

THE *New Holland*



MANUFACTURED BY THE
NEW HOLLAND MACHINE CO.
NEW HOLLAND, PA., U.S.A.

THE
New Holland
LINE

Manufacturers of the Well Known Line

New Holland Gasoline Engines

Portable and Stationary

FEED MILLS

The Original Single Shaft Corn and
Cob Mill

**Wood and Steel
Cross Cut Saw Frames**

ROCK CRUSHERS

Portable and Stationary

The Highest Quality in Production
and Efficiency

Manufactured By

NEW HOLLAND MACHINE CO.

New Holland, Pa., U. S. A.

THE

New Holland

GASOLINE ENGINES

Built in the following sizes:

2 and 5 H. P.

The *New Holland* Engines have proven their superiority by years of constant, satisfactory use. They are in a class of their own. For simplicity, durability, reliability, high power and low cost of operation they have given most gratifying results. Each *New Holland* Engine is built to be a permanent advertisement wherever used. All Engines we sell we attribute to the merits of those in use and the best recommendation that we can offer is that of any one using a *New Holland* Engine.

GOVERNOR. The *New Holland* Governor is simple, reliable and sensitive. The speed can be regulated with a lever while engine is running just the same as a throttle on a steam traction or locomotive.

BEARINGS. Our Bearings are made of the best grade of phosphor bronze bearing metal, and in connection with our high carbon crank shaft these bearings run smoothly and do not cut.



VAPORIZER. The *New Holland* Patented Vaporizer is different from all others and will make a perfect explosive mixture at all speeds or loads without changing the gasoline valve. It can be



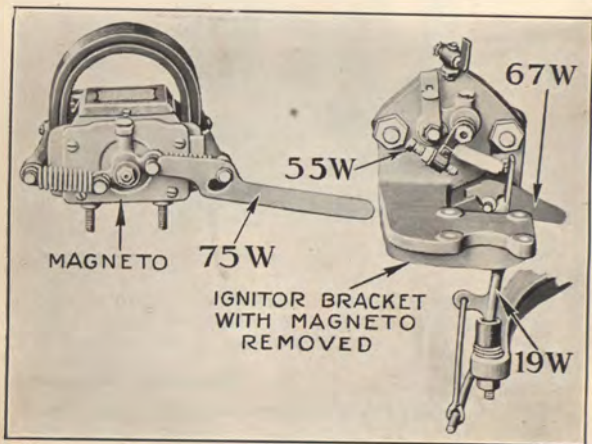
taken from the engine, examined and returned in a moment's time.

GASOLINE TANK. The *New Holland* Gasoline Tank is in one heavy casting, forming a sub-base, and is of the best quality close grained metal. It is strong and durable and will not be affected by the vibration of the engine and is safe from any possibility of explosion. Their capacity is one gallon of gasoline per Horse Power. The filling head is conveniently located for filling tank from either side.

SAFETY. The *New Holland* Gasoline Engines have been approved by the National Board of Fire Underwriters and are recommended safe in buildings.

IGNITION

The *New Holland* Engines had been furnished with different kinds of ignition equipments of the highest grade devices developed during the last twenty years. The Original high grade *New Holland* ignitor has always been used the same as to-day in connection with batteries, friction drive and geared magnetos. We recommend the use of an oscillating magneto; therefore, have adopted the improved Webster magneto.



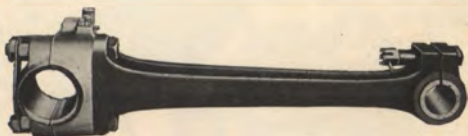
The *New Holland* improved Webster magneto gives a white hot flame at every oscillating impulse. It is simple, dependable, and durable, contains no moving wires, brushes or rubbing contact points. It is weather proof, oil proof and as nearly fool proof as it can be made. The material used is carefully selected from the highest grade stock. All moving parts that are subject to wear are heat treated and hardened to insure long and continuous service. They are easy to attach to *New Holland* Engines and can be placed on all *New Holland* Engines from 1½ to 5 H. P. by any person in a few minutes.

GEARS. The spur gear and pinion are cut from solid metal casting which mesh perfectly and run smoothly.

The Valve Cam on the spur gear and the exhaust lever roller working against the cam are exceptionally hard to prevent wear. Unlimited trouble is caused on the cheaper grades of engines by wear from this point. You can test the *New Holland* with a file.



VALVES. The valves being placed vertically do not wear out of line with the valve seat. They are run for years without leaking. Vertical Valves eliminate all side wearing which is commonly known among horizontal valves. No wearing out the lower side of the bevel seat with vertical valves. Our valves are large, giving the greatest possible power, insuring full charges of fresh gas mixture and a free discharge of burnt gas. Even on high speed the valves are not raised high from their seats guaranteeing the greatest economy and the least possible wear. The valve spring is far enough away from the heated valve to prevent the drawing of the temper.



CONNECTING ROD. The Connecting Rod with Piston and Crank Pin Bearings have been designed according to the highest engineering standards.

The Connecting Rod is made of high grade steel in I Beam shape with wide flanges to prevent crystallization and buckling.

Both the piston pin bushings and crank pin bearings are made of the highest grade phosphor bronze, large in size and of greatest practical length.

LUBRICATORS. All engines are fitted with a high grade sight feed lubricator as well as an auxiliary oiler in connection with the lubricator. This permits oiling the engine cylinder as well as crank shaft bearings with an oil can for short runs or until the oil in the lubricator gets heated sufficiently to feed properly—this device is highly appreciated on short runs in cold weather.

CYLINDER. The Cylinders are bored on a specially designed vertical boring machine. They are reamed smooth and are perfectly true and of gauge size.

The Engine Cylinders, Pistons and Piston Rings are made of a special grade semi-steel mixture, making a very smooth, close grain metal and having the least possible friction and wear.

PISTON. The Piston has perfect lubrication due to the improved oil grooves which distribute the oil. The Piston Ring Grooves are carefully cut out of solid metal and the piston is turned and ground to gauge size. The Piston Rings are of the lap joint design, making the ring joint as tight as the solid part.



PISTON RINGS. The Piston Rings are eccentric in form to insure a uniform pressure against the wall of the cylinder. They are turned and ground true to snap gauge size and fit closely into the piston ring grooves.



The *New Holland* defies the weather

ICE TEST. The *New Holland* Cooling System is the original of its kind and is the only cylinder tank engine on the market that is fully guaranteed not to burst by the expansion of ice under any condition in extreme cold weather. It is the simplest, most convenient and safest method for cooling gas engine cylinders. The *New Holland* has been in use for twenty years and we have not heard of a single one being injured by ice out of all the thousands shipped out. The engine can be started and stopped and the water may freeze time and again without paying any attention to drainage or having the slightest fear of injuring the engine. No water to drain when shutting down. No pipes to thaw when ready to start. Not necessary to worry of a freeze-up over the night.

The *New Holland* Ball Bearing Friction Clutch Pulley is convenient to operate and very durable, made in three sizes, 12, 16 and 18 inches in diameter for 2 and 5 H. P. engines. Heavy loads can be started very steadily with this pulley.



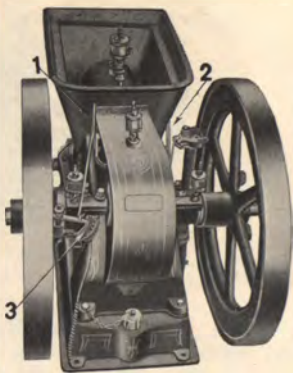
**Friction Clutch
Pulley**

STARTING.

The *New Holland* Engine is known for easy starting when the water in cooling tank is frozen solid or steaming hot.

OPERATING.

The *New Holland* can be operated by any one by a few words of instructions or by glancing over instructions furnished with the engine without previous experience. The speed of the engine is regulated by the lever No. 1 permitting a large variation of speed indicated on the graduated dial No. 3. The lever No. 2 operates the air cap to make a partial or total vacuum for starting when engine is cold. Both levers Nos. 1 and 2 are in easy access of the operator for starting the engine from either side.

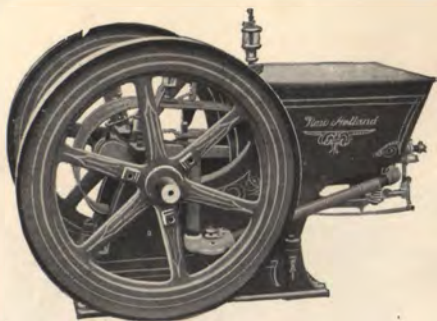


Front View



**New Holland
Heating Block**

Should your engine become difficult to start in cold or zero weather on account of poor gasoline or leaky insulation all that is necessary is to place the heating block in a stove until it becomes heated, then place same on the fuel pipe of your engine which will give you warm or hot gas and your engine will start easy. They are inexpensive and can be furnished for any size *New Holland* Engines.



2 H. P. *New Holland* Engine

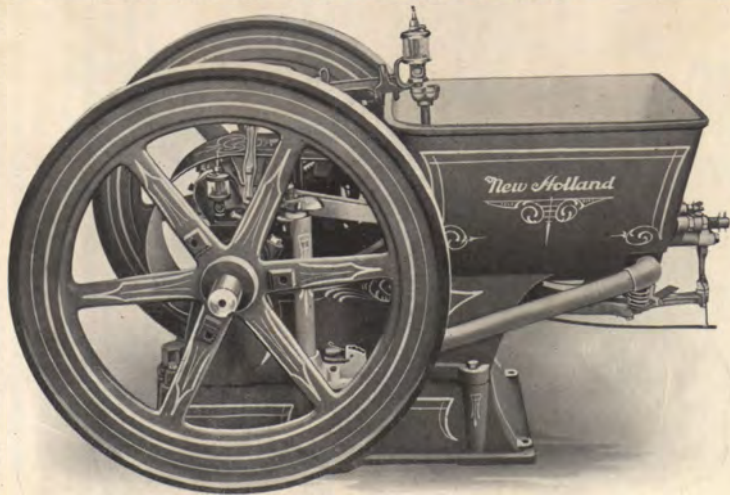
The *New Holland* Engine has years ago passed its experimental stage and the thousands sold since then have been placed in the hands of both inexperienced and expert operators and have, in all cases, demonstrated themselves to be one of the most powerful, durable, reliable, safe and economical engines made.

Each *New Holland* Engine is built to be a permanent advertisement wherever used. Since we cannot obtain perfect material we do not claim to make a perfect engine but are always ready and willing to rectify or replace any defective part free of charge and are pleased to give by mail any Instructions and Assistance required to keep the engine in perfect running order, as we are anxious to have each engine to give its owner the best of service.

New Holland Engines are especially designed to operate light farm machinery, such as, pumping water, running laundry and dairying machinery, corn shellers, cream separators, wood saws, ensilage cutters, feed grinders, or any other machinery requiring one to six horse power.

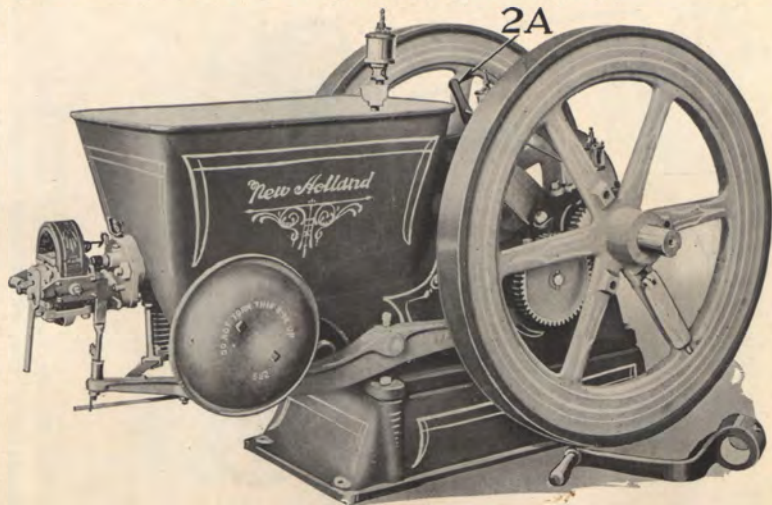
They can also be operated with kerosene by using a small auxiliary tank in connection with the sub base now furnished with the engines. It enables the operator to start the engine on gasoline until the engine becomes heated then by turning a 3-way valve the engine will be supplied with kerosene fuel. It is our aim to furnish our trade with economical machinery. The extra cost for kerosene attachment is very small.

THE *New Holland* ENGINE



2 and 5 H. P. *New Holland* Engine. Left Hand Side

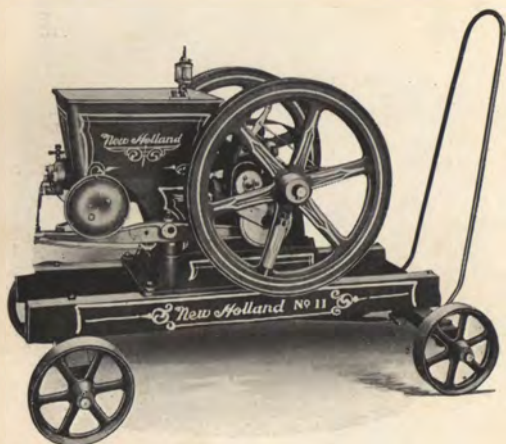
THE *New Holland* ENGINE



2 and 5 H. P. *New Holland* Engine. Right Hand Side

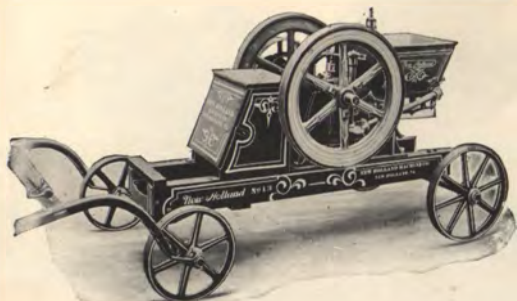
TABULATION OF *New Holland* ENGINES

Rated H. P.	H. P. Devel- oped	Bore	Stroke	Speed	Wt.
2	2½	4 in.	6 in.	250-500	550 lbs.
5	6½	5⅝ in.	7½ in.	250-500	950 lbs.



No. 11 Truck suitable for 2 H. P.
New Holland Engine

The No. 11 Truck has cast iron wheels 10" in diameter, 2" tire, with 1" axle equipped with hand tongue making a very neat and suitable truck for the 2 H. P. *New Holland* Engine, especially adapted to move from place to place with the engine in a suitable height for operating.



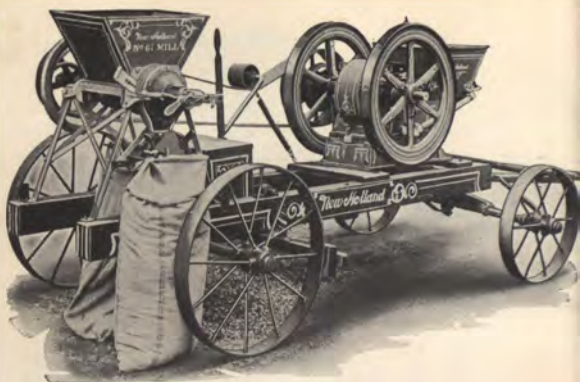
No. 13 Truck

The No. 13 *New Holland* Truck is suitable for mounting the 2 and 5 H. P. Engine and furnished with hand tongue only, suitable to haul about the premises with one horse. Front wheels are 16" diameter, rear wheels 20" diameter, and steel axles 1 1/2" diameter.



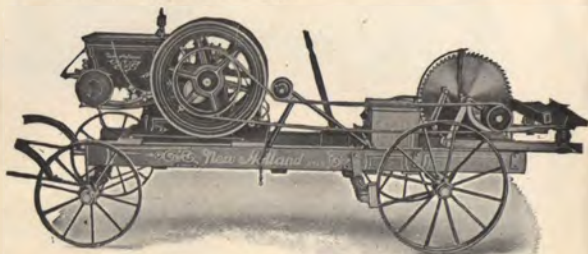
No. 14 Truck

The No. 14 *New Holland* Truck is suitable for mounting 2 or 5 H. P. engine. It is especially adapted for hauling the engine over rough roads or long distance, equipped with brake and large tool box forming a seat for the driver. It is furnished with pole, double tree and neck yoke. Front wheels are 24" diameter x 3" tire, rear wheels 30" dia. x 3" tire, and 1 3/4" steel axles.



**No. 15 Truck with 5 H. P. *New Holland* Engine
and No. 6 $\frac{1}{2}$ *New Holland* Mill**

The No. 15 Truck mounted with a 2 or 5 H. P. Engine also Feed Mill or Steel Saw Frame as shown below makes a complete portable outfit and can be conveyed from place to place being always set up ready for operation. This truck is also provided with a pulley belt tightener to keep the proper tension on the belt at all times. Either Mill or Saw can be exchanged or replaced in a few minutes. Both are run with the same belt. Front wheels are 24" dia. x 3" tire, rear wheels 30" dia. x 3" tire, and 1 $\frac{3}{4}$ " steel axles.



**No. 15 Truck with 5 H. P. *New Holland* Engine
and *New Holland* Combination Saw Frame**

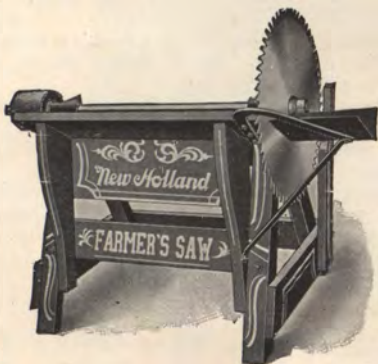
New Holland WOOD SAWS

Made in Two Sizes



Baby Saw Frame with Swing Table

The *New Holland* Baby Saw is built especially for light power and when run with a $1\frac{1}{2}$, 2 or 4 H. P. Gasoline Engine will saw from 3 to 10 cords in ten hours.



Farmer's Saw

The *New Holland* Farmers' Saw is stronger and heavier than the Baby. This is distinctly a saw for the farmer and especially for those having gasoline engines from 4 to 12 Horse Power.



***New Holland* Combination Saw**

Notice Large Rollers Under Table

The *New Holland* Combination Saw is a new design for use on a steel frame as shown above, or for bolting to sills of a truck.

The one-piece solid iron arbor support makes a perfectly rigid non-twistable saw frame which assures perfect alignment of bearings and reduces friction to a minimum.

The large rollers under the table give it free motion even when heavily loaded. The heavy spiral spring returns the table automatically.

TABULATION

	Baby	Farmers	Steel
Weight less blades	90 lbs.	160 lbs.	220 lbs.
Size of Pulley	5 x 4 in.	6 x 6 in.	6 x 6 in.
Diameter of Mandrel . . .	1 $\frac{5}{8}$ in.	1 $\frac{7}{8}$ in.	1 $\frac{7}{8}$ in.
Hole in Saw Blade	1 $\frac{1}{4}$ in.	1 $\frac{3}{8}$ in.	1 $\frac{3}{8}$ in.
Speed R. P. M.	600-1000	500-1000	500-1000

New Holland FEED MILL

Built in 5 Sizes

The *New Holland* is designed to grind all kinds of shelled grain or cob corn, damp or dry, mixed or separately, in one operation. They have large capacity, easy running, simple constructed and of long endurance being free from cogs, gears, etc., thereby reducing friction to a minimum.

The *New Holland* is the original single shaft corn and cob mill and has had many imitations. Buy the *RELIABLE ORIGINAL*.

No. 6 MILL

1 to 4
H. P.

3 to 15
bu. Ca-
pacity

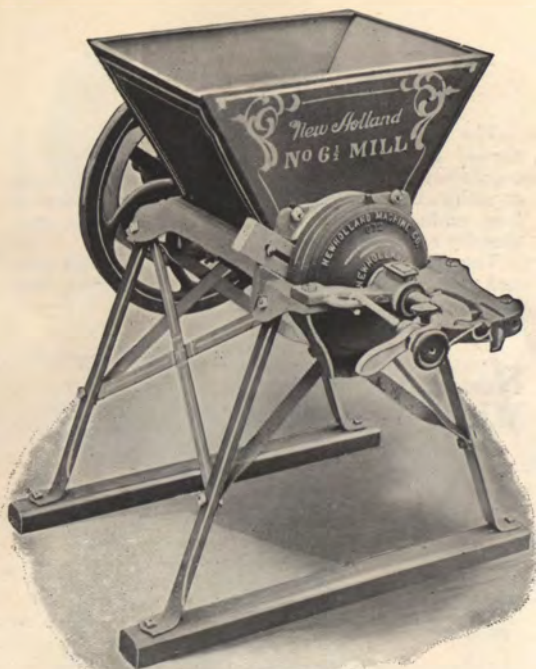
Grind-
ing
Plates—
6" diam-
eter



No. 6 *New Holland* MILL

This mill is built strong, all steel and cast iron, requiring from 1 to 4 H. P., and has a capacity from 3 to 15 bushels per hour. It will grind all kinds of grain as above mentioned.

The No. 6 is the smallest size *New Holland* Mill built and is a wonder; will produce the finest grade of table meal, and grinds all the feed on many small farms.

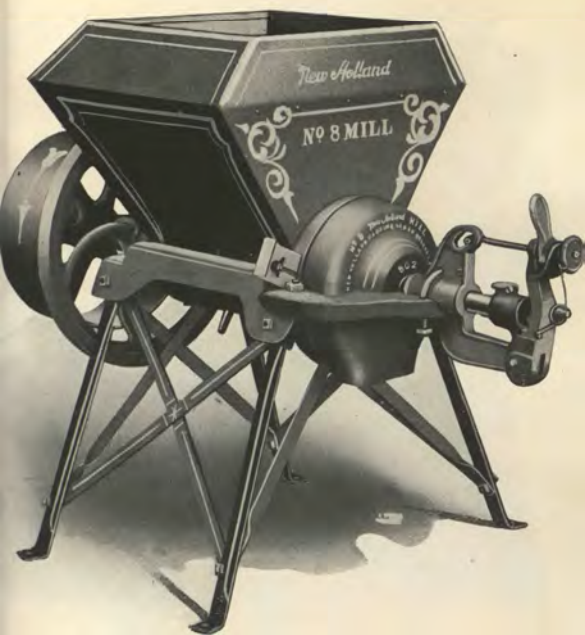


No. 6 $\frac{1}{2}$ *New Holland* MILL

**2 to 6 H. P. 6 to 30 Bu. Capacity. Grinding
Plates 6 $\frac{1}{2}$ " Diameter**

The No. 6 $\frac{1}{2}$ *New Holland* is equipped ready for use with or without sacking elevator the same as on our No. 10 and 12 sizes. It is especially designed to run with 2 to 6 H. P. and has a capacity from 6 to 30 bushels per hour according to power used and fineness of product desired.

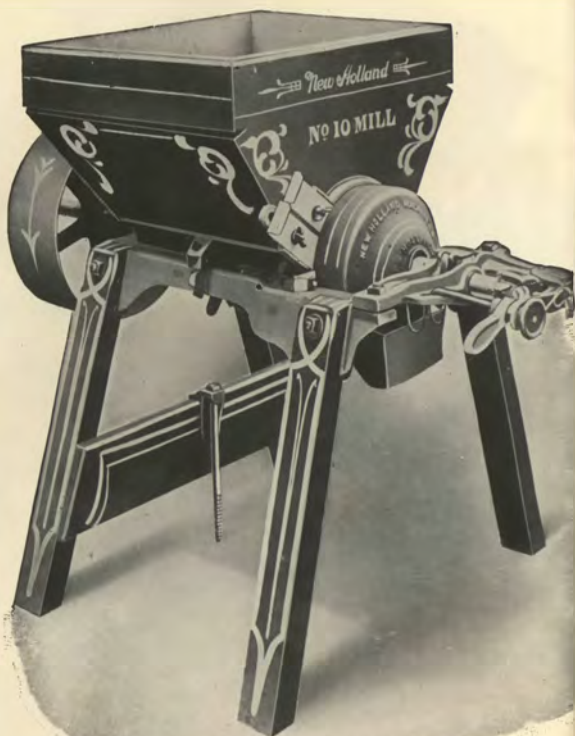
The No. 6 $\frac{1}{2}$ *New Holland* is an elegant farm size to run with 2 to 6 or even 10 H. P. The hopper is 22 x 15 $\frac{1}{2}$ x 15" deep suitable for the largest cob corn grown as well as all kinds of shelled grain and table meal. It can be furnished with No. 10 Sacking Elevator, if wanted.



No. 8 *New Holland* Mill

**5 to 10 H. P. 15 to 50 Bu. Capacity. Grinding
Plates 8" Diameter**

The No. 8 *New Holland* Mill is especially designed for farmers or local millers having large quantities of feed to grind. Size of hopper 17 x 21 x 15" deep having a wooden frame on top to resist the blows of shovels or bushel boxes. This mill is provided with a large worm agitator to prevent ear corn from bridging in the hopper. It will also grind fine meal with extra fine plates. The mill can be furnished with No. 10 elevator if wanted.



Styles of Nos. 10, 12 and 3 *New Holland* Feed Mills

Nos. 10, 12 and 3 *New Holland* Mills have been on the market for many years and have built a wide reputation. They are fitted with wooden hopper and legs, otherwise, same as the other Mills. For capacity see page 22.



***New Holland* THIRD BEARING ATTACHMENT**

The *New Holland* third bearing attachment can be furnished for the Nos. 6½, 8, 10 and 12 mills and can also be attached to said sizes which were formerly shipped without this attachment. The *New Holland* has several important features not found on any other mill. The third or outside bearing is held firmly in place by two steel side rails bolted against the main mill frame thus assuring perfect alignment of the third bearing.

The Floor Bracket "M" resting against the rear side rail close to the belt pulley supports the pulley end of the mill.

The Floor Clamp "R" is highly appreciated by any operator especially when not experienced in lining up belt power machines as this particular part holds the plate end of the mill firmly on the floor.

Since the pulling strain of the belt is carried by the floor bracket "M" the plate end of the mill can be shifted back or forth on the floor after started or while grinding thereby enabling the operator to properly line up the belt without the use of a wrench or hammer.



New Holland Elevators for Nos. 6½, 8, 10 and 12 Mills

The conveyors are driven by a link chain and have ample capacity for all kinds of feed. The elevator can be extended to either side of the mill. It is run by a belt from a pulley on the mill shaft. The belt is tightened by swinging the upper end of elevator away from the mill and then held in place by a sliding brace clamped to the mill hopper. The conveyor chain is tightened by two sliding bearings. The double sacking spout is fitted with a swinging valve to turn the ground feed in two sacks alternately while grinding.

TABULATION OF FEED MILLS

No.	Size Grind. Plates	Capacity Bu. per hr.	H. P.	Speed R. P. M.	Pulley	Wt.
6	6 in.	4 to 20	1 to 5	500-1000	8 x 4 in.	100 lbs.
6½	6½ in.	8 to 40	2 to 8	500-900	10 x 5 in.	140 lbs.
8	8 in.	15 to 50	5 to 10	500-800	14 x 5 in.	200 lbs.
10	8 in.	12 to 60	5 to 10	500-700	14 x 5 in.	180 lbs.
12	10 in.	25 to 90	8 to 14	500-700	14 x 6 in.	300 lbs.
3	12 in.	40 to 125	10 to 20	500-700	14 x 8 in.	700 lbs.

New Holland ROCK CRUSHERS



No. 712 *New Holland* Rock Crusher on Skids

The *New Holland* Crushers are simple in design, high in quality, large in capacity in comparison with size and power required, and low in price.

They crush all kinds of rock for road making and concrete work as well as ores, alloys, etc.

MAIN FRAME has large wide ribs running in the same direction of the strain produced by crushing.

MAIN SHAFT is of high carbon steel.

The BEARINGS are of extra large size, heavily lined with highest grade anti-friction metal.

OILING. The main bearings are fitted with felt oiling pads which retain the oil and apply a thin film on the shaft every revolution. Heated bearings are unknown in the *New Holland* when receiving ordinary attention.

SAFETY TOGGLE is furnished in different lengths for making a large variety and grades. Same will break in case a sledge hammer or other extremely hard material will drop in the jaws.

JAW ADJUSTMENT. The Jaws are conveniently adjusted by inserting or removing steel liners between the eccentric bearing and safety toggle.

SWING ARM. The Swing Arm to which the movable jaw is attached is extra long to reduce the friction on the bearings.

**No. 20
Crushing Outfit
with
No. 712 Crusher**



The *New Holland* Crushers are furnished on Wood or Steel Skids with short or long shaker screen or on Trucks with or without elevators. Also, on trucks with engines.

New Holland RECRUSHING and PULVERIZING ROLLS are especially designed for making extra fine grade of crushed rock and sand or to pulverize rock for agricultural purposes.

New Holland DISC PULVERIZER is an inexpensive machine for pulverizing lime rock and burnt lime for agricultural purposes.

Revolving Screens, Chute Screens and Stone Bins are furnished with stationary or portable crushers. Elevators up to 40 ft. in length are furnished with stationary crushers.

If interested in rock crushing machinery of any kind, write us stating your requirements.

TABULATION

No. of Cr.	Jaw Open- ing	H. P.	Speed R. P. M.	Capac. tons per hr.	Wt. on Skids	Wt. on Truck
609	6x 9 in.	4 to 6	240 to 300	2 to 4	2400 lbs.	3700 lbs.
712	7x12 in.	8 to 12	240 to 300	3 to 6	3700 lbs.	5500 lbs.
816	8x16 in.	12 to 16	240 to 300	6 to 10	7000 lbs.	9500 lbs.