mechanism of the jack, except of course the driving pulley, is completely enclosed like the transmission of your car—silent and smooth in operation, fully protected against dirt and moisture; equipped with automobile type roller bearings, and machine cut gears. Oiling of the jack is automatic, one filling of the gear case lasting for several months.

A Powerful Pumping Unit

Standard equipment of the Lifetime WITTE Electric Pump Jack is a ¼ H. P. A. C. 60 cycle, single phase motor. In most cases this furnishes sufficient power. However, to meet the popular demand for more power to operate larger and deeper wells, we also quote ⅓ and ½ H. P. motors. We are prepared to furnish on special order, motor of any standard electrical specifications. Be sure and state H. P. wanted, current, voltage, cycles and phase.

If it is ever proper to refer to a piece of mechanical equipment as a "friend" it is certainly justified by the Lifetime WITTE Electric Pump Jack. Where can you find a "friend" more faithful—whose help you call upon more often. It is astonishing how many times a day (or night) you have occasion to use water—especially when it requires no work to draw it, all you need is a little current and a source of water. The value of water in keeping live stock in good condition is a big item. Plenty of good water increases the yield from cows. Certainly the benefits more than repay the cost of installation.

Simple, Sturdy Construction



Note the inner construction of this pump jack in the cutaway view above. All parts are made of special alloy semi-steel—much lighter and stronger than cast iron. Gears are machine cut—smooth and silent in operation. Standard automobile type roller bearings. "V" belt drive is silent, positive and powerful, permits the use of other power if electricity should be temporarily shut off.

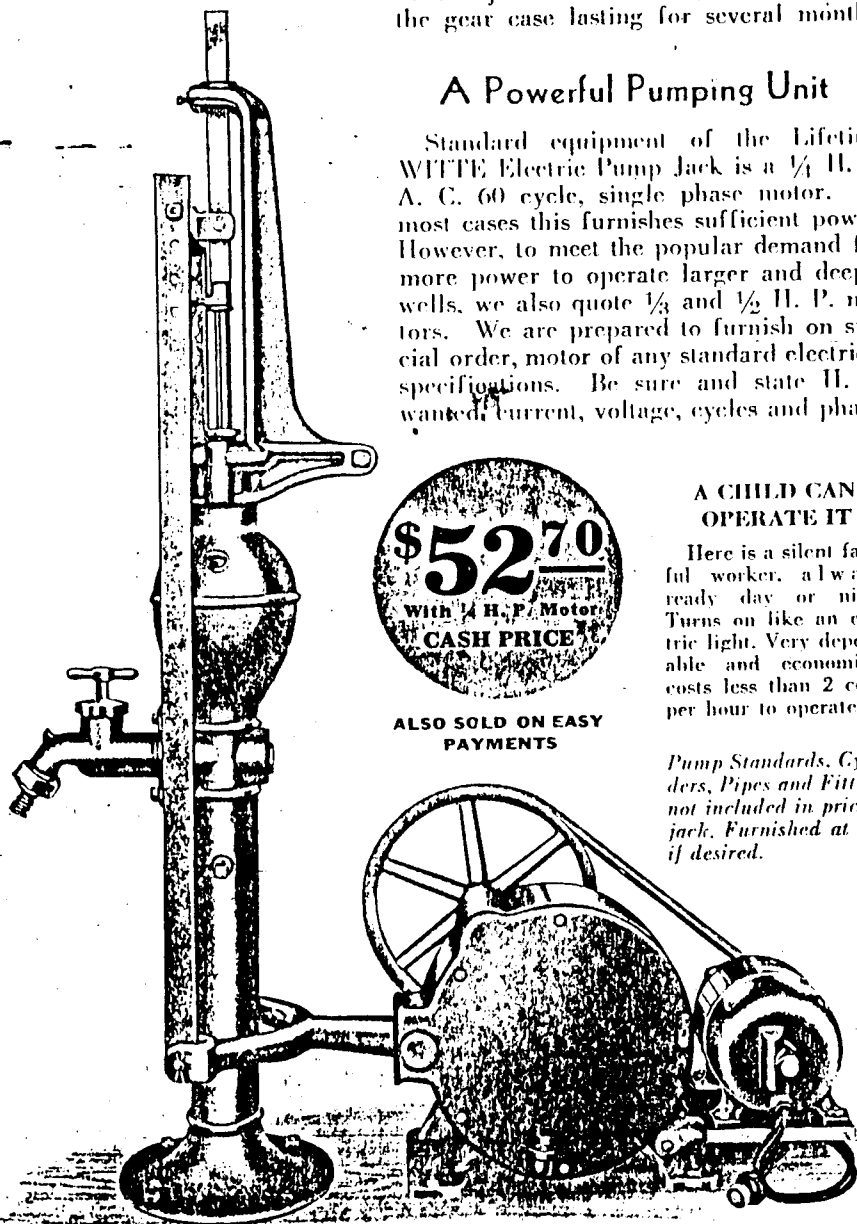
Specifications and Prices

With Motor	Shipp'g Weight	Cash Price	Pay't Price	Down Pay't	Mo. Pay't
¼ H. P.	160	\$52.70	\$57.95	\$5.00	\$5.00
⅓ H. P.	175	55.50	61.05	5.00	5.00
½ H. P.	205	72.70	79.95	7.00	7.00

PUMPING CAPACITIES

Total Head	¼ H. P. Motor		⅓ H. P. Motor		½ H. P. Motor	
	Cyl. Diam.	Gals. Per Hr.	Cyl. Diam.	Gals. Per Hr.	Cyl. Diam.	Gals. Per Hr.
50	2¾"	338	3¼"	475	4 "	685
100	2 "	180	2¼"	228	3 "	385
150	1½"	100	2 "	180	2½"	265

Additional Information in Bulletin 8



\$52.70
 With ¼ H. P. Motor
CASH PRICE

ALSO SOLD ON EASY PAYMENTS

A CHILD CAN OPERATE IT!

Here is a silent faithful worker, always ready day or night. Turns on like an electric light. Very dependable and economical. Costs less than 2 cents per hour to operate.

Pump Standards, Cylinders, Pipes and Fittings not included in price of jack. Furnished at cost if desired.

Lifetime Witte Buzz Saw Outfits

BIG money-maker in any district where there is wood to be cut! The Lifetime WITTE Buzz Saw can make money for you two ways—first, by getting your own land cleared off and available for cultivation, and at the same time providing you with a supply of firewood to use or sell; and second, by enabling you to cut wood for your neighbors, thus making money at times when you or your help would otherwise be idle.



SAWING

Do More Work at Less Cost

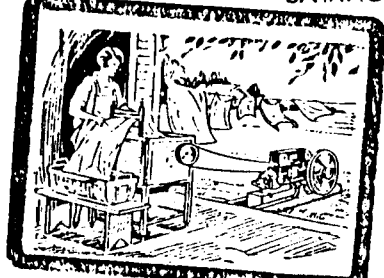
This outfit, consisting of a special tilting saw table and saw, belt-pulley and everything complete and powered by a Lifetime WITTE 3, 4 or 6 H. P. Type "F" Engine, will work faster than four men can feed it. The 3 H. P. will operate all day on not more than two gallons of gasoline—one man can operate it very satisfactorily, although two men can handle much more wood.

Make Money... Get Your Own Wood FREE!

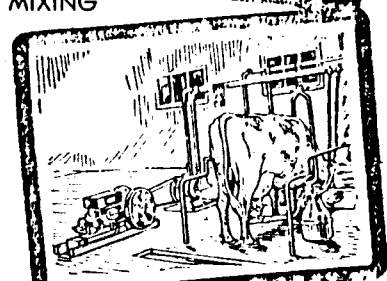
High fuel costs make wood always in demand. With the Lifetime WITTE Buzz Saw Outfit you can have a real business of your own—turn your wood-lot into cash by sawing wood to sell to friends and neighbors, and at the same time get your own wood FREE. You can quickly make your sawing outfit pay for itself, and when not in use sawing wood you can use the engine for other belted machinery—grinding feed, cutting ensilage, mixing concrete, running churns, separators, etc.



MIXING



WASHING



MILKING



GRINDING



CHURNING

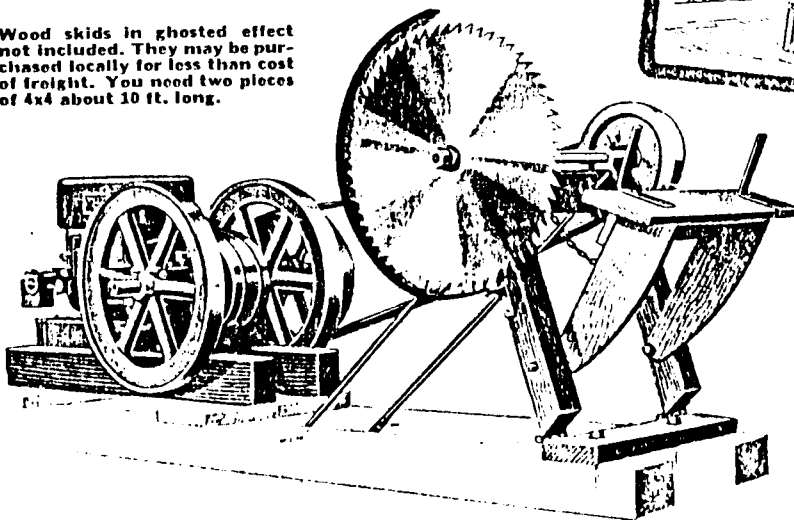
EITHER TYPE ENGINE

The Lifetime WITTE Buzz Saw is powered with the well known Type "F" open engine, a practical and economical power unit, but if you desire it we can furnish the new Type "J" Enclosed—Self-Oiling—Roller Bearing Engines. For price add the difference between the 3, 4 or 6 H. P. Type "F" Engine and the 3, 4 or 6 H. P. Type "J" Engine.

Wood skids in ghosted effect not included. They may be purchased locally for less than cost of freight. You need two pieces of 4x4 about 10 ft. long.



SEPARATING



HORSEPOWER
\$89.70
CASH PRICE

Also Sold On Easy Payments

Every Picture Tells a Story

How many of the jobs shown in the above sketches are you doing by hand? This is the age of power, in this new day human hands no longer have to do all the 101 odd jobs around the home and farm. Let Lifetime WITTE Power do it for you - - - save time, labor and money.

Specifications and Prices

Type 'F' Engine	L'gth Overall	Width Overall	Height Overall	Diam. of Saw	Best for Wood	Ship'g Weight	Cash Price	Pay't Price	Down Pay't	Mo. Pay't
3 H. P.	7'-0"	34"	3'-7"	18"	Up to 4"	425	\$ 89.70	\$ 98.75	\$ 9.00	\$ 9.00
4 H. P.	7'-6"	34"	3'-8"	20"	2" to 6"	540	108.50	119.35	11.00	11.00
6 H. P.	8'-0"	34"	3'-10"	24"	4" to 8"	740	128.90	141.75	13.00	13.00

We can furnish saw blades of any standard specifications.

Additional Information in Bulletin 56

Lifetime Witte
GUARANTEED SINCE 1917

Portable Saw Rigs

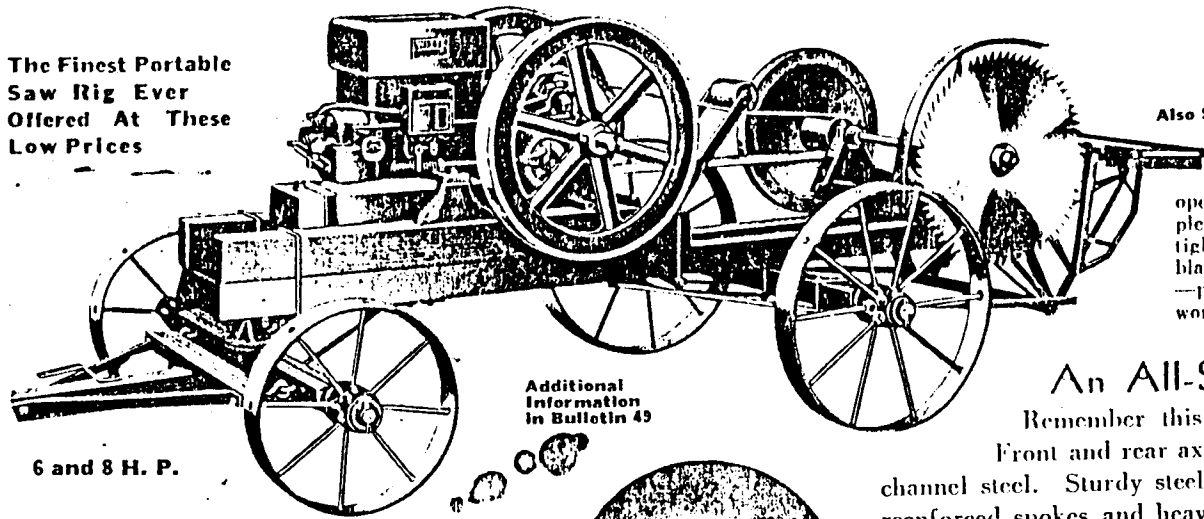
Stationary Engine—Sawing Outfit and Portable Engine, All In One

HERE is a real money maker! The original 3-in-1 outfit, ready for work the year round. As a saw rig you can clear timber, cut poles into cord-wood, cut your summer stove wood, or work up "fallen" or dead timber, fence rails, fence posts, old railroad ties and turn them into money and make your land more valuable. Hundreds of men are making money every winter sawing wood about towns where timber is cheaper than coal. This outfit will earn good money when there is nothing else to do.

MANY OTHER USES—But that isn't all. The Lifetime WITTE Engine on your saw rig can be put to a wide variety of year round uses—and this without dismantling from the truck. You can move it quickly and easily anywhere about the farm—use it for pumping water, grinding feed, filling silos, mixing concrete—and in countless other ways that will occur to you, once you realize you have a powerful, economical portable engine at your command.

6 HORSEPOWER
\$228
CASH PRICE

The Finest Portable Saw Rig Ever Offered At These Low Prices



Also Sold On Easy Payments

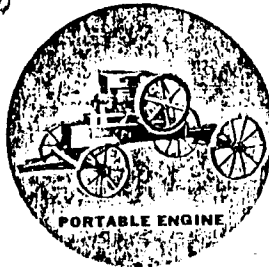
Furnished in both 6 and 8 H. P. Type "F" open engine. Shipped complete including belt, belt-tightener and guaranteed saw blade. Send your order today—put this "money maker" to work for you.

Additional Information in Bulletin 49

6 and 8 H. P.

A Real Money Maker

Because of its economy of operation, the great variety of work it will do, and its almost unlimited service made possible by our Lifetime Guarantee, you will find the WITTE Portable Saw the most profitable investment you ever made—one that will be worth more and more to you each year, and pay for itself in a short time.

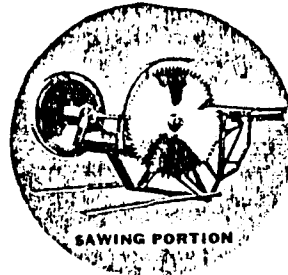


An All-Steel Outfit

Remember this is an all-steel outfit. Front and rear axles are made of double channel steel. Sturdy steel wheels with staggered reinforced spokes and heavy hubs. Front axle is swiveled for rough and uneven roads—heavy steel beams for engine. There is nothing to break or wear out. Engine is mounted on heavy wood skids so it can easily be removed and replaced.

Economical Power

All Lifetime WITTE Engines and combinations also use the cheaper fuels—kerosene, distillate, gas oils, etc., equally as well as gasoline. Use gasoline for starting and short runs, but cut your fuel costs in half by switching to kerosene or distillate for big jobs and long runs.



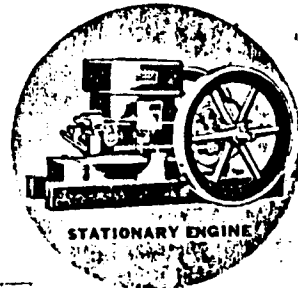
Take The Power To Your Work

With this outfit you are not limited to the work on your own place. When you have cut all your own wood you can take it to your neighbors, near and far—you can really get into the wood-sawing business in a big way and clean up immense profits during the fall and winter, when most other work is at a standstill. Be the wood contractor in your neighborhood. Order at once and take advantage of these low prices.

Specifications and Prices

H. P.	Length Overall	Width Overall	Height Overall	Diam. of Saw	Best for Wood	Shipping Weight	Cash Price	Payment Price	Down Payment	Monthly Payment
6	10'	5'-6"	4'-2"	24"	8"	1340	\$228.00	\$250.75	\$23.00	\$23.00
8	10'	5'-6"	4'-6"	26"	10"	1625	249.50	274.75	25.00	25.00

We can furnish saw blades of any standard specifications.



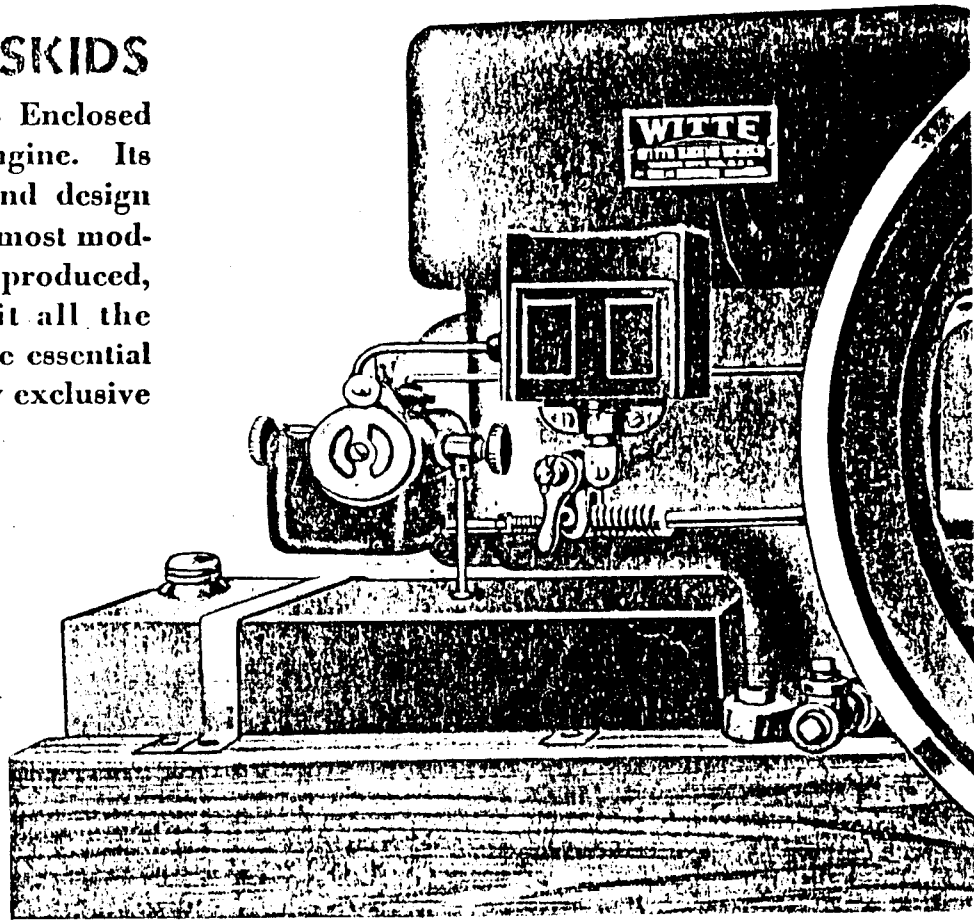
Lifetime

WITTE ENCLOSED SELF-OILING ROLLER BEARING

TIME TESTED SINCE 1870

TYPE "J" on WOOD SKIDS

Here is the new Lifetime WITTE Enclosed—Self-Oiling—Roller Bearing Engine. Its quality, superior workmanship and design are apparent at a glance. It is the most modern, most efficient gas engine yet produced, embodying in one compact unit all the features conceded by experts to be essential in an engine of this type, and many exclusive features besides.



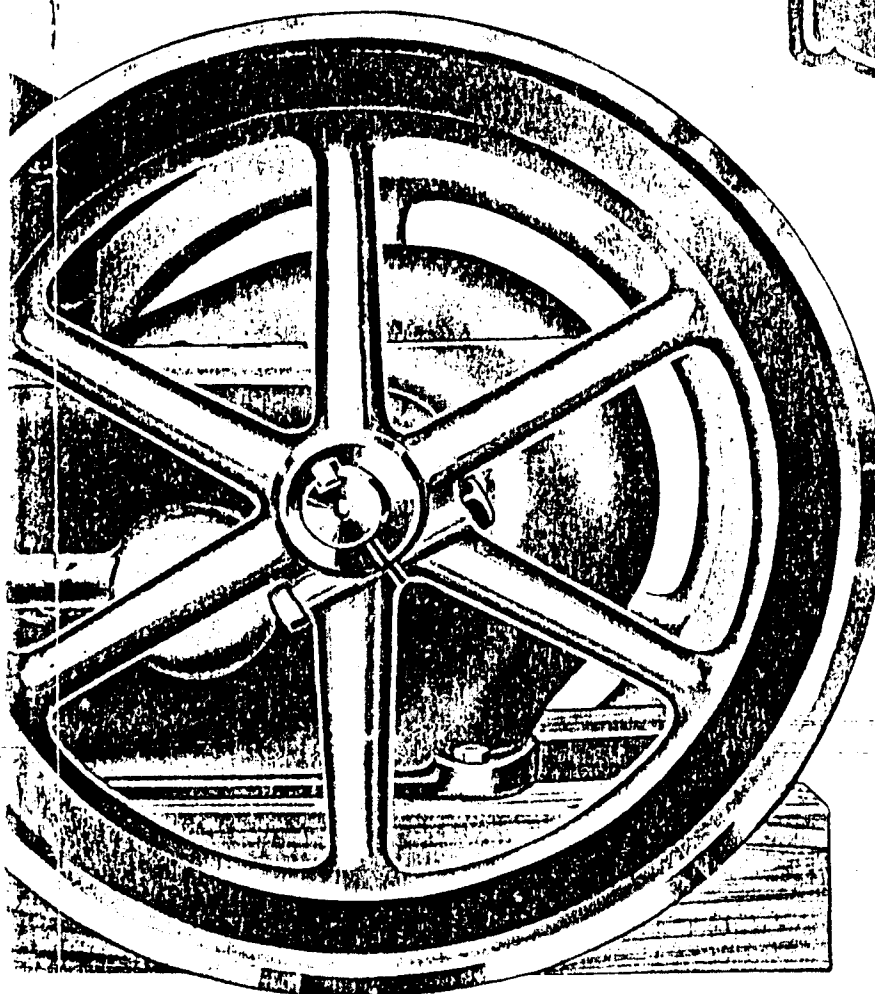
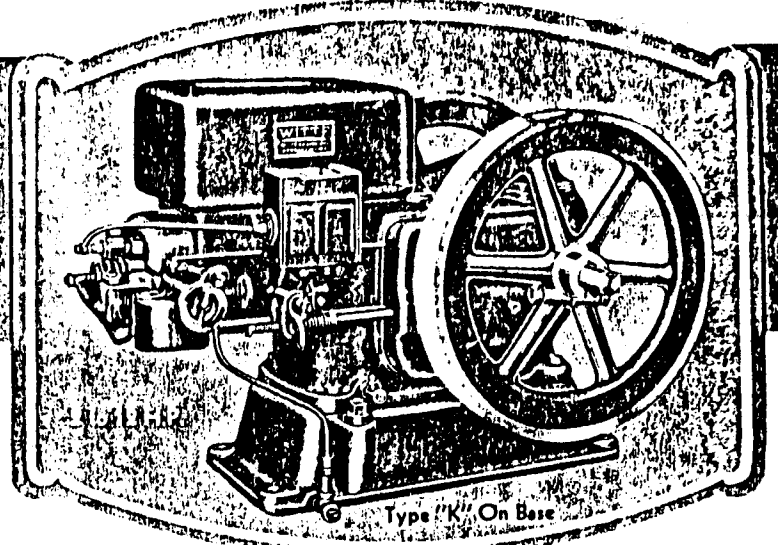
This is the only American engine of its type built in 2 to 12 H. P. sizes. Enthusiastic owners in sandy and dusty territory loudly acclaim the new Lifetime WITTE as the only type engine that "delivers the goods" no matter where it is placed and under the most trying conditions.

Type "J" 2 to 12 H.P.

**ENCLOSED
SELF OILING
ROLLER BEARING**

—the *J*
IS BUILT IN

Witte ENGINES



This new Lifetime WITTE Engine is the last word in stationary engine construction. Indeed it is so carefully built and assembled that it might well be compared with a fine watch. Like the jewels of the watch the Timken Roller Bearings are built for years of enduring service and yet will show no signs of wear. All driving parts have the same protection against dust, sand, grit and filth that the modern high class automobile motor has, they run at all times in a bath of clean oil automatically controlled by an improved central splash system.

**"IT'S THE BEST MONEY
CAN BUY"**

An engine mounted on skids is the type preferred where it may be necessary to move the engine from one part of the farm to another, but when intended for a permanent location, the iron base engine shown above, is favored. This type has the fuel tank concealed and protected within the iron base.

Lifetime Guarantee
WITTE ENGINE

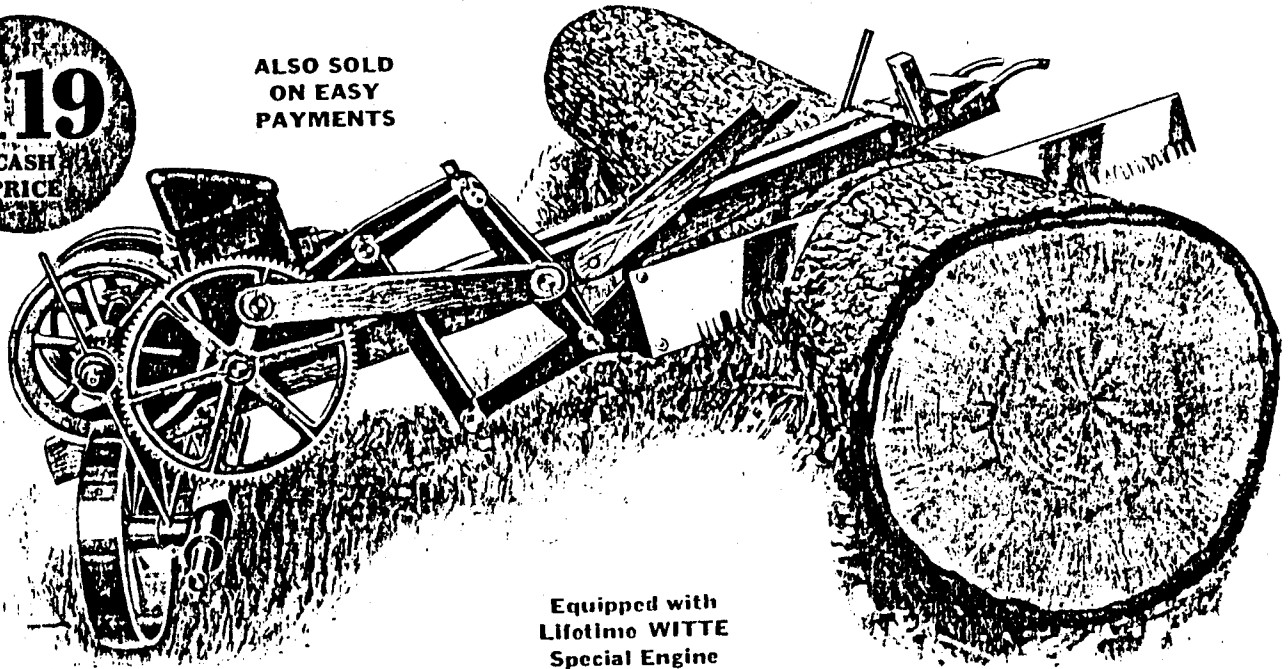
Lifetime Witte
ESTABLISHED SINCE 1872

Log Saws

**HUMAN
ARM
SWING**

\$119
CASH
PRICE

ALSO SOLD
ON EASY
PAYMENTS



Equipped with
Lifetime WITTE
Special Engine

There is No Other Log Saw Like This!

Two men and a crosscut saw make an efficient working unit—because, unconsciously, the natural swing of their arms give to the saw the most efficient motion possible. The Lifetime WITTE Log Saw duplicates this human motion, yet has many times the power of two men behind every stroke. That's why this is the most efficient log saw on earth! For the WITTE is the only saw exactly duplicating the human arm swing, and it needs no slide rods, cams, or other complicated parts to do it.

Requires Little Attention

The lever controlled friction clutch enables you to run the engine without starting the saw—and also releases saw if the log should start to pinch. Heavy spurs, with hook and chain, anchor the rig to the log. When once started you can go ahead and split the blocks cut. Requires no further attention until the log is cut through. Then roll it along to the next cut.

Special Super Hopper

Note the extra water hopper—an exclusive WITTE feature—prevents the hot end of the cylinder running dry when sawing at a steep angle. You can use your Lifetime WITTE in an almost perpendicular position as easily as if it were horizontal, with no danger of overheating.

Useful for Other Work, Too!

When not in use as a log saw the special Lifetime WITTE Engine used on this rig can be belted up to other machinery, making the outfit of year round service. Belt it up to the cream separator, washing machine, feed grinder, churn, milker, pump, etc.—the all-fuel, throttling governor engine will pay for itself many times over.

Compact, Easy to Handle

The small end of the outfit weighs only 38 pounds—even a boy can move it about or can push it to the job as easily as a wheelbarrow. The saw is made especially for us by one of America's best known saw manufacturers. It is extra heavy, and when kept in good order will walk right through the largest trees.

Specifications and Prices

Outfit	H. P.	L'gth	Width	H'ght	Saw Blade	Shipping Weight	Cash Price	Pay't Price	Down Pay't	Mo. Pay't
Log Saw	4	3'-2"	8'-2"	3'-3"	5 ft.	525	\$119.00	\$133.25	\$ 33.00	\$20.00
No. 51 Comb.	4	Log Saw-Branch Saw & Clutch Pulley				685	147.50	165.25	35.00	22.00
No. 50 Comb.	4	L & T Saw-Branch Saw & Clutch Pulley				795	163.70	183.45	40.00	24.00

EASILY OPERATED BY ONE MAN

Log and Tree Saw Combination Outfits

These combinations have been assembled with the idea of giving our customers a complete outfit, from cutting the tree to buzzing the branches.

No. 50 Includes the Lifetime WITTE Log and Tree Saw, described on the opposite page—and the WITTE Special Buzz Saw, light in weight, easy to move, but sturdy in construction—WITTE Clutch Pulley so that the engine may be used for running the buzz saw or other power purposes when the saw is not in use. This power plant being on wheels is easily transported for these purposes.

No. 51 This combination is the same as our No. 50, with the exception that it does not have the tree saw attachment. In this case the trees are "felled" by hand. The Special Buzz Saw and Clutch Pulley are also furnished with the combination, giving you everything you need after the log is on the ground.

Put One of These Money-Making Outfits To Work NOW!

Lifetime
WITTED SINCE 1880
Witte

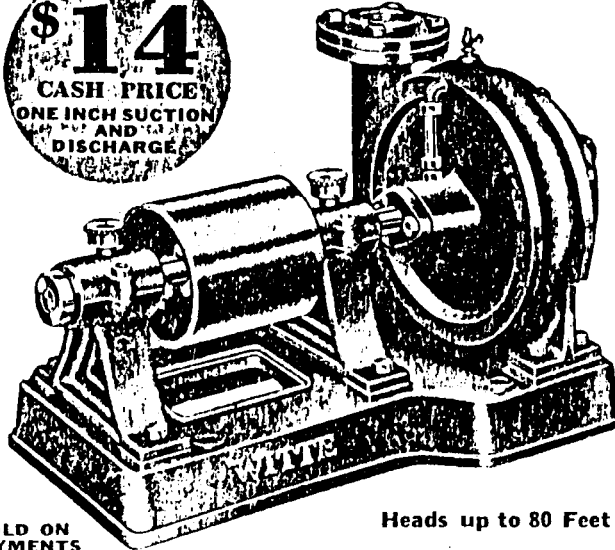
Centrifugal Pumps

FOR irrigation, pumping of oil, drainage of mines, quarries, or excavations, paper stock, circulating systems, or wherever large quantities of liquids are to be pumped, Lifetime WITTE Centrifugal Pumps are ideal. They will handle economically water or any other liquid not seriously affecting iron or steel, and are particularly successful where liquids contain silt or filth. No pistons or valves to cut or clog.

Write for Bulletin 20

These pumps are of the single stage, open impeller type, horizontal, and belt-driven. Bulletin No. 20 describes in detail the use of WITTE Centrifugal Pumps, and shows a complete table of the R. P. M. and H. P. required for pumping against total heads of 10 to 80 feet. If you have a pumping problem or are interested in centrifugal pumps, send for this bulletin today.

\$14
CASH PRICE
ONE INCH SUCTION
AND DISCHARGE



ALSO SOLD ON
EASY PAYMENTS

Heads up to 80 Feet

Capacities 10 to 1300
Gallons Per Minute

On pumping jobs to which it is adapted, this dependable and durable centrifugal pump offers some decided advantages, notable among which are extreme simplicity and durability. Our pumps are made from special alloy semi-steel castings, designed to stand up under severest conditions. There are so few working parts to a centrifugal pump that there is practically nothing to get out of order—no valves or pistons to cut

or clog—and in the event of accident, a broken part can be replaced at small cost. Lifetime WITTE Centrifugal Pumps are built in all standard sizes from 1 inch to 8 inch intake, discharging from 10 gallons to 1300 gallons per minute against any head up to 80 feet.

A Centrifugal Pump Will Deliver More Water Per Minute Than Any Other Type

This is due to its simple and efficient construction; in the single stage, open impeller type the stuffing box gland is well packed and sealed to prevent the entrance of air to break the suction. Foot valves are recommended at the bottom of all suction pipes. Where you need the greatest amount of water in the shortest time, install a Centrifugal Pump to deliver it quickly and efficiently.

Investigate the benefits and profits derived from practical irrigation. The scene below is taken from the Rio Grande Valley.



Pump and Pulley One Complete Unit

All sizes are mounted on a self-contained base, therefore easy to set up and operate. Pumps are of one standard design, all parts absolutely interchangeable and accurately gauged. Priming and draining openings are provided on each pump. This is the simplest and sturdiest type of pump known to the industry. While low in price this pump should not be confused with the ordinary trade pump with which the market is flooded. Only quantity production makes possible the low price at which these pumps are sold. Power requirements vary with conditions. We will gladly make recommendations for your installation.

Specifications and Prices

Pump Size	Suction and Discharge	Gals. Per Min.	Size of Pulley	Ship'g Weight	Cash Price	Pay't Price	Down Pay't	Mo. Pay't
1 "	1 "	20	3"x2 1/2"	25	\$14.00	\$15.45	\$3.00	\$3.00
1 1/2 "	1 1/2 "	30	4"x3 "	35	20.00	21.95	3.00	3.00
2 "	2 "	70	5"x5 "	100	28.00	30.75	4.00	4.00
3 "S	3 "	120	6"x6 "	200	50.00	54.95	5.00	5.00
3 "L	3 "	200	6"x7 "	265	60.00	65.95	6.00	6.00
4 "	4 "	270	7"x7 "	375	75.00	82.45	8.00	8.00

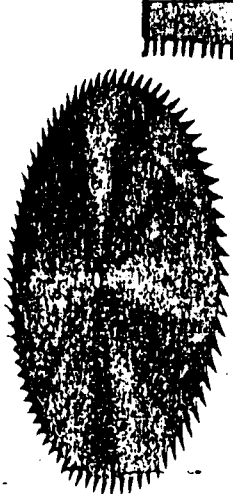
On request we will furnish prices on sizes up to 8".

Interchange of Parts - - All corresponding parts of Lifetime WITTE Centrifugal Pumps are uniform and interchangeable, as they are manufactured to standard jigs and gauges. Parts subject to wear are easily renewed at minimum cost.

Designed and Manufactured Especially For Use With WITTE Engines

Supplies sold for Cash Only unless ordered with engine or outfit.

WITTE QUALITY SAW BLADES

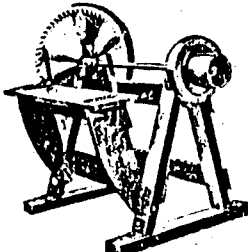


WITTE Saw Blades are especially made for our equipment. The teeth are scientifically designed with deep gullets for fast sawing. All blades hand hammered and set ready for use.

- 5 ft., each \$ 7.50
- 6 ft., each 10.00
- 7 ft., each 13.00

Diam.	Thick-ness Gauge	Size		Price
		Mandrel Hole		
18 in.	13	1 in.		\$2.00
20 in.	13	1 in.		2.25
22 in.	12	1 in.		2.75
24 in.	11	1 1/4 in.		3.00
26 in.	11	1 3/4 in.		4.00
28 in.	10	1 3/4 in.		4.75
30 in.	10	1 3/4 in.		5.50

WITTE TILTING TABLE BRANCH SAWS



No. 10 Branch Saw
Saw not included

Lighter in construction than our No. 12 frame, but made of the same high quality materials. Use with 2 to 6 H. P. engines, and 18 to 22-inch saw blades. Equipped with 25-lb. balance wheel and 36-inch mandrel, 1 1/4-inch diameter. Fits saws with 1-inch holes. Pulley 5 inches in diameter by 4-inch face. Shipping weight 115 pounds.

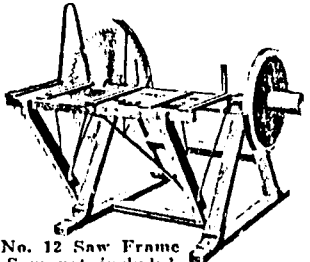
Price \$18.00

HEAVY DUTY SAW FRAMES

This Heavy Duty Saw Frame is made extra strong, throughout, securely braced and bolted. Equipped with 48-in. cold rolled steel mandrel, 60-lb. balance wheel, 5x4-in. pulley and heavy iron saw guard. Use with 6-8 and 12 H. P. engines and saw blades up to 30-in. in diameter.

Shipping weight 250 lbs.

Price \$24.00



No. 12 Saw Frame
Saw not included

WITTE CLUTCH PULLEY RIMS

Special Clutch Pulley Rims for use on the WITTE Log Saw when you desire to use a belt for running a saw frame, grinder, etc. It goes on the crankshaft just back of the clutch lever and permits you to start and stop your saw frame, grinder, etc., in the same manner as you operate your saw blade. Pulley is 10 inches in diameter for 3-inch belt. Shipping weight 15 pounds.

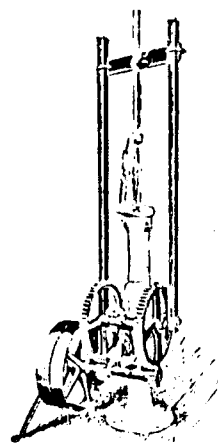
Price \$5.00



GUARANTEED RUBBER BELTING

Weather-proofed—Especially prepared for outdoor work.

- 2 in. — 3-ply per ft. \$0.12
- 3 in. — 3-ply per ft. .20
- 4 in. — 4-ply per ft. .26
- 6 in. — 4-ply per ft. \$0.38
- 8 in. — 4-ply per ft. .49
- 10 in. — 6-ply per ft. .90
- 12 in. — 6-ply per ft. \$1.10



DOUBLE GEARED PUMP JACKS

This Double Geared Pump Jack has machine cast semi-steel gears, cold rolled steel shaft, large reamed bearings, tight and loose pulleys. Jacks are fitted with adjustable clamp for fastening to any standard pump. Also has strong brace for securing to well platform, adding double strength to jack and relieving pump standard of usual strain. Stroke is adjustable to 5 or 7 1/2 inches. Pulley size 15x2 inches. Pulley speed of 200 R. P. M. equals 40 strokes per minute at pump.

Shipping weight 90 lbs.

Price \$8.00

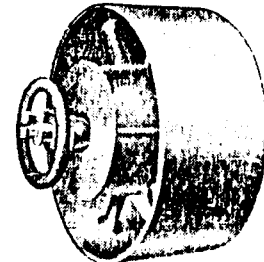
PORTABLE ENGINE TRUCKS

Make your small engine a Portable one. This rigid, semi-steel truck makes it easy for you to move your engine from one job to another. Use your engine every day in the year. Average shipping weight 100 lbs.



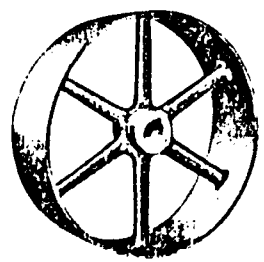
Price, 2, 3 or 4 H. P. \$5.00
Price, 6 H. P. \$10.00

WITTE FRICTION CLUTCH AND PLAIN PULLEYS



Heavy Duty Clutch

A friction clutch pulley is a necessity on large engines. They allow easy starting and instant stopping of all loads. Fully guaranteed against defects. Plain crown pulleys are turned true and made from first class materials. If both key and set screw are wanted add 50c to prices.



Plain Crown Face

PLAIN CROWN FACE PULLEYS

For 2 & 3 H. P.	Bore 1 1/4"	4x3 \$1.90	5x4 \$2.00	6x4 \$2.20	6x6 \$2.30	8x6 \$2.50	10x6 \$3.00
For 4 H. P.	1 1/2"	6x3 \$2.10	6x4 \$2.20	8x4 \$2.30	8x6 \$2.50	10x6 \$3.00	12x6 \$3.40
For 6 H. P.	1 3/4"	8x4 \$2.30	8x5 \$2.35	8x6 \$2.50	10x6 \$3.00	12x6 \$3.40	14x6 \$3.85
For 8 H. P.	2"	10x4 \$2.90	10x6 \$3.00	12x6 \$3.40	14x6 \$3.85	16x6 \$4.35	18x6 \$4.85
For 12 H. P.	2 1/4"	12x6 \$3.40	14x8 \$4.80	16x8 \$5.50	18x8 \$6.20	20x8 \$7.00	24x8 \$8.50
For 20 H. P.	3 1/8"	18x8 \$6.20	20x10 \$8.40	22x10 \$9.50	24x10 \$10.15	26x10 \$11.15	28x10 \$12.35
For 30 H. P.	3 3/8"	20x12 \$9.40	24x12 \$11.25	26x12 \$12.50	28x12 \$14.00	30x12 \$16.00	Special Bores \$1.00 Ex.

FRICTION CLUTCH PULLEYS

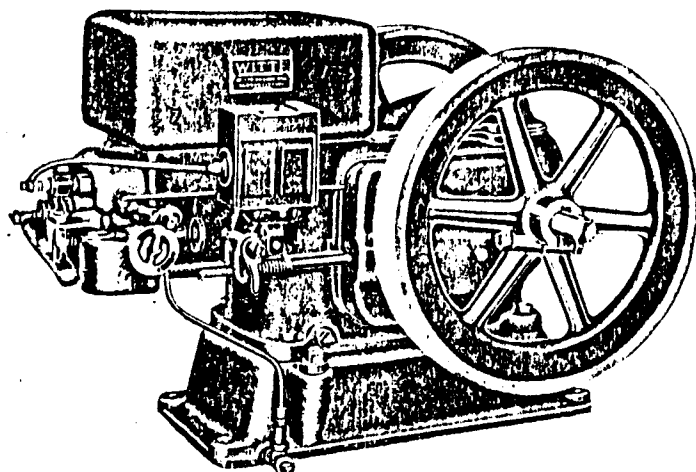
For 4 H. P.	Bore 1 1/2"	8x6 \$14.00	10x6 \$16.00	12x6 \$18.00	14x6 \$20.00	16x6 \$22.00	18x6 \$24.00	20x6 \$26.00
For 6 or 8 H. P.	1 3/4" & 2"	8x6 \$16.00	10x6 \$18.00	12x6 \$20.00	14x6 \$22.00	16x6 \$24.00	18x6 \$26.00	20x6 \$28.00
For 12 H. P.	2 1/4"	12x8 \$25.00	14x8 \$27.00	16x8 \$29.00	18x8 \$31.00	20x8 \$33.00	22x8 \$35.00	24x8 \$37.00
For 20 H. P.	3 1/8"	18x10 \$40.00	20x10 \$43.00	22x10 \$46.00	24x10 \$49.00	26x10 \$51.00	28x10 \$53.00	30x10 \$55.00
For 30 H. P.	3 3/8"	22x12 \$70.00	24x12 \$75.00	26x12 \$80.00	28x12 \$85.00	30x12 \$90.00	Other sizes Furnished on special order	

For any size not listed take next higher price.

Description of Principal Features

And Their Points of Superiority

WE BUILD Lifetime WITTE Engines in two styles—the “F” type open model, well known to engine users everywhere, and the new Enclosed, Self-Oiling, Roller Bearing Engines in the type “J” and “K.” Both are basically the same, having many of the same working parts and operating principles. Like the automobile type motor the Lifetime WITTE Engines are designed on the 4-cycle throttling governor principle, insuring easy starting, full power and dependable operation. Only the highest grade materials, accepted as standard by automotive engi-



Type “K” on Iron Base

neers are used. Every part is precision made. The standards governing the production of these fine engines are as exacting and unvarying as those followed by the makers of fine motor cars. They come to you not as an experimental product, but as highly developed engines, designed and built on the proved principles that have enabled Lifetime WITTE Engines to serve over 350,000 users daily with complete satisfaction. Like the highly perfected automobile engine Type “J” and “K” Lifetime WITTE Engines are enclosed to keep out dirt, sand and grit, thus insuring a quiet, clean engine with full protection against anything dropping into the works while in motion. The Self-Oiling feature is controlled by an improved central splash system. The splasher is located in the center and supplies oil to all parts. Both sides are equally lubricated without waste. The cutaway view, on the opposite page, illustrates the positive action of this oiling system. The timing gears, rollers, rocker and cams are separately enclosed on the side of the crank case.

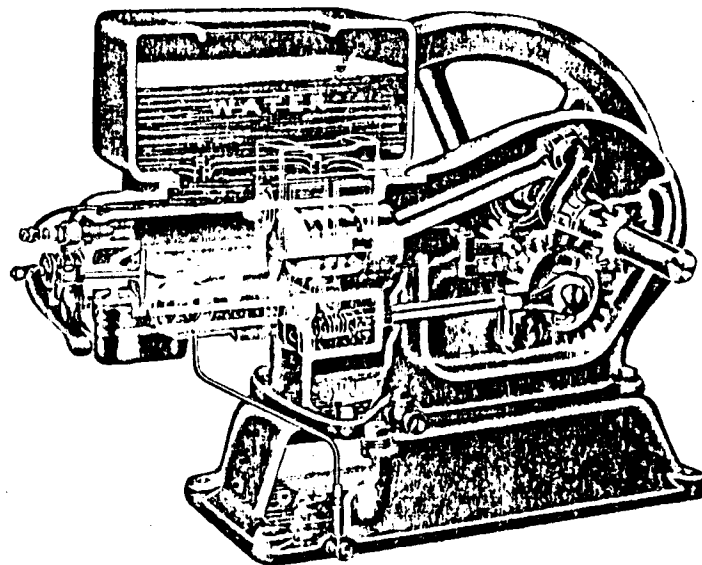
A breather valve, located in the crank case, circulates oil vapor in the gear case and also relieves back pressure. A check valve returns surplus oil to crank case, avoiding waste. This insures a clean, ventilated motor and one that is very economical in its use of oil. Genuine Oversize Timken Roller Bearings are fitted to the drop forged carbon steel crankshaft. They are fully guaranteed for the life of the engine. They run without friction, the parts are case-hardened to give them a hard outer surface with a tough

shock-resisting inner core. Even after hundreds of millions of revolutions, wear in a Timken Bearing is so slight as to be imperceptible. This means an easier running engine and power savings. A study of the cutaway view of type “K” on this page reveals the simplicity of this self-contained power plant. Ample cooling water is held in the super-hopper, which has a large opening for greater radiation. A lake of oil in the crank case supplies fresh oil for lubrication, and the fuel is contained in the attractively shaped hollow base. In the type “J,” which is mounted on skids, the fuel tank is well protected between the skids.

Our type “F” open engines are lubricated by means of large capacity grease and oil cups, conveniently located; they supply ample lubrication to all points of wear. The large sight feed lubricator that lubricates the piston and cylinder, feeds its oil through a tube running through the water hopper, thus maintaining the oil in a free flowing condition even in coldest weather. They are equipped with die-cast bearings that are removable and interchangeable. Made from the highest quality anti-friction metal and easily and quickly replaced at slight expense.

The Following Features Are The Same In All Engines

Base, Frame, Cylinder and Super-Hopper are made from semi-steel instead of the usual cast iron or “pot metal” used in cheap engines. Semi-steel is now the accepted material



Cutaway view showing full detail of all important parts

for castings of maximum strength, its use permitting weight reduction, yet making a stronger, more rigid engine. The semi-steel we use is a special formula, worked out in our own laboratories. Years of successful use have proved it to be the best material for the purpose.

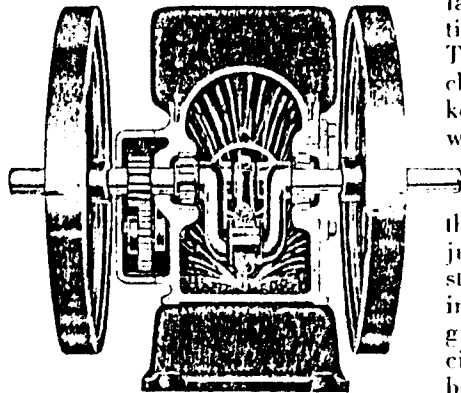
of Lifetime WITTE Engines

Developed After 60 Years of Knowing How

FLYWHEELS are also made from semi-steel and are of improved design, giving great strength. They are made with six spokes, free from holes for attaching pulleys. WITTE Engines use standard pulleys, obtainable anywhere. Bolting pulleys to holes drilled in the flywheel weakens the wheel and causes frequent breakage. Clamped flywheel hub is of the split type; when attaching, it is only necessary to drive a chisel or wedge into the crack between the spokes and the wheel can be slipped on or off in a moment's time. When the chisel is removed the wheel is clamped by its own hub; but as an

added precaution the large bolt is then tightened to hold it. The straight interchangeable flywheel key serves to keep the wheel in place on the shaft.

The Valve-in-the-head principle is just as valuable in a stationary engine as in an automobile engine — and this principle is required in best engineering practice. Intake and exhaust valves are side by side in the cylinder head.



Cutaway view showing central splash system distributing oil.

New WITTE Super-Hot Combustion Chamber

This new and great improvement in Lifetime WITTE Engines makes it as easy and practical to use the heavier fuels as it does to use high test gasoline. The trend of the times is toward cheaper fuels. In many localities gasoline is expensive, sometimes hard to obtain, and is always dangerous to store. Fuels such as Kerosene, Distillate and Gas Oils, cost but a fraction as much as Gasoline; they are easily obtainable, and safer in storage. *They have ample power for all work*, it being only necessary to get them *thoroughly vaporized* in the cylinder. For years we have been making improvements in our engines, all tending toward the use of these cheaper fuels. Our success in this direction has made the Lifetime WITTE an all-fuel engine. We knew, however, that it was possible to get still more power from these fuels, for we had discovered an entirely new principle, which if applied would revolutionize the whole idea. After a three-year test we have succeeded and now its use is practical. The new WITTE Super-Hot Combustion Chamber accomplishes what has never been accomplished before. It *completely atomizes, vaporizes and gasifies* any of the heavier fuels better than 40° Baume—changes them instantly into

powerful volatile gases that ignite quickly and cleanly, giving greater power than was ever thought possible.

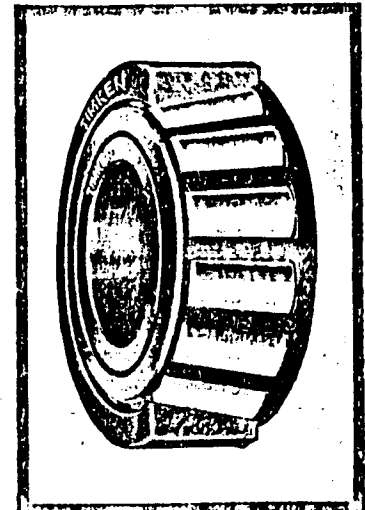
When the fuel is "not" completely vaporized, a part of it enters the cylinder in liquid form—not readily inflammable. The spark ignites the gaseous part; the pressure may force some liquid past the rings and out around the piston. This results in wasted fuel, low power and costly inefficient operation. Only by complete vaporization—only by instantly changing every bit of the fuel in the cylinder into highly volatile gas can you be assured of full power and freedom from crank case dilution. It isn't difficult to vaporize good gasoline; but the WITTE Super-Hot Combustion Chamber vaporizes low grade gasoline, distillate, kerosene, gas oils and other heavy fuels as easily as other engines handle high test gasoline.

Variable Speed Adjustment During Operation

You wouldn't think of driving a car that would run at only one speed, nor one that you had to stop in order to change the speed. Many engines have this drawback—and many purchasers do not realize it until too late. By turning a simple thumbscrew you can regulate the speed of your Lifetime WITTE Engine to suit the work at hand—which means a tremendous advantage in efficiency, as well as a saving in fuel.

Wico High Tension Magneto

We use the world-famous WICO Magneto, the simplest, most perfect ignition device ever invented. There is but one moving part, and it moves only $\frac{1}{8}$ of an inch! There is nothing to wear out, nothing to replace, nothing to adjust when it is once installed. It gives a hot, "fat" spark, which assures perfect ignition under all weather conditions.



Timken Tapered Roller Bearings

Safety Spark Retard Lever Every automobil user knows he should retard his spark when starting—otherwise starting is difficult and sometimes impossible, to say nothing of the danger of the engine back-firing and "kicking." To avoid this we have provided a safety spark retard lever, which makes starting easy, and completely eliminates this danger.

The foregoing constitute some of the principal mechanical features of the Lifetime WITTE Engines. Other features, such as the special material used in various parts, the extreme care used in manufacture, the careful finishing, the super-accurate gauging and final testing operations, which are discussed in the following pages, will not fail to convince you of WITTE Superiority—and you don't have to be an engine expert to appreciate these facts.

WITTE Engines are Always Dependable

Over 350,000 in use under All Conditions

WHEREVER you live, whatever the conditions or character of the work to be done, rest assured that a Lifetime WITTE Engine will make good with you just as it has done with more than 350,000 others. For WITTE engines are built right from start to finish, nothing has been overlooked that could simplify their operation, lengthen their service life or improve their quality.

BIG SURPLUS HORSEPOWER

I want to call your particular attention to the big surplus of power in Lifetime WITTE Engines. Short measure in selling never brings success. The grocer who sells a small bushel (short measure) of potatoes at a few cents reduction is not liberal with you. Short measure at reduced prices is not a saving. So it is with engines. When you buy a Lifetime WITTE you get extra power, with a flexibility that is of great value. For example a 2 H. P. WITTE will easily develop a great deal more when run at maximum speed, yet it may be throttled down for light work to 1½ H. P. We test our engines on the Fairbanks Scale, yet every Lifetime WITTE will develop much more than the power at which it is rated. How easy it would be for me, like others are doing, to quote odd sizes to increase the ratings of Lifetime WITTE Engines, raising the 2 H. to 2½ H. P.; the 3 H. to 3½ H. P.; the 4 H. to 4½ H. P. and so on.

I could ask of you a higher price and perhaps you would "feel" you were getting a bigger and better engine than I now offer you.

However, my business has not been built that way.

I sell you engines of standard horsepower at guaranteed ratings.

EASY STARTING IN COLDEST WEATHER!

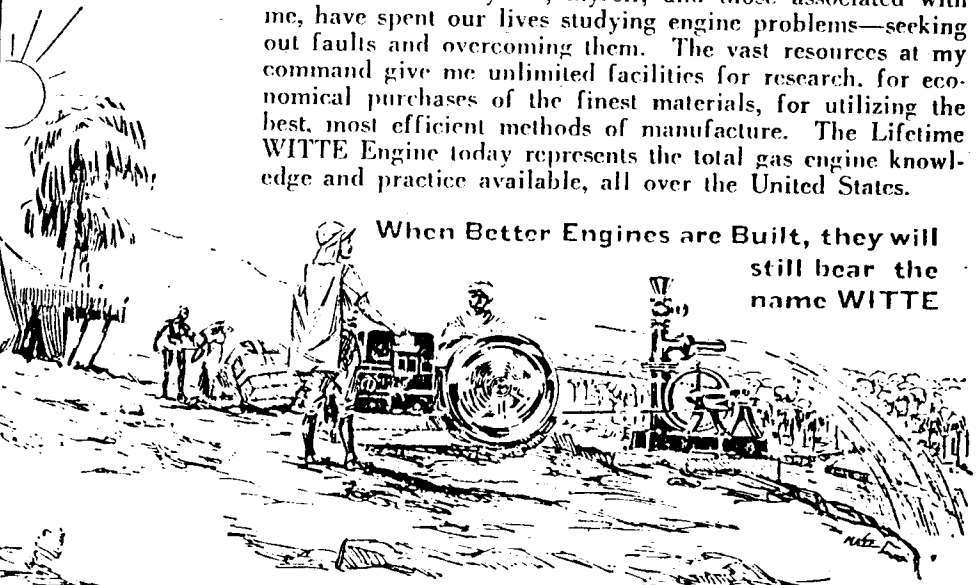
Yes! It's as easy to start your Lifetime WITTE as it is to start your automobile—much easier in many cases. The perfect vaporization of the WITTE all-fuel carburetor, the hot fat spark of the Wico Magneto, the Super-Hot Combustion Chamber all tend to make Lifetime WITTE Engines independent of weather conditions, as proved by the fact that our engines are in successful use in the Tropics as well as the Coldest Sections of America and Northern Europe. The carburetor has a convenient opening through which a small quantity of gasoline may be introduced to provide instant starting when using less combustible fuels, such as kerosene or distillate. Any liquid fuel better than 40° Baume may be used as well as any natural or artificial gases that will not gum the valves.

LOW UPKEEP COST: The Lifetime WITTE Engine will not keep you buying repairs, like cheap, poorly made engines. The Lifetime Guarantee forever protects you against defective parts. When new parts become necessary through natural wear, you may replace them yourself, quickly and easily, without expensive hand fitting, because the WITTE is designed with that thought in mind. And the few parts that will wear after long use are not expensive, thanks to our system of mass production by automatic and labor saving machinery.

Most Economical Engine:

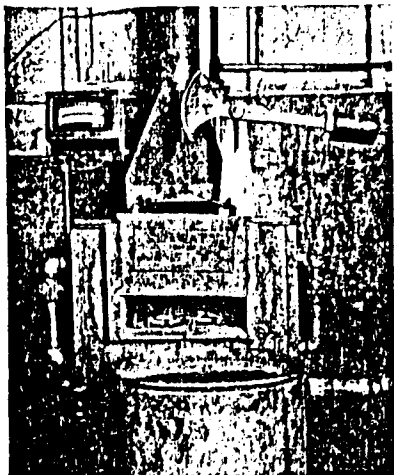
These features of modest initial cost, low fuel consumption, low upkeep and maintenance cost, all combine to make the Lifetime WITTE the most economical engine in the world. If you buy a cheaper engine, you cannot expect WITTE quality, nor can you expect the many WITTE features of superiority—and you will not get them. But if you paid twice the price, you could not buy a better, more efficient, more economical engine, because a better engine than ours is not to be had. We are, and expect to remain, engine builders exclusively. I, myself, and those associated with me, have spent our lives studying engine problems—seeking out faults and overcoming them. The vast resources at my command give me unlimited facilities for research, for economical purchases of the finest materials, for utilizing the best, most efficient methods of manufacture. The Lifetime WITTE Engine today represents the total gas engine knowledge and practice available, all over the United States.

When Better Engines are Built, they will still bear the name WITTE



Long Service Life

Built Into Every Lifetime WITTE Engine



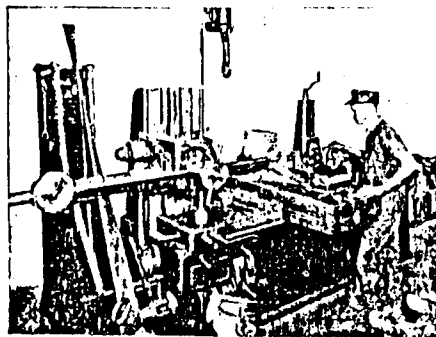
Hardening Furnace with Electric Pyrometer

IT TOOK years for us to learn to build engines such as we now build, because it took years to wear them out and only through the actual test of wear and tear in the daily grind of long hard service could we learn their weak points. As weak points developed we overcame their faults by the use of better methods and materials.

The chemistry of metals is much the same as the chemistry of rubber. By scientific research and

experiment automobile tires now yield a great deal more mileage than they did a few years ago. In metallurgy many new discoveries in the composition and heat treatment of metals has enabled us to make parts that last many years longer.

No other engine manufacturer has the practical experience and daily contact with the problems confronting engine users. Selling engines as we do, direct to the user, in all parts of the world, we receive valuable information never obtained by other manufacturers or distributors. That we are able to meet and master these problems is evidenced by the growth of our business.



Cylinder Boring Machine

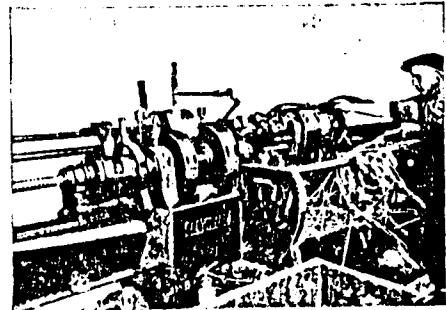
other important parts. Each shipment of steel received is first tested in my laboratory, and the exact hardening process determined to give it greatest strength and endurance. The finished parts go from the machine shop to the furnaces where they receive scientific hardening or heat treatment as prescribed by the metallurgists. The final grinding and finishing operations then bring them to exact size. Nothing is slighted to "cheapen" our engines, everything that will add to long service life is being done, for a hardened joint or surface will last hundreds of times as long as a soft untreated part, such as is used in cheap engines.

Hardening and Heat Treatment of Parts

If you could go through the factory you could not fail to be impressed by what you would see. Take the hardening and heat treatment of parts, such as piston pins, valve ends, rollers, cams and

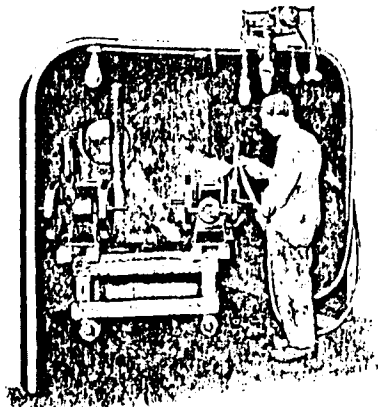
Automatic Precision Machinery

The day of the old rule of thumb workmen is past. In my factory today there is no guesswork, no uncertainty. Thousands and thousands of dollars have been invested wisely in specially built automatic precision machinery—in super-accurate gauges, in dies, jigs and fixtures. Delicate, yet speedy grinding operations, accurate to 1,000th of an inch (1-200th of a hair's breadth) supplant hand filing to finish parts.



One of a Battery of Automatics

Coil Springs Used Throughout



Painting and Finishing Booth

Automatic machines coil them to the exact tension required for the work they are to do. They are then carefully hardened and tempered in oil, the temperature being always under exact electric pyrometer control so that there can be no variation.

The electric pyrometer measures the temperature of the white hot inside of the furnace, for a variation of only 50 degrees, not visible

to the eye, would ruin the whole batch of hardened parts.

Finishing and Painting

Just as the automobile manufacturers completely finish their product before testing, we also paint and completely finish all engines before testing or "limbering up." Every part being made in exact duplicate there is no guesswork here, they fit perfectly. Nothing has been left to chance.

Test Floor

This picture shows a corner of our testing floor, where every engine is tested and regulated. Engines are run long enough to thoroughly "limber them up" before they receive the final O. K. and pass on to the shipping department.



Testing and "Limbering Up"

and pass on to the shipping department.

Engines Built the WITTE Way

Are Imitated But Never Equalled



FORTUNATE combination of location, natural advantages, the skill of long experience, and great financial resources, has placed the Witte Engine Works in an enviable position in the engine world—enabling us to produce engines of a quality and fineness far in excess of their selling price. Even if other factories were able to duplicate our engines, their cost would be so great that the selling price would be prohibitive.

To give you the world's finest stationary engines at our prices requires a factory valued at more than a million dollars—more than that, it requires the "inside" knowledge we have gained in over 60 years of exclusive engine building. The factory covers five acres of land, in one of the most valuable industrial districts of Kansas City. We own that land. We own the buildings. We bought the property when values were low—its cost has long since been absorbed and charged off. Thus, what is ordinarily one of the heaviest overhead items is practically nil with us. Our own gas well, long since paid for, furnishes fuel, light and power *that costs us nothing.*

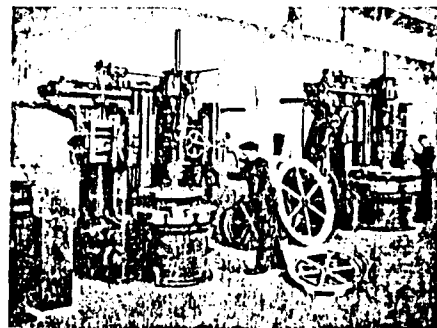
A PEEP INTO THE SHOPS

Here is our foundry, where we cast the cylinders, pistons, hoppers and flywheels of our Life-

The machine in the next illustration turns the outer rim of a WITTE flywheel, faces off both sides of the rim and hub, and bores the crankshaft hole to exact size—all at one time and with one set up. Compare this with the usual shop methods where special machines are not employed, the time of this operation is thus cut more than one half.

While space does not permit showing the many fascinating operations, these few illustrations will serve to give you an idea of how such fine workman-

ship can be put into an engine selling at a price within the reach of all. All machinery in the WITTE factory is of the latest type and built especially to order for this particular class of engine building.



Specially Designed Flywheel Machines

This illustration shows a battery of multiple drill presses, each designed and built to perform certain operations on Lifetime WITTE Engines. These machines are drilling 16 holes at one time, and doing it with an exactness and accuracy impossible under old methods. Machines of this type cost a lot of money, but

The men who build and assemble Lifetime WITTE Engines are trained experts, many of whom have been with us for more than 20 years. Some of these men I trained myself, for I worked right in the shops with the men and took a keen delight in doing it. In the assembly line shown above you see Lifetime WITTE Engines in the making. Each of the men shown is an inspector and specialist, highly skilled in the particular work he performs, and takes personal pride in every job.



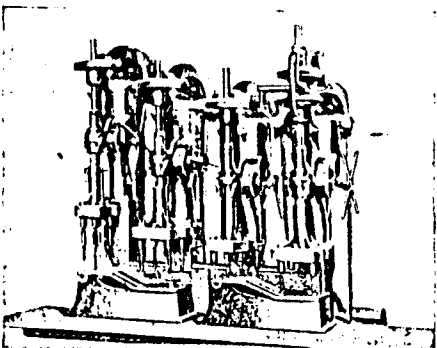
Engines on the Assembly Line



The Cupola Where Semi-Steel Is Mixed and Treated

time WITTE Engines. Not common cast iron or "pot metal," but a special alloy of best gray iron and carbon steel, forming a strong, tough strain-resisting metal. The formula for this alloy required years for us to perfect, and is most carefully guarded. Several variations of it are used in the different parts to give just the right strength and hardness for the work they do. Semi-steel construction provides for utmost strength and long life, combined with a reasonable weight that makes an engine convenient and easy to handle. It stands the wear and tear, the contraction and expansion of heat, sudden changes of temperature and the spring and jar of long continued vibration. Cast iron breaks under sudden pressure—semi-steel will not. Thus weight is reduced, while strength is increased.

SPECIAL LABOR SAVING MACHINES



Battery of Multiple Drill Presses

each one has saved many thousands of dollars to our customers on the cost of their engines.

EXPERT WORKMEN

Standardization and Accuracy

the Basis of WITTE Perfection



All Cranks Are Ground and Polished to a Mirror Finish



THROUGH-OUT our shops we maintain close attention to small detail that is comparable to that of a well trained army. All work is reduced to a carefully arranged system.

lost motion is eliminated. From the time the raw selected pig iron comes into our foundry until the finished engine, tested and ready for work, is placed in the car, you will find a systematic method of handling. All material, rough, semi-finished and finished parts are stacked and arranged for most convenient, speedy handling. On the testing floor the same order of precision is followed through to the store-room, warehouse and shipping room. The exactness we employ in handling familiarizes our men in doing each operation in one way—the best.

ACCURACY MAINTAINED FROM START TO FINISH

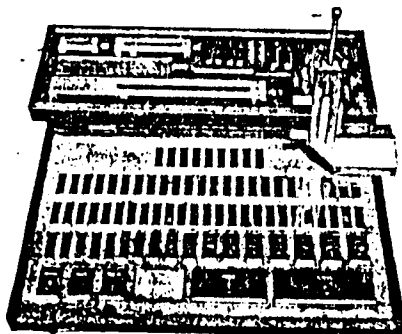
In every detail of manufacture, we use the most accurate method, regardless of the fact that the initial cost is greater because accuracy saves waste. Our patterns are made from aluminum instead of the usual white pine—thus they retain their shape and dimensions instead of wearing, warping and splitting off. Perfect uniform castings are the first requirement of a perfect engine. Patterns will be good ten years from now without variation or wear. This permanency of patterns protects the buyer against frequent changes in design and insures perfect interchangeability of parts.

GRINDING REPLACES FILING . . .

Above is shown a special machine grinding a crankshaft to final size and dimensions. The turning and grinding of a crankshaft is one of the most important and delicate operations in engine making—and the precision we obtain is impossible under the obsolete methods still employed in some factories. Grinding has replaced file finishing of turned parts everywhere. Filing the work to obtain a smooth finish is sure to result in an unequal surface and make parts egg-shaped. The modern grinding machine, on the other hand, gives a perfectly true surface, and a fine, smooth finish not obtainable by any other method.

GAUGING OF PARTS

Throughout every step in the manufacture of Lifetime WITTE Engine parts a rigid system of gauging, testing and inspection is maintained. The costly Johansson Gauges, now made by Henry Ford and measuring to one ten-thousandth of an inch, are used in every conceiv-

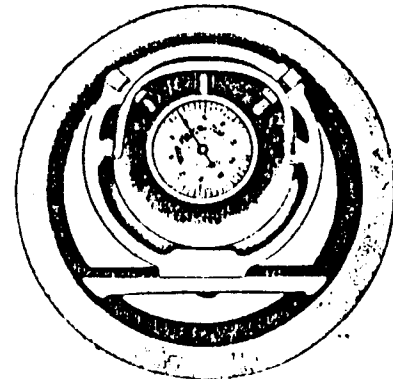


Johansson Gauges

able form in the making of tools, dies and working gauges for measuring finished production. The most minute variation in size is not allowed to pass—for if this were permitted, assembly of engines would be costly and we would not have that interchangeability which assures you, in later years when you buy a new part for your engine, that it will go into place perfectly without hand fitting.

CONTROL IN MANUFACTURE

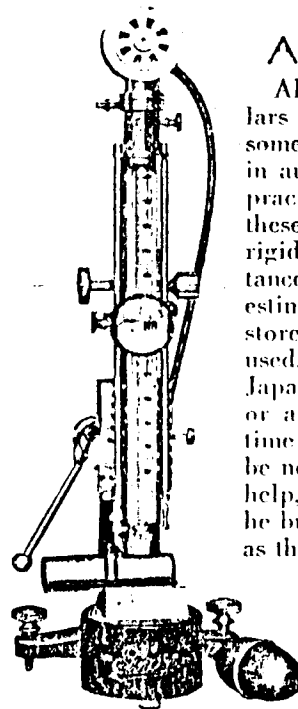
Scleroscopes are used for testing the hardness of hardened steel parts. It is highly important to obtain uniformity in hardening, and no other method can be depended upon. The Cylinder Gauge indicates the slightest variation or irregularity during inspection after boring and honing. Only perfect cylinders can pass the tests of the inspectors.



The Cylinder Gauge

ALL PARTS INSPECTED

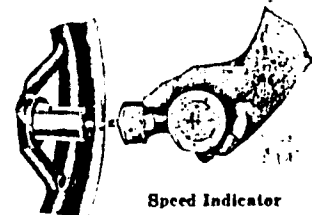
All screws, studs, bolts, nuts, collars and other round parts, including some castings, are turned and finished in automatic machines, so regulated that practically no variation is possible—and these parts are all subjected to the most rigid tests and inspection. The importance of this accuracy cannot be over-estimated. Parts made today may be stored for five or ten years before being used. They may eventually be shipped to Japan, Australia, Siam, Europe, Africa or any of the many places where Lifetime WITTE Engines are sold—they may be needed by some user, far from expert help, who is rendered helpless if the parts he buys do not fit his engine as perfectly as the original parts did. As evidence of the successful application of our manufacturing principles, we are shipping repair parts to all points of the globe—none ever returned because of imperfect fit, but we receive annually hundreds of letters praising us



The Scleroscope

for standardization and accuracy.

Speed regulators are used throughout the plant for obtaining the correct running speed of engines and machinery; they are also used continuously for obtaining the correct cutting speed for the various tools, for there are over fifty different metals used in the construction of Lifetime WITTE Engines.

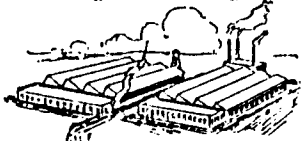


Speed Indicator

WHICH WAY DO YOU WANT TO BUY?

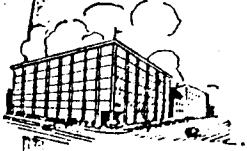
Engines may be bought three ways---
 The Dealer Way---The Mail-Order House Way and the Direct WITTE Way.
 These illustrations show how you save money by taking the shortest route.

~~THE DEALER WAY~~



FACTORY

A manufacturer must have a fair profit whether he sells to a jobber, a wholesaler or a dealer. But one profit is all he gets no matter who he sells to.



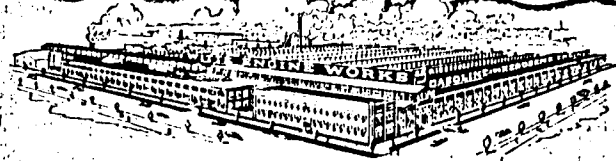
J O B B E R

The jobber, too, must make a profit on the goods he buys from the manufacturer, in order to pay his operating expenses, salesmen, advertising and other items, for the jobber is in business to MAKE MONEY.



D E A L E R

The dealer buys from the jobber and when you buy from him you will find that he has added in HIS profit; yet none of these "extra" profits add anything but expense to your engine.



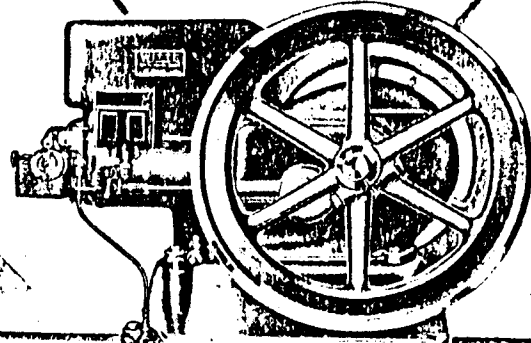
THE DIRECT WITTE WAY

My only "salesman" is a letter—a postage stamp brings him to you. He works without salary—doesn't eat nor sleep—has no hotel bills. He doesn't buy cigars for purchasing agents—has no expense account; he is the cheapest salesman on earth and yet the best, for instead of selling your engine to some dealer, jobber or mail-order house to be resold to you at several profits, he sells it direct-to-you at cost, plus only

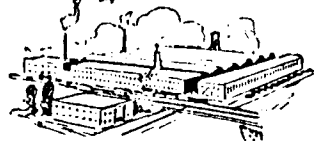
ONE SMALL PROFIT

Just 6% more than it costs me—that's what you pay for your Lifetime WITTE Engine; and there is nobody making extravagant claims—"rushing" you or trying to talk you into buying un-til you are ready.

EVERY WITTE MUST MAKE GOOD OR I WILL

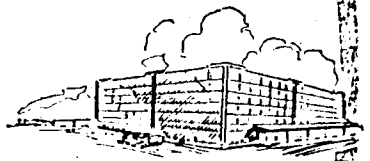


~~THE MAIL ORDER HOUSE WAY~~



FACTORY

The manufacturer who sells to a mail-order house is handicapped right at the start by having to build his engine to sell at a price—and yet he must make a profit SOME WAY and does in order to run his factory.



WAREHOUSE

The warehouse is used by the mail-order house to store engines bought in large quantities. This "dead storage" and double handling cost, runs up and is included in the price paid to a mail-order house.



MAILORDER HOUSE

When you buy from a mail-order house you pay: (1) manufacturer's cost; (2) manufacturer's profit; (3) storage cost; (4) mail-order house profit. And these "extra" profits don't make the engine run better.

The WITTE "salesman" passes up the fellow who have their hands out for a cut of your money--HE comes straight from me to you with a square deal and an honest value. Remember, when you buy from my factory only 2 hands enter the transaction, yours and mine.

You Never Replace a Lifetime WITTE

Each Engine Built for a Lifetime of Service

AFTER reading the preceding pages of this catalog and making a study of the Lifetime WITTE Engines and Combinations, their wonderful new improvements and what these improvements accomplish, you cannot fail to understand why we sell more engines than all similar manufacturers put together. Then to that add the system employed in every part of their construction, and you will readily see that there is more than unusual merit back of the success of Lifetime WITTE Engines and more value for the money.

PROFIT FROM POWER Today more than ever before we are all turning to "power" as the answer to "more profit." Look around your place and you will find many jobs now being performed by hand that a Lifetime WITTE will not only save you a lot of hard work but save you money as well.

For over 60 years we have been serving the power needs of people in every part of the world. Maybe we can help you. Remember, WITTE Power is Economical Power.

ONLY QUALITY COUNTS When anyone tries to tell you there is something "just as good" it's time to look out. Imitation is the sincerest form of flattery. Manufacturers for years have been watching the WITTE line, and after an improvement has been incorporated in the WITTE Engine for some time, they also adopt it. They may adopt some of our ideas but QUALITY can't be copied. Remember, all Lifetime WITTE Engines are highest grade. We do not build two kinds—there is only one quality and that is the best that can be built. To insure the years of service you have a right to expect, be sure your new engine is a Lifetime WITTE.

EASY TO OWN WITTE ENGINES If your present circumstances make it necessary for you to buy on easy payments I will be glad to extend this privilege to any reliable person. It will be a pleasure for me to help you if you will frankly state your case and tell me how I can assist you to get an outfit that will earn you money, save time and labor, increase your comfort and leisure and bring you health and happiness.

HOW TO SELECT THE PROPER SIZE ENGINE

When selecting an engine first consider the various jobs you wish to do with it, for except in special cases it may be undesirable to purchase two engines. Therefore group all your work so one engine will do for a number of jobs, then order an engine large enough for the largest job. The Lifetime WITTE Variable Speed Regulator will enable you to reduce the speed and power to economically operate the smaller machine as well. Of course this must be done in reason.

A 6 H. P. for 2 to 6 H. P. work. A 12, perhaps, for 6 to 12 H. P. work and so on. On the other hand there are

YOU CAN SAVE \$10 TO \$200. An engine is not a luxury—to be used a few days and cast aside; neither should it be considered an experiment. When you buy a Lifetime WITTE Engine you are buying it because it is a labor-saving device—because it will help you turn out more work at more profit. In fact, you start saving when you order your Lifetime WITTE, for our "Direct From Factory" plan saves you \$10 to \$200 on engines of equal quality and size.

SERVICE DEPARTMENT When you buy an engine it is results you are after, and we see that you get the results that you have a right to expect by maintaining a service department for our customers. If there is anything you want to know about your engine, just write and we will be glad to help you. This department is always at your command to look after your future requirements.

Prompt delivery on repairs and new spare parts. Simply write or wire for the part needed, giving engine number. Part will be sent at once. Direct from factory prices. Remember, any defective part is replaced FREE at the factory for life of the engine.

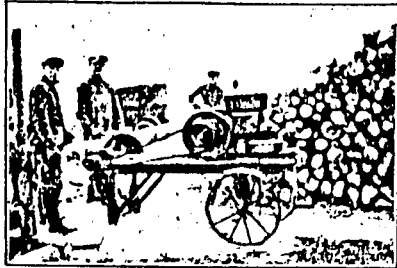
ENGINEERING SERVICE Perhaps you have some special power problem to solve. To help you, I offer you the complete assistance of my staff of engineers without cost or obligation. Just write and give me full details and we will advise you promptly and in such a manner that you can understand it. If necessary we will make a sketch of your particular power job, showing in detail everything you wish to know, and our recommendations.

many places where it would be far more profitable to use two engines. For instance, it is seldom necessary to use more than 1¼ to 3 H. P. for pumping water, except for irrigation, yet you may require 8 to 12 H. P. for a feed grinder or other heavy work. In this case it is more economical to use two engines. Every engine should be purchased about one-fourth larger than the greatest load, as this will enable you to overcome friction losses and get maximum results. It is a proved fact that the man who buys an engine large enough has far less trouble than one who purchases one too small.

Known and Used the World Over

Read What Others Say They Earn

FROM all points of the United States—from the Yukon to the Amazon—from Siberia to the heart of Africa—from every country on the face of the civilized world, comes evidence of the superiority of Lifetime WITTE Engines! They propel boats on far away Alaskan rivers, they gin cotton in Alabama, fell trees in the north woods, supply life-giving irrigation in arid regions, saw timber in Germany, drill oil wells in Mexico, do farm work in Bulgaria, pump water in Cuba—wherever there is work to be done, there you will find Lifetime WITTE Engines on the job, and giving the kind of satisfaction that makes users want to "tell the world" about it. These are but a few of the thousands of such enthusiastic appreciations of WITTE quality and performance. What my engines are doing for others, they will do for you.



CLEARs \$15.00 PER DAY

"It works as good as ever—I cut from 15 to 20 cords a day. I cleared about \$45.00 a day. Think that's doing good work. I have also cleared my land and got close to around \$200.00. It does not take much to run the outfit. If anyone wants to know about my rig, tell them to write me."—PAUL GARNER, Rt. 1, Weathersby, Miss.



DIDN'T FIND ONE TO STALL IT YET

"I put my WITTE 5 H. P. engine to work on all kinds of jobs and didn't find one to stall it yet. I put it on a 13" feed cutter with blower and if the fodder is good and dry I can put in a half a bundle at a time and the engine runs right along. I also run a 8" Letz Feed Grinder with the hopper full of mixed grain. I open the grinder wide and set the burrs tight till blue smoke comes out—that is more than I could do with my old 6 H. P."—ERNEST MADISON, R. 4, Box 50, Oak Harbor, Ohio.



BEST OF SIX ENGINES

"I have had six engines in the last two years and at last I have found the one engine. I handle a twenty-inch saw, also run my washing machine with your engine. I forgot the water in the hopper last winter, and it froze solid—it chipped the paint but no damage resulted to the engine. I'd hate to have this happen to a cast iron engine."—R. M. HOLM, Roseau, Minn.

LIFETIME WITTE ENGINES POWER STAKE DRIVERS FOR SELLS FLOTO CIRCS

"I am writing this letter to highly commend your Witte Engines. I have had in operation on the Sells Floto Circus this season two of your engines, one 6 H. P. and one 8 H. P. These engines are used on our stake drivers, where we must have an engine of the most reliability; as these are the most important machines on our show. I have chosen the WITTE Engine above any that I have ever used. I have operated all other makes of engines suitable for this work and your WITTE Engine has positively given the best service of any engine that I have ever used."—WM. H. CURTIS, General Superintendent.



Curtis Multiple Stake Driver Powered with a 8 H. P. WITTE Engine.

Invented by Wm. H. Curtis, Supt. Sells Floto Circus

EXCELLENT WELL DRILL POWER

"I have tried my engine out in every way and found it satisfactory. My well drill is now down 300 ft. and my engine handles it fine. I don't know how much further it will go down but I am satisfied it will drive 400 or 500 ft. It sure does its duty."—A. F. BOETTCHER, Box 425, Fonda, Iowa.

SAVED GAS ON IRRIGATION

"Received engine in good shape, got it to work Friday after you shipped it. It sure is a fine little engine and I don't know what I would have done without it. We sure are proud of it. We saved about 37 gallons of gas on our irrigation this time, and she pulls one of the 9-inch Stanfield & McNight Pumps that pumps 350 gallons a minute, so I am satisfied with it."—MRS. B. SPERRY, Vernalis, Calif.

\$1,065 WORTH OF SAWING

"I have done \$1,065.00 worth of sawing besides my own, in the eight years I've run my WITTE Portable Saw Rig."—R. J. PETERSON, R. 2, Junction City, Kan.

USED HIS WITTE 8 YEARS WITHOUT A REPAIR

"I have one of your engines, 5 H. P. No. 8058, and I may say that this has been one of the best little engines I know of. I used it for 6 or 8 years steady and never bought any repairs yet."—ARNOLD LARSON, Borden, Sussk., Canada.

GINs COTTON

"There is not a better engine than yours, built by any designer, regardless of the price or make. I took my engine down to my gin house and ginned my cotton nice as my old steam engine. Ran the gin and press at the same time, pressing some bales weighing 630 lbs., and ginning at the same time. Everybody is amazed at a small engine doing such work."—HIRSCH EVANS, Seale, Ala.

MADE 25 DOLLARS FIRST DAY

"I am more than pleased with my engine. It gives good results and is just right for the work I have. The first day I had it on the road I made \$25. So you see I am well pleased. A WITTE for me every time."—HENRY KING, R. 1, Box 134, Millburg, Mass.



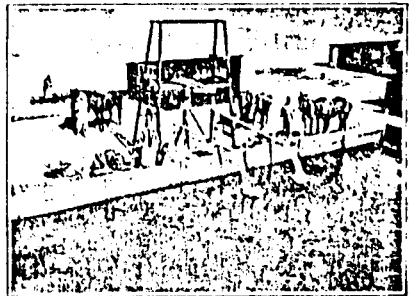
ON THE YUKON

"My engine is installed in a 35-ft. stern wheeler, driving this heavy boat against a 5-7 mile current, the average rate being six miles-per hour, going down stream at the rate of 12 miles per hour. As to the fuel question: I want to tell you what we did on 2 1/2 cases of fuel, mostly kerosene. From Dawson up to Ogilvie and back, 100 miles. From Dawson to Ten-Mile Creek and back, 25 miles, making a total of 305 miles, loaded to the gunwale one way, and still some fuel left."—D. M. McRAE, Dawson, Yukon, Alaska.



A MONEY-MAKER

"I am writing you to let you know how I am getting along with my engine and the kind of work I am doing. I am well satisfied—I have used it for cutting wood only so far. Have paid for it two or three times, and delivered about \$1,800.00 worth of wood and cut lots of wood for my neighbors."—W. D. UPTON, Jonesboro, Ark.

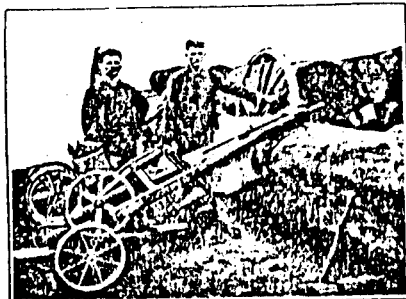


LAKE ON A SAGE BRUSH PLAIN

"I have a pumping plant which I believe will handle 20 acres of land during the summer months. My small wells give me 60 gallons of water per minute and during the daytime we can handle lots of water, which we think will have no trouble to water one acre per day. I have a tank in which to hold my water 28x72 and four feet deep. It takes my little WITTE engine only three hours to add one foot of water in this large tank."—PRICE BROTHERS, Plainview, Texas.

WITTE Quality and Performance

Evidence From All Corners of the World



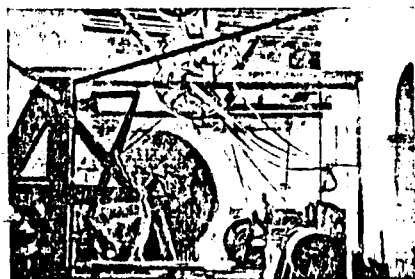
FROM GERMANY

"We have the pleasure of handing you herewith a photograph which was sent me by Gebr. Diekmann, of Kelkheim T. (Germany), showing one of your regular saw log outfits sawing a big hardwood tree. This outfit has been in use for several years and is giving them excellent results. The owners congratulate the WITTE factory for putting out such a high class product."—FRITZ HAMM, Hanau a/M. Germany.



FROM POOCHAKKAPATTY, BRITISH INDIA

"We believe you will be interested in the facts in connection with the 3 H. P. WITTE Stationary Engine we are using on our farms at Poochakkapatty for irrigation purposes. The engine works a 2-inch Austin Centrifugal Pump with ease, though the suction lift is 20 feet and discharge lift 10 feet, the output being 5,000 imperial gallons per hour. Starts easy in petrol (gasoline) and then runs well on even inferior kerosene. It is so simple that even an unskilled servant can attend to all details."—A. M. MAHALINGA, NADAR & CO., Sankaralinga, Nadar, Managing Partner.



FROM MEXICO

"The WITTE Engines have worked perfectly since they have been installed and I am completely satisfied with them. Their consumption of fuel is very economical and their operation is extremely easy, so easy that any inexperienced laborer can run them."—PABLO PINEDA JUNCAL, Ixcatlan, dist. de Tuxtlapec, Oax, Mexico.

FROM ENGLAND

"The WITTE 5 H. P. Engine has given us satisfactory service. It has been hard worked for 8 hours per day, and we have had no trouble whatever. The fuel consumption is very low—9 cents a gallon."—KNOWLES TROTMAN & CO., Wood Green, London, England.

MERRY-GO-ROUND IN THE PHILIPPINES POWERED WITH A WITTE ENGINE

Our Asiatic traveler located this merry-go-round on one of the Philippine Islands. It is powered by a 12 H. P. WITTE Engine over 20 years old. The most remarkable point about it is that according to our records not one cent has been spent by the owner for repairs. The engine is in good shape and has lots of "pep." The merry-go-round is a source of much enjoyment to the natives.



Merry-Go-Round at Davio, Mindanao, P. I.
Powered With a 12 H. P. WITTE Engine.

BRIEF MESSAGES FROM OUR FRIENDS EVIDENCE OF COMPLETE SATISFACTION

FROM AUSTRALIA

"The WITTE is all that you claim for it, and the Engines are giving wonderfully good service. One of our friends expressed himself as amazed at the pulling power of the 5 H. P. Engine."—A. V. DODWELL, Brisbane, Australia.

FROM DOMINICAN REPUBLIC

"The results given by the WITTE Engine are superior to what I have expected."—JUAN SANGIOVANNI, Puerto Plata, Dominican Republic.

FROM TURKEY

"We have nothing to complain of as regards your service. We have always been entirely satisfied. We do not ask better."—MESSRS. MIHRAN GUESSARIAN FILS, Constantinople.

FROM WEST AUSTRALIA

"I am very satisfied with the WITTE Engines, which compares more than favorably with any other American Engine on this market as regards price, workmanship and operation."—GRAHAM DOONAN, Perth, W. A.

FROM MEXICO

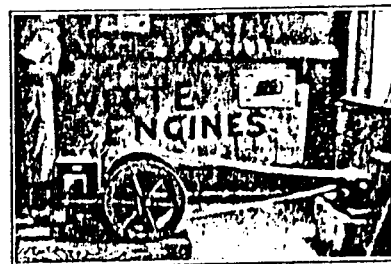
"The 7 and 10 H. P. WITTE Engines which I bought from you are working satisfactorily. They are economical in their use of fuel, durable and easy to operate."—SIMON GUTIERREZ, Arringa, Chiapas, Mexico.

FROM SYRIA

"Users are very satisfied and particularly so on account of the simplicity of the engine, on account of the easy starting facilities."—DAHER CHAOUK & FILS, Beyrouth, Syria.

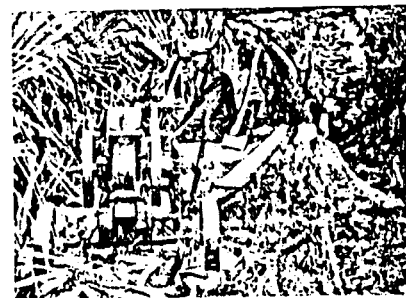
FROM NEW ZEALAND

"I have found the WITTE to be an efficient and reliable engine for milking machines and orchard sprayers. They start up readily and the governing device is very simple and effective."—B. F. GRANWELL, Auckland.



FROM JAMAICA, B. W. I.

"I owned the first WITTE Engine that was brought to Jamaica over ten years ago. At the time I ran a small bakery in a country town. My business has since grown to very large proportions and is now located in the Capital of the Parish, and it's pleasing to see the Power behind the Dough Roller today is the original Engine I started my business with over ten years ago."—W. E. WHITE, Jamaica, B. W. I.



FROM HONDURAS

"The Arm Swing Log Saws arrived here on 15th Inst., and I had the pleasure of setting up one of the outfits and giving it a trial, sawing a 3 foot mahogany log, which it cut in record time a proved satisfactory."—WALTER G. BURN, Spanish Lookout.

FROM COSTA RICO

"We are entirely satisfied with the solid construction, ease in operating and perfect finish. The consumption of fuel is very low, with or without a load, due to the throttling governor."—BORBON, San Jose, Costa Rico.



FROM GREECE

"I am very satisfied with your engine especially with the attention which you have always given to our co-operation."—GEORGES DROSSOPOULOS, Athens, Greece.

FROM CUBA

"Due to the solid construction and balance all the parts of this motor, the work has been persistently efficient; knocks and vibration have been eliminated and the work is silent as well as powerful and steady."—JOSE A. MARTINEZ, Habana.

FROM PUERTO PLATA

"I use this opportunity to tell you that I have tried your motor and with pleasure I must say the results have been beyond my expectations."—JUAN SANGIOVANNI, Puerto Plata, R. D.

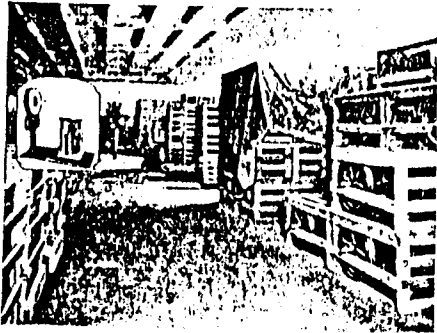
Immediate Shipment from Stock

F. O. B. Kansas City, Mo., or Pittsburgh, Pa.

WE CARRY at all time a stock of engines averaging from 700 to 1500 tested, crated, and ready to go out at an instant's notice. There are, besides, hundreds of other engines coming through the painting department, testing room and on the erecting floor, enabling us to fill immediately any order for one engine or a thousand. If you are in a hurry for your engine, you can send us your order with the full assurance that there will be no delay in shipment.

ORDERS HANDLED RAPIDLY

There are no inside delays after your order reaches us. Our order department is so well organized, and its work so systematized that it requires less than 15 minutes all told to receive, date and enter the order, make the necessary shipping instructions and have the engine into one of the cars standing in our factory ready to start on its way to you.



Here is a Corner of Our Warehouse, Showing Engines Crated and Ready for Shipping.

UNEQUALLED RAILROAD FACILITIES. Kansas City is ideally located from the standpoint of the purchaser as well as from the standpoint of the builder. There are 17 lines radiating in all directions, with an average of 500 trains leaving daily. When we have done our part and loaded your engine on the car and consigned it to the railroad, the rest depends on the transportation. But shipments from a great railroad center like Kansas City move rapidly—in almost all cases the engine is actually on the way to the purchaser the same day the order is received.

Another thing is the question of delivery of materials and supplies. In Kansas City we can get any kind of material—anything we want in the supply line, on short notice. Many of the factories in the smaller towns are obliged to come to Kansas City or go to other large cities for their supplies; consequently engine building in a small place is impossible for lack of trained men, and lack of shipping service when they need material supplies or equipment. Whether you have need for a small engine or a large one, liquid fuel or gas, we are always ready to supply you promptly—no long delays or waiting.

DIRECT DEALING ASSURES SATISFACTION

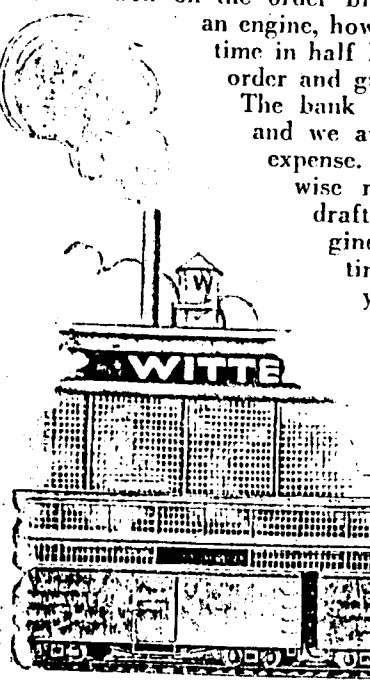
By ordering your engine direct from us you not only save time, but you are assured of getting exactly what you want. Dealers and mail order firms are not engine builders. Their understanding of an engine buyer's requirement is generally superficial; often quite a lot of correspondence must pass before they know just what to sell you, and then there is still chance for a costly mistake to be made. When a manufacturer offers you cream separators, manure spreaders, wire fence and other kinds of supplies, you know at once that he has other matters to attend to aside from building engines. He has many other things to occupy his mind, and he cannot possibly concentrate his efforts. That being the case, he cannot give you exclusive knowledge and experience in engine building, even if he knows anything about them; and he cannot give you exclusive service in engine construction, or the individual expert experience, when you want information, assistance or repairs in the future. More than sixty years of exclusive engine building have taught us the needs of our customers. Once we understand the kind of work to be done, we can recommend the right engine or combination with assurance that we are serving you to the best possible advantage.

HAVE YOUR BANKER WIRE ORDER

The acceptance of an order for an engine on easy payments naturally involves a few days' delay in checking up credit references, especially if you don't give the necessary information on the order blank. When paying cash for an engine, however, you can cut the delivery time in half by having your bank wire the order and guarantee payment on delivery. The bank will gladly do this for you, and we authorize them to wire at our expense. Thus you save the time otherwise required for your order and draft to reach us by mail—the engine reaches you then about the time we would be receiving your order.

View outside our shipping docks, showing a train of cars being loaded with Lifetime WITTE Engines for shipment to widely distant points.

BUY YOUR ENGINE FROM A MASTER ENGINE BUILDER



Safe Delivery Guaranteed

To Your Freight Station

WE GUARANTEE safe and prompt delivery of your Lifetime WITTE Engine to your nearest freight or express station. Any failure on the part of the railroad—any loss or damage in transit of shipment to your station will be made good promptly by us upon receipt of freight bill with damage properly noted thereon. Claims against the railroads are handled directly by us through our traffic department.

**Freight Rates Low
In Proportion To
Savings**

The small amount of freight you pay on your Lifetime WITTE Engine is trivial as compared to the amount we save you—not only on the initial cost of your engine, but on its operating cost as well. Customers frequently write us that they are surprised at the quick time made by our engine shipments—valuable testimony to the fast train service out of Kansas City as well as to the speed employed in our shipping department because of our standardization and large crated stocks on hand.

HOW TO ESTIMATE FREIGHT CHARGES

The table of freight charges shown below has been made so simple that you can quickly figure the cost of transportation on your order. In the table we show the estimated freight cost per 100 pounds for shipping Lifetime WITTE Engines and combinations, 150, 300, 500, 700, 900, 1100, 1300 and 1500 miles. By using the map and table you can figure the approximate freight charge on your order. Shipping weights are indicated in descriptions in catalog.

When Shipped From Kansas City, Mo.

For Distances of	150 Miles	300 Miles	500 Miles	700 Miles	900 Miles	1100 Miles	1300 Miles	1500 Miles
Witte Engines and Combinations	\$0.80	\$0.98	\$1.80	\$2.10	\$2.40	\$2.60	\$3.32	\$3.80

When Shipped From Pittsburgh, Pa.

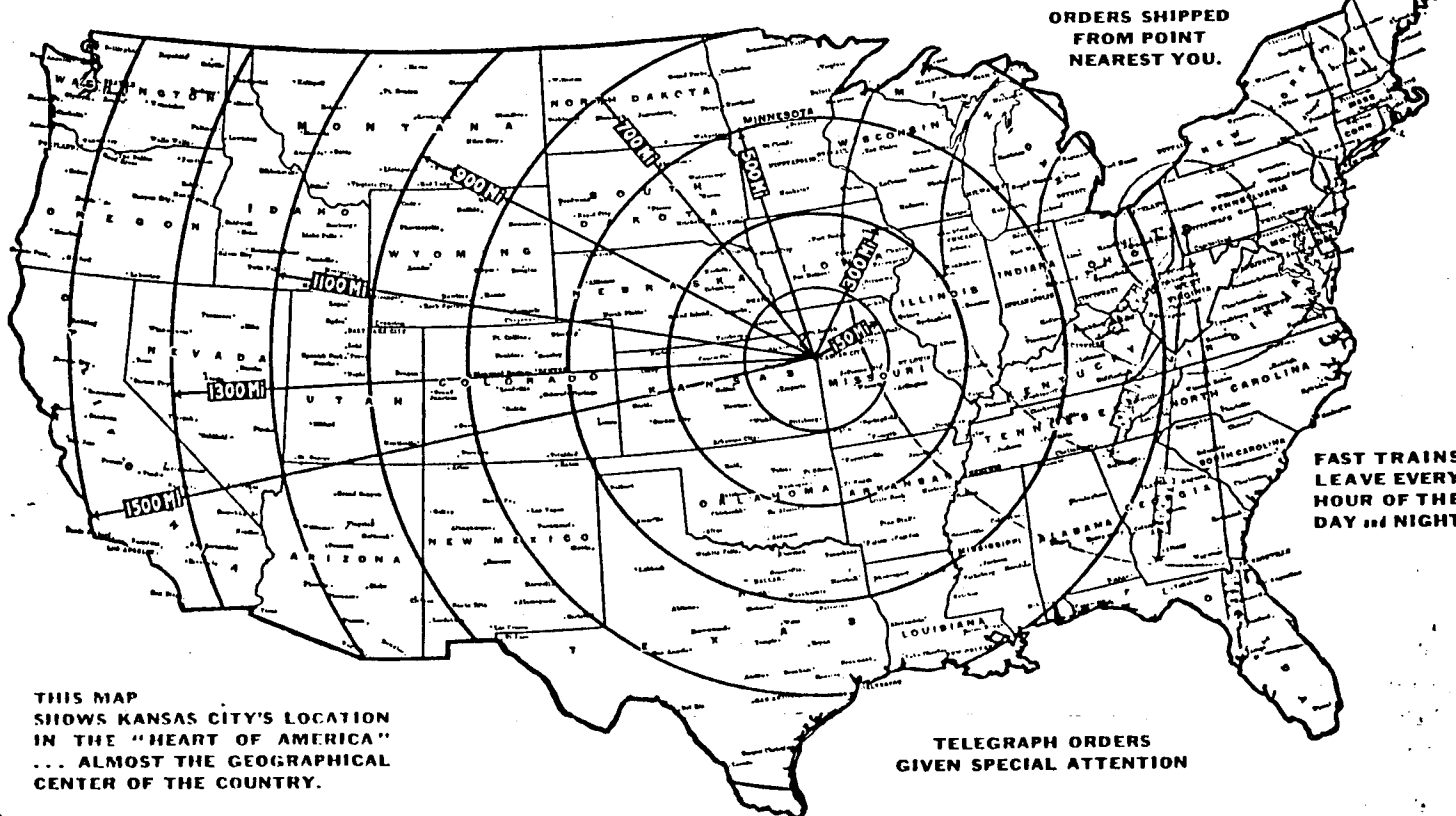
For Distances of	150 Miles	300 Miles	500 Miles	700 Miles	900 Miles
Witte Engines and Combinations	\$0.55	\$0.69	\$0.80	\$0.92	\$1.35

EXAMPLE

If according to the map, you live about 150 miles from Kansas City, Mo., and you order a 3 H. P. Type "F" engine that weighs 285 pounds, by turning to the table you find that the charge per 100 pounds is 80c. Multiply 2.85 by 80c and you get \$2.28, which is the approximate freight charge. Use same method in estimating charges from Pittsburgh, Pa.

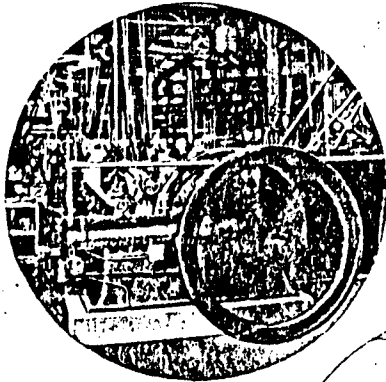
**No One Can Get
Lower Freight
Rates For You . .**

Railroads do not favor anyone. Rates are regulated by the Interstate Commission and are the same to all. No dealer, no salesman, can truthfully promise to get you a lower rate. We guarantee you the lowest rate applying at the time of shipment, and the experience of our traffic department enables them to send your order to reach you in the quickest time and by the shortest route. However, to play safe, don't wait until the last minute to order your engine, order it early enough so you will have time to locate it to the best possible advantage.



Now--Tell Us Your Story

So We May Help You With Your Power Problems



**SPECIAL
DESCRIPTIVE
LITERATURE
MAILED ON
REQUEST**

IN THIS general catalog I have told you the story of Lifetime WITTE Engines. I have tried to show you, in a general way, the different kinds of work that can be done in a highly satisfactory manner with WITTE Engines and their various combinations. I have shown you what others are doing in all parts of the world. But—I don't know your particular problem. So, until I hear from you again, I will have to confine myself to generalities. I want you to write me, in detail, about the work you want to do, so that I can advise you intelligently.

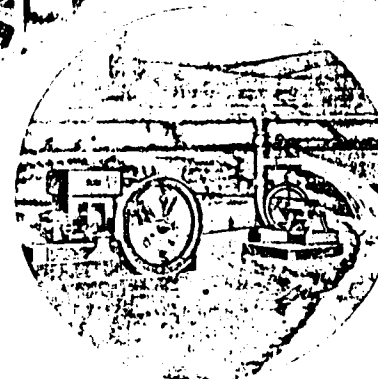
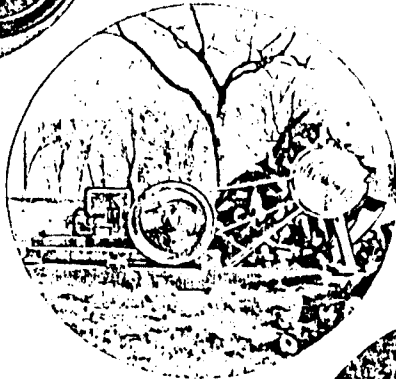
THERE IS A LIFETIME WITTE ENGINE ... FOR EVERY PURPOSE ...

When you write, give me full details. I'm not a good guesser. If sawing is your problem, state whether you wish to fell timber, or saw up logs already cut, or both. State the average size of your timber, and how much of it you have. If you want to get into woodcutting as a business or just for your own use.

If you want to pump water, send for my pump drawings and pictures. In other words, whatever the job give me full details, and I'll be happy to help you select the right outfit for the job.

HAVE YOU A SPECIAL PROBLEM

These illustrations suggest a few of the many uses for Lifetime WITTE Engines — maybe your problem is entirely different—all right, just tell me what it is. See the Stake Driver on page 32, and the Merry-Go-Round on page 33.



In a general catalog such as this it is impossible to give as much detail on different equipment as the purchaser would like to have. On the descriptive pages you will note reference to various bulletins, circulars, etc., which give more information on the various Lifetime WITTE Engines and their combinations. If you want more information, I urge you to send for the bulletins applying to the equipment in which you are interested—they will answer in advance many of the questions you would want to ask, and aid you greatly in making an intelligent selection.

YOUR PROBLEMS RECEIVE MY PERSONAL ATTENTION

I'm busy—yes. I've never known what it was to be otherwise, and I hope I never shall. But I'm never too busy to consider the needs of my customers—for that is my job. I honestly feel that my years of experience are of great value to you, and I am truly glad to give my personal attention to your engine problems. Your letters are most welcome. I am interested in them. Write to me freely.

Our Financial Responsibility

Know the Firm with whom you are doing business,
you take no chances with WITTE

BUYING an engine is not an everyday occurrence, like going to the store for a loaf of bread, a sack of sugar or other things that will soon be used up and replaced. You buy an engine as a permanent investment and expect it to give you many years of trouble free service. The company you buy from must be reliable and fully capable of taking care of their obligations and agreements.

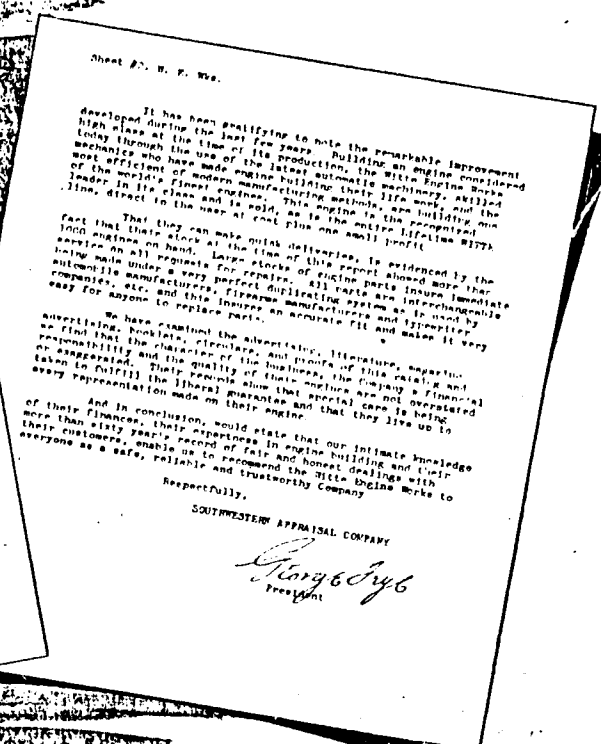
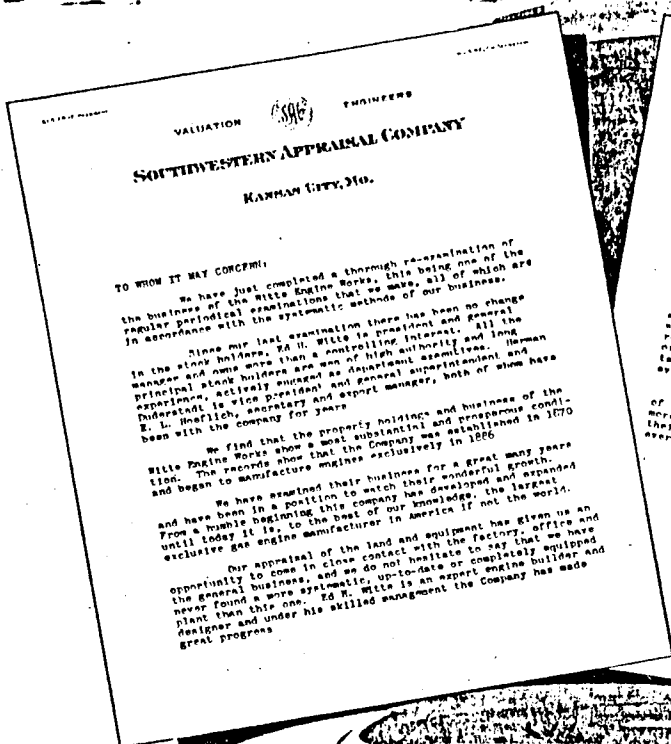
The Witte Engine Works after more than 60 years in the same business is the acknowledged leader in their field. They are the oldest and largest exclusive engine manufacturer in America, if not the World. A growth only possible by selling reliable, dependable engines and giving dollar for dollar value.

The value of a guarantee is worth no more than the ability or the intention of the manufacturer making it, to *stay in business* during the years to come, when continued hard wear puts his engine to the hardest test—that of durability.

Every Lifetime WITTE Engine user has the utmost assurance that he will always be able to get any needed repairs, and to have all replacements made as fully guaranteed to him.

It is a risk to buy an engine that is to last many years from a concern whose past record fails to show a thorough likelihood of its being in business permanently.

Do not risk your future prosperity with "unknowns"

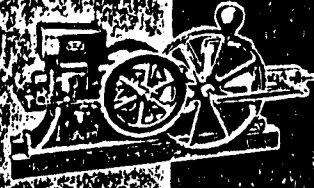


The above statement shows the result of a thorough examination made by the Southwestern Appraisal Company, of Kansas City, Mo., a firm of high reputation for making reliable reports.

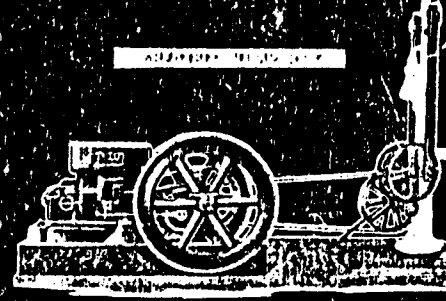
Don't Fail to Visit Our Factory

When in Kansas City, Mo., come and see our factory. We want to welcome you, our doors are always open to you. See for yourself how Lifetime WITTE Engines are built and tested—from pig iron to packing case. Make our big plant your headquarters, it's one of the show places of Kansas City. Come any time, you'll find a hearty welcome. It will be interesting and educational, you will profit by your trip.

Ed. H. Witte
President.



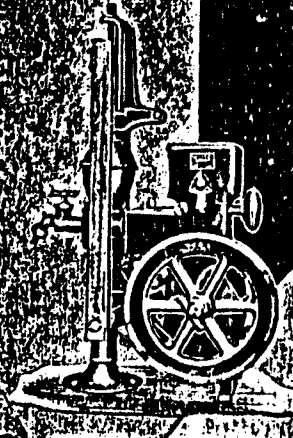
PORTABLE ENGINES



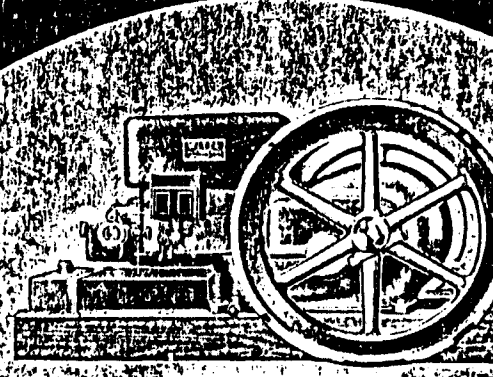
PORTABLE ENGINES



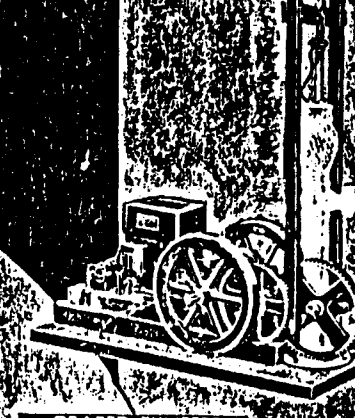
PORTABLE ENGINES



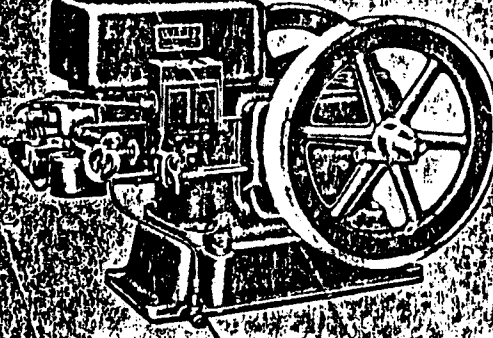
VERTICAL PUMPS



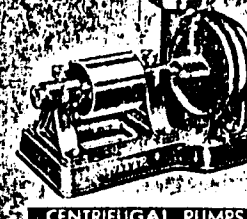
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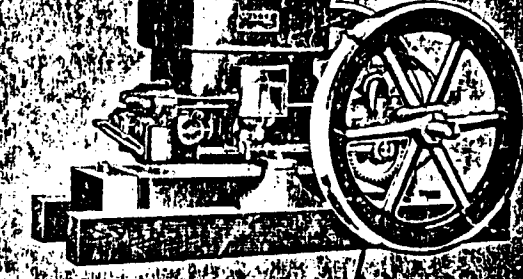
GEARED PUMPS



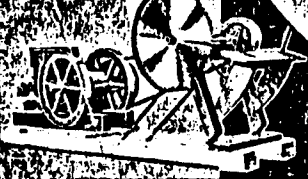
TYPE "K" ON BASE



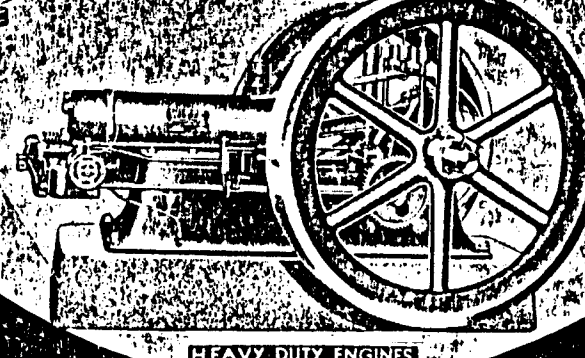
CENTRIFUGAL PUMPS



TYPE "E" ON SKIDS



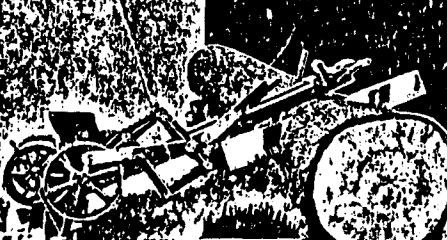
PORTABLE ENGINES



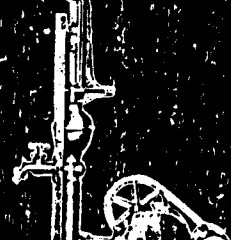
HEAVY DUTY ENGINES



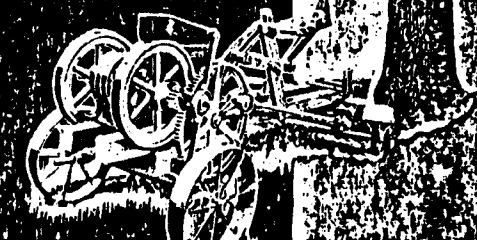
PORTABLE ENGINES



LOG SAWS



ELECTRIC PUMP JACKS



TREE SAWS