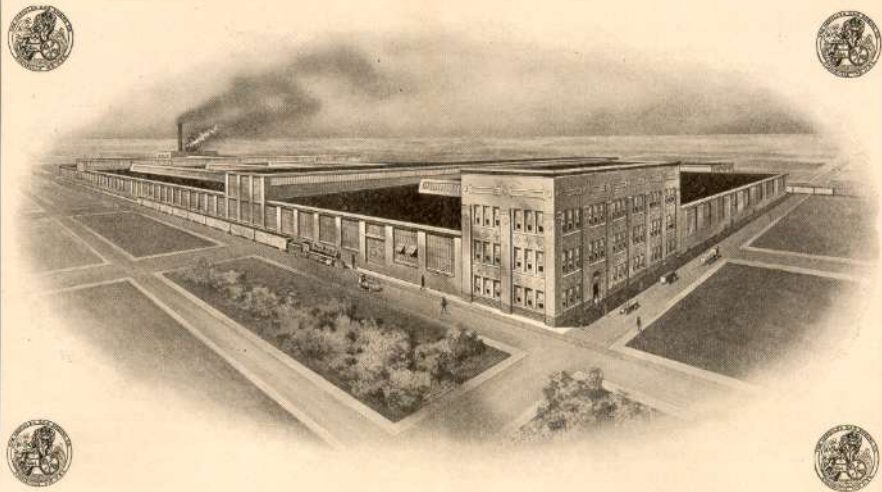


 **HERCULES** Engines Save the Difference 



## The Home of the Hercules

*The Largest and Most Complete Gas  
Engine Plant in the World, 925 Feet  
in Length by 150 Feet in Width.*

*Capacity*

**200 ENGINES PER DAY**

**THE HERCULES GAS ENGINE CO.**

EVANSVILLE, INDIANA, U. S. A.



# HERCULES Engines Save the Difference



**T**HE Hercules throttling governed kerosene engine is not a gasoline engine converted to use kerosene by simply using a few special attachments. It was built with the one idea of producing an engine that would really operate successfully under all conditions on common kerosene and other low grade fuels under full load, one-half load, or no load.

As gasoline cannot be produced without at the same time producing kerosene, the unprecedented demand for gasoline has caused an over-production of kerosene.

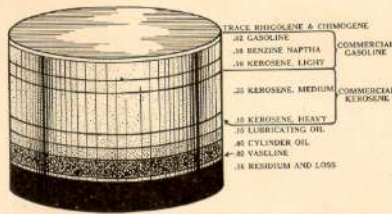
Many experiments have been made for the purpose of determining the possibilities of using low grade fuels. Nearly all of these experiments have shown they can be used under proper conditions, but these conditions call for special designed low grade fuel carburetors and such modifications in the construction of the engine as is necessary to prevent condensation of the fuel before it reaches the combustion chamber. The Hercules Kerosene Engine was especially designed with all these points in mind. The construction of the Hercules cylinder head and carburetor aided by the heated fuel passage makes condensation impossible, thus preventing a waste of fuel and reducing the actual consumption to that of gasoline.

It may be asked, "What is the use of using kerosene? The manufacturers will merely boost the price when a greater demand is created." This, of course, is true to a certain extent, but it is certain also that if both gasoline and kerosene are in use as fuels, the mass of consumers will turn to the cheaper fuel thereby increasing the demand for it and decreasing the demand

for gasoline. This, to a partial degree puts an automatic check on the price. In other words, with both in demand, neither one is likely to reach a prohibitive figure. Kerosene will no longer be considered a bi-product of gasoline, and it will pay to refine all of the available crude.

The Hercules Kerosene Engine has been carefully tested to prove that per H. P. of work accomplished, the cheap oil fuels can be used just as satisfactorily as gasoline and at a big saving in the total cost of fuel. That is why we say, "Hercules Engines Save the Difference."

Following is a graphic illustration of the percentages of various oils in the crude product. From this you will note there is 10% light, 35% medium or commercial, and 10% heavy kerosene. A total of 55% of the crude as compared with 2% gasoline to which is added 10% light kerosene and 10% benzine naphtha and called commercial gasoline.



The average price of gasoline thruout the United States on June 3rd, 1916, was 21 cents per gallon, while the average price of kerosene was 9 cents per gallon, a difference of 12 cents or 133 1/3 percent.

# All We Can Give For The Money



# HERCULES Engines Save the Difference



The United States Bureau of Mines estimated, according to an article which appeared in the Commercial Car Journal published on March 15th, 1916, that the probable amount of gasoline which can be produced from our present oil fields is 892,000,000 barrels; undeveloped fields are estimated to contain 75,000,000 barrels of crude. If 16% be taken as the average amount of gasoline which can be extracted from this oil, this will add 12,000,000 barrels to our total, making 904,000,000 barrels.

The United States Geological Survey estimates that in addition to the above, the State of Colorado alone contains sufficient shale in beds 3 feet or more thick, to produce 20,000,000 barrels of crude oil from which at least 2,000,000 barrels of gasoline may be extracted by ordinary refining processes. The area that has been studied comprises northwestern Colorado, north-

eastern Utah and southwestern Wyoming. The shale found there contains materials which, when heated, may be converted into crude oil, gas and ammonia. Sooner or later this great source of supply will be utilized to supplement the decreasing production from the regular oil fields. When refined by ordinary methods, the shale oil yields an average of about 10% gasoline, 35% kerosene.

The present and calculated future production of kerosene being approximately three times that of gasoline makes it reasonably safe to predict prices accordingly and making kerosene the solution to the fuel problem.

Please note the following table of figures showing the actual saving in the use of kerosene over gasoline—figures based upon the average cost of the two fuels on June 3rd, 1916.

**SAVE THE DIFFERENCE BETWEEN THE COST OF GASOLINE AND KEROSENE**  
It Will Pay For Your Engine

H. P.	Fuel consumed full rated H. P. load 10 hours	Operating cost per day on gasoline	Operating cost per day on kerosene	Net saving per hour by using kerosene	Net saving per day by using kerosene	Net saving in 200 days by using kerosene
3	30 pints	.79	.34	.04½	.45	90.00
5	50 pints	1.31	.56	.07½	.75	150.00
7	70 pints	1.84	.79	.10½	1.05	210.00
9	90 pints	2.36	1.01	.13½	1.35	270.00
12	120 pints	3.15	1.35	.18	1.80	360.00

The above figures are based upon the average cost of gasoline, and the average cost of kerosene throughout the United States on June 1st, 1916.

## Save the Difference

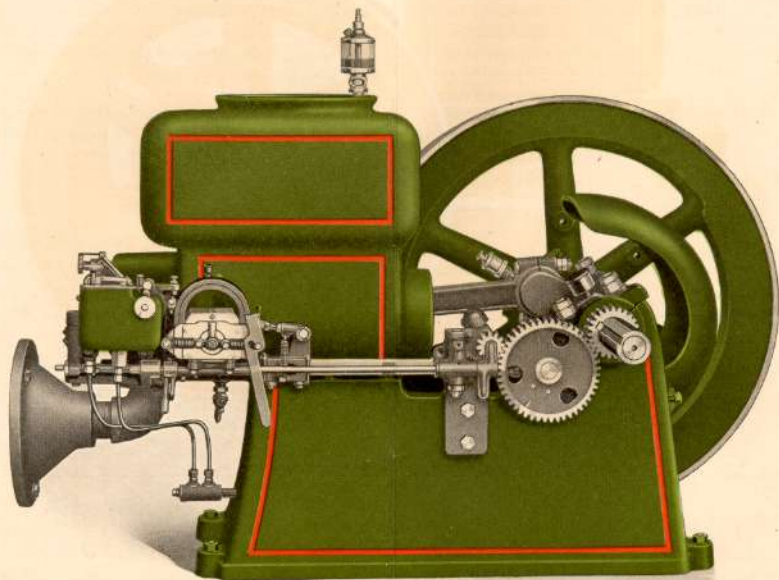
Every Hercules Throttling Governed Kerosene Engine is covered by a five-year bond guarantee that does not offer excuses.

# Not All We Can Get For The Goods





**HERCULES** Engines Save the Difference

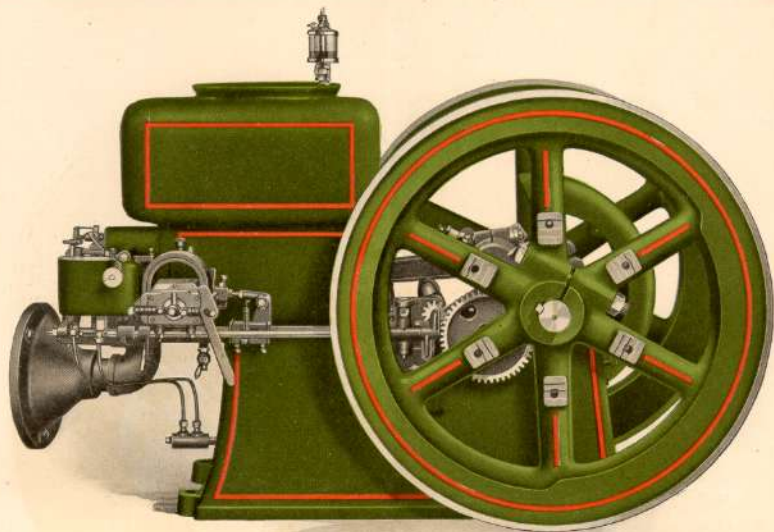


Note Simplicity of Design

**All We Can Give For The Money**



# HERCULES Engines Save the Difference



## 3 H. P. Stationary

### Specifications

Style Number	Horse Power	Speed R. P. M.	Plain Pulley		Fly Wheels		Floor Space Over All			Diameter of Crank Shaft	Shipping Weight
			Diameter	Face	Diameter	Weight	Width	Length	Height		
K3A	3	475	8-inches	4 inches	22 inches	93 lbs.	26 inches	40 inches	22 inches	1 $\frac{3}{8}$ inches	625 lbs.

## 3 H. P. Hand Portable

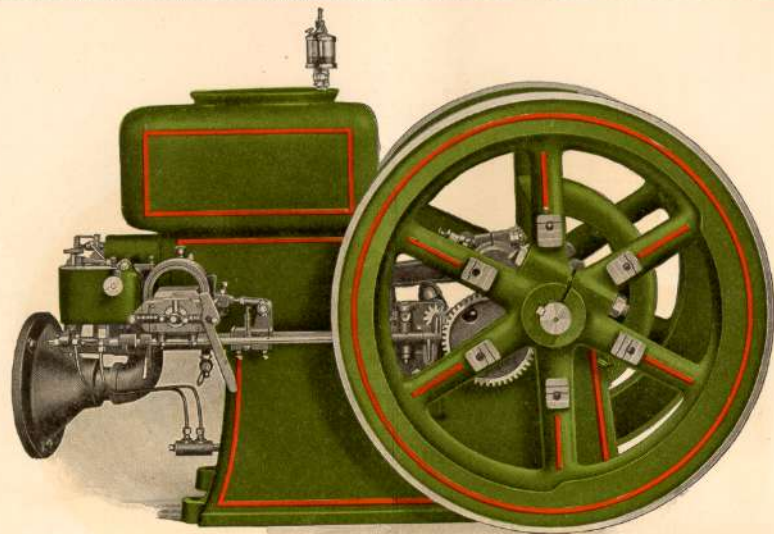
### Specifications

Style Number	Engine Reg. Equip.	Truck Angle Beams	Axles	Width of Tires	Size of Wheels		Shipping Weight
					Front	Rear	
K3H	3 H. P.	52 x 3 inches	1 $\frac{3}{8}$ -inch steel	2 $\frac{1}{2}$ inches	14 inches	20 inches	790 lbs.

# Not All We Can Get For The Goods



# HERCULES Engines Save the Difference



## 5 H. P. Stationary

### Specifications

Style Number	Horse Power	Speed R. P. M.	Plain Pulley		Fly Wheels		Floor Space Over All			Diameter of Crank Shaft	Shipping Weight
			Diameter	Face	Diameter	Weight	Width	Length	Height		
K5A	5	425	12 inches	6 inches	28 inches	166 lbs.	28 inches	47 inches	27 inches	2 inches	912 lbs.

## 5 H. P. Hand Portable

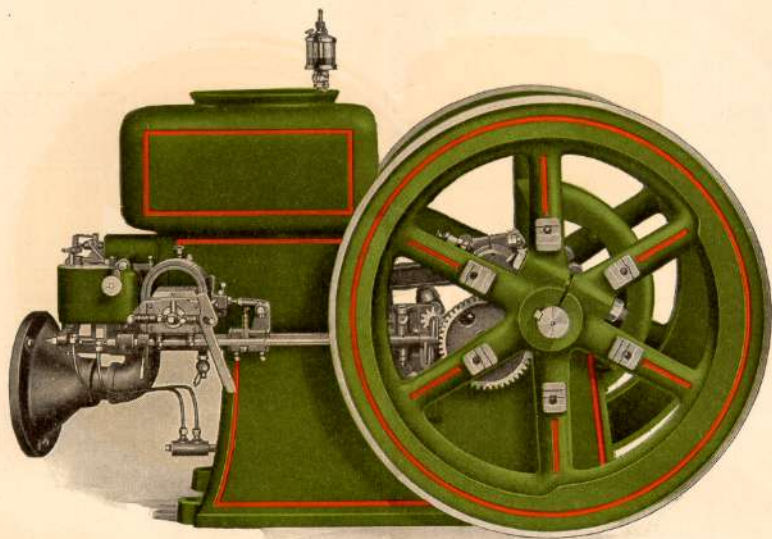
### Specifications

Style Number	Engine Reg. Equip.	Truck Angle Beams	Axle	Width of Tires	Size of Wheels		Shipping Weight
					Front	Rear	
K5H	5 H. P.	54 x 4 inches	1 3/8-inch steel	3 inches	14 inches	20 inches	1112 lbs.

# All We Can Give For The Money



# HERCULES Engines Save the Difference



## 7 H. P. Stationary

### Specifications

Style Number	Horse Power	Speed R. P. M.	Plain Pulley		Fly Wheels		Floor Space Over All			Diameter of Crank Shaft	Shipping Weight
			Diameter	Face	Diameter	Weight	Width	Length	Height		
K7A	7	375	16 inches	6 inches	34 inches	228 lbs.	32 inches	57 inches	32 inches	2 1/4 inches	1346 lbs.

# Not All We Can Get For The Goods

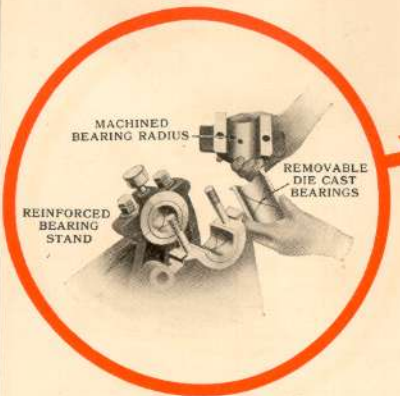




# HERCULES Engines Save the Difference



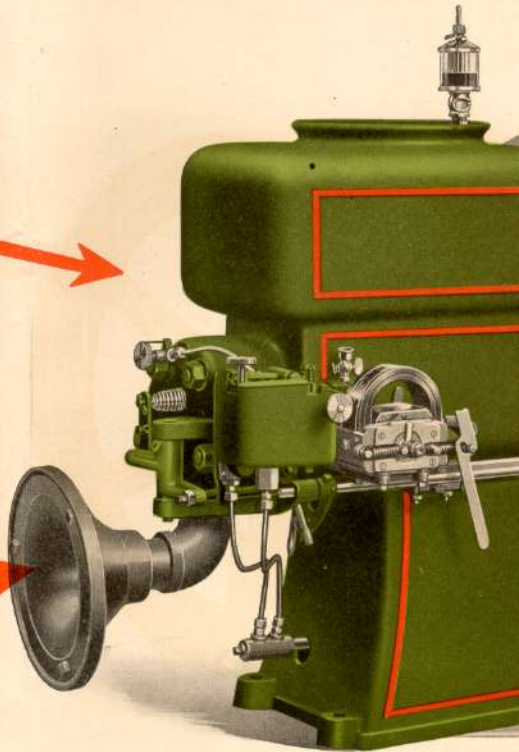
GROUND PISTON AND RINGS



MACHINED BEARING RADIUS

REINFORCED BEARING STAND

REMOVABLE DIE CAST BEARINGS



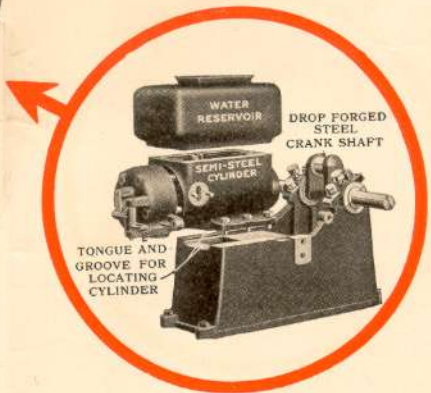
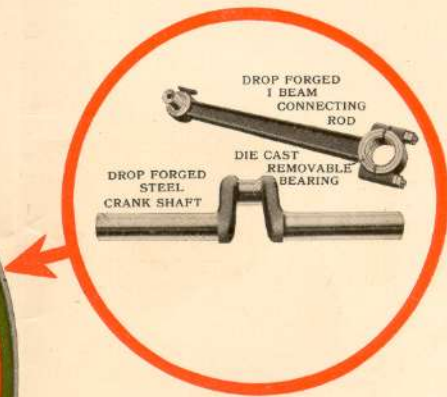
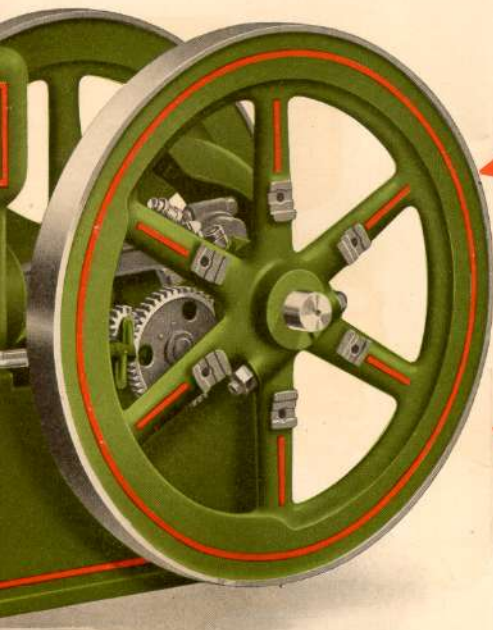
3, 5, 7, 9 and 1

# All We Can Give For The Money





# HERCULES Engines Save the Difference

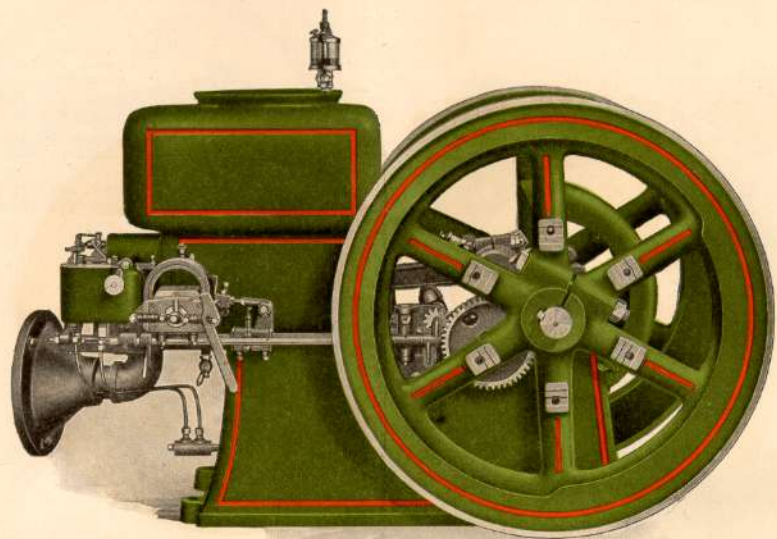


2 Horse Power

## Not All We Can Get For The Goods



# HERCULES Engines Save the Difference



## 9 H. P. Stationary

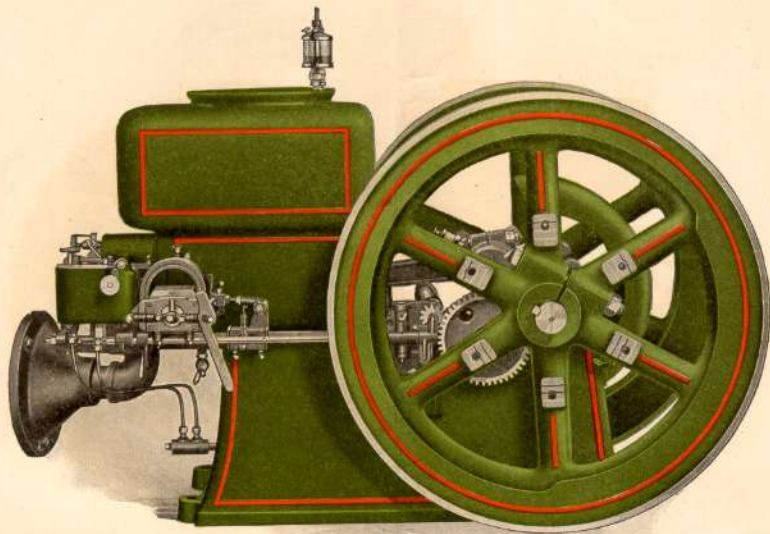
### Specifications

Style Number	Horse Power	Speed R. P. M.	Plain Pulley		Fly Wheels		Floor Space Over All			Diameter of Crank Shaft	Shipping Weight
			Diameter	Face	Diameter	Weight	Width	Length	Height		
K9A	9	325	20 inches	8 inches	38 inches	400 lbs.	36 inches	65 inches	38 inches	2 1/4 inches	1970 lbs.

# All We Can Give For The Money



# HERCULES Engines Save the Difference



## 12 H. P. Stationary

### Specifications

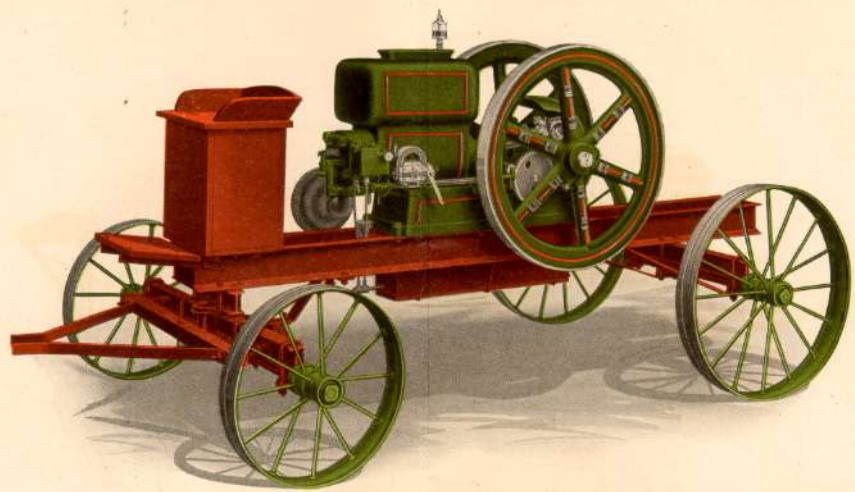
Style Number	Horse Power	Speed R. P. M.	Plain Pulley		Fly Wheels		Floor Space Over All			Diameter of Crank Shaft	Shipping Weight
			Diameter	Face	Diameter	Weight	Width	Length	Height		
K12A	12	300	24 inches	8 inches	44 inches	350 lbs.	39 inches	74 inches	41 inches	2 3/4 inches	2840 lbs.

# Not All We Can Get For The Goods





# HERCULES Engines Save the Difference



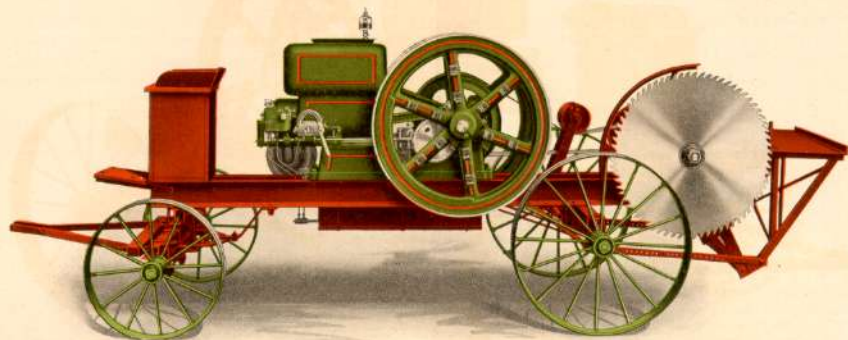
## 5, 7, 9, 12 H. P. Team Portable

5 H. P. furnished with full base only

### Specifications

Style Number	Engine Reg. Equip.	Channel Steel Frame	Axles	Width of Tires	Size of Wheels		Shipping Weight
					Front	Rear	
K5B	5 H. P.	5" x 8'	1 $\frac{3}{8}$ -inch steel	4 inches	24 inches	32 inches	1497 lbs.
K7B	7 H. P.	5" x 8'	1 $\frac{3}{8}$ -inch steel	4 inches	24 inches	32 inches	1900 lbs.
K9B	9 H. P.	6" x 10' 4"	2-inch steel	5 inches	26 inches	36 inches	2765 lbs.
K12B	12 H. P.	6" x 10' 4"	2-inch steel	5 inches	26 inches	36 inches	3380 lbs.

# All We Can Give For The Money



## 5, 7, 9, 12 H. P. Tilting Table Sawrig

5 H. P. furnished with full base only  
Sliding table can be furnished when specified

### Specifications

Style Number	Engine Reg. Equip.	Channel Steel Frame	Axles	Width of Tires	Size of Wheels		Saw Frame	Saw with Guard	Shipping Weight
					Front	Rear			
K5D	5 H. P.	5" x 8'	1½-inch steel	4 inches	24 inches	32 inches	Tilting Table	26 inches	1750 lbs.
K7D	7 H. P.	5" x 8'	1½-inch steel	4 inches	24 inches	32 inches	Tilting Table	30 inches	2200 lbs.
K9D	9 H. P.	6" x 10' 4"	2-inch steel	5 inches	26 inches	36 inches	Tilting Table	30 inches	3065 lbs.
K12D	12 H. P.	6" x 10' 4"	2-inch steel	5 inches	26 inches	36 inches	Tilting Table	30 inches	3680 lbs.

# Not All We Can Get For The Goods



# HERCULES Engines Save the Difference



## These are a Few among *The Many* who "Saved the Difference" thru buying a "*Hercules*"

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that the Engine is working O.K. I never saw a smoother running Engine. It handles the load in good shape and is nice to start on a cold day. I did not have any trouble with it. I can recommend the Hercules Engine.

FRANK FOZZARD,  
Butler County, Rising City, Neb.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding the Hercules Engine, I wish to advise that it is satisfactory in every way. Have had no trouble whatever with it, is easily started, runs steadily and needs very little attention. I can't think of any improvement it could have.

E. C. ADAMS,  
Marion County, Lincolnville, Kans.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that I am perfectly satisfied with your Engine and find it does all that it was recommended to do. It is sure a great help to us and we will tell our neighbors and friends about it.

GEO. A. ASHBURN,  
Sullivan County, Green City, Mo.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that last June we installed a Milking Machine in our Dairy House. We tried three different Engines. Some times we had power and other times we had none. We now have a little 3 H. P. Hercules Engine and have power every time we use it.

J. A. SATTERLY,  
Lewis County, Port Leyden, N. Y.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that I am satisfied with the Engine. Didn't have any trouble with it and it has been working fine all the time.

CHRISTIAN DUPPER,  
Walworth County, Glenham, So. Dak.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that I think the Hercules Engines are the best Engines made; very much pleased with mine, does good work. Please send me "The book of Instructions."

RAYMOND C. JOHNSTON,  
Meigs County, Langsville, Ohio.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that it is giving good satisfaction and we can recommend it to any who want a Gas Engine.

JORDAN & NUNN,  
Washington County, Davisboro, Ga.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that I am well pleased with my Engine and will recommend it to my neighbors.

JACOB S. DAVIS,  
Delaware County, Kelsey, N. Y.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that I am very well pleased with my Engine and it has given perfect satisfaction since I have it.

GEORGE LYALL,  
P. O. Box 62F, Buena Vista, Pa.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that it is the best Engine I ever saw. My wife starts it and does her washing with it all alone and never had any trouble yet. I like it very much. If I was to buy a hundred they would all be Hercules Engines.

Yours truly,  
FOLKERT NEITZ,  
Livingston County, Odell, Ill.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that as far as I have used my Engine I am well pleased with it and it cost less money than some other makes. It has plenty of power.

D. D. STRONG,  
Sanborn County, Artesian, So. Dak.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that my Engine is a dandy. No fault to find whatever.

E. A. SPLINTER,  
La Moure County, Kulm, No. Dak.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that I am perfectly satisfied with it. I prefer it to any other Engine I have ever had.

M. R. EVANS,  
Leake County, Dossville, Miss.

# All We Can Give For The Money





# HERCULES Engines Save the Difference



The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that it is everything an Engine can be. Wouldn't want to sell it if I couldn't get another one. It has plenty of power and is very economical in gas.

C. M. WILLIAMS,  
Albemarle County, No. Garden, Va.

The Hercules Gas Engine Co.,  
Evansville, Ind.

Regarding my Hercules Engine, I wish to advise that we are entirely satisfied with our Engine. It is giving good satisfaction.

SPAIN ASON,  
Canell County, Cedar Grove, Tenn.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that the Engine purchased from your local representative has proven highly satisfactory.

T. G. SAMS,  
Warren County, Hartford, Iowa.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that it is the best Engine I ever saw. It pulls more than I expected for an Engine rated only at 5 H. P. Am more than satisfied with my Engine.

SAM RADKE,  
Richland County, Fairmount, N. Dak.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that my 5 H. P. Engine is in use on my fig and plum ranch Orosi, Tulare County, Cal., and is satisfactory in every respect. You may refer to me at any time for a "boost."

GEO. H. PETTENGILL,  
County S. A., Los Angeles, Cal.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that I am well satisfied with the Engine. It is well worth the money. All my neighbors and friends like it. I wouldn't do without it.

IRA NISSLEY,  
Custer County, Weatherford, Okla.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that the 5 H. P. recently purchased, price and quality considered, was a good buy, it has not given us any trouble and performs all and more than is claimed for it.

J. P. MARTIN,  
Fisher County, Rotan, Tex.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that it has given perfect satisfaction so far. It runs good and has unlimited power. It is simple enough for a boy to run.

GUST G. JOHNSON,  
Hill County, Amos Po., Mont.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that I have a seven H. P. Engine. Am pulling a 3-inch centrifugal pump. I ran several twelve hour shifts and have had no trouble and do not expect any.

C. B. JENKINS,  
Crawford County, Mulberry, Kans.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that the Engine has given satisfaction in every respect. Have started it at 6 below zero at the third and fourth revolution. I don't think any person in need of a Gas Engine would go wrong in getting a Hercules.

NOAH F. HOFFMAN,  
Adams County, Monroe, Ind.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that the Hercules Gas Engine works as you say and have a lot of power with little fuel. It is an easy running Engine and I hope every man that needs an Engine should learn about the Hercules before buying.

WM. N. HARMONY,  
Lehigh County, Allentown, R3, Penn.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that after looking some time, and at various engines, I consider the Hercules the best for the money paid for it. Works perfectly under all conditions and is practically "fool-proof."

ROBT. D. COOPER,  
Kalamazoo County, Kalamazoo, Mich.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine I wish to advise that the Hercules Engine is as good if not better than any Engine made. I have used different kinds and found the Hercules a powerful and steady running Engine, that I can truthfully recommend it to anyone.

THEO. CORNE,  
Clear Lake, Minn.

The Hercules Gas Engine Co.,  
Evansville, Indiana.

Regarding my Hercules Engine, I wish to advise that we like the Engine very much. It is economical of fuel and runs very smoothly, also starts easily.

CHEET-LAND ORCHARD CO., Pinto, Md.

## Not All We Can Get For The Goods

PRICE  
PER  
GALLON

PRICE  
PER  
GALLON

40¢  
35¢  
30¢  
25¢  
20¢  
15¢  
10¢  
5¢

40¢  
35¢  
30¢  
25¢  
20¢  
15¢  
10¢  
5¢

**HERCULES  
GIVES YOU  
THE DIFFERENCE  
IN COST PER GAL.**

