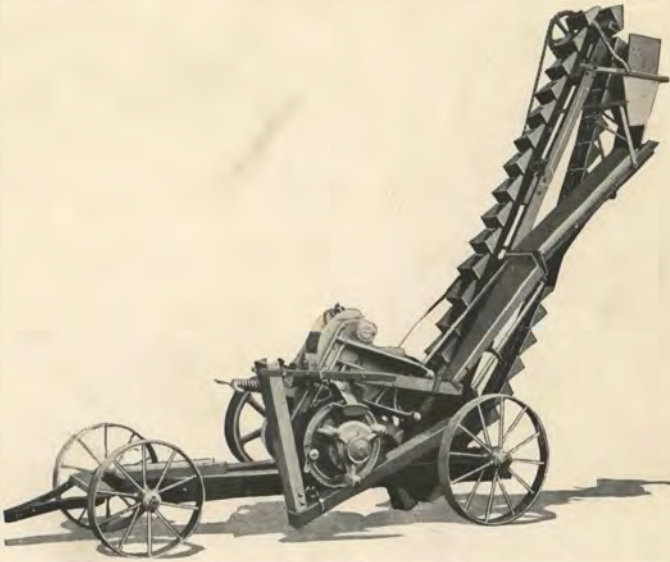


New Holland

Rock Crushing and Pulverizing Outfit

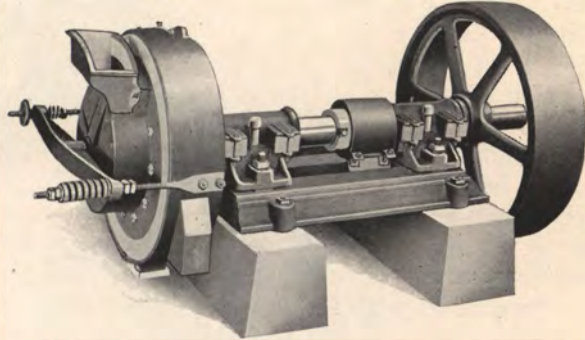


ANY SIZE DOWN TO DUST

This machine is a complete rock crushing and pulverizing plant. It is furnished on sills or truck and will crush all kinds of surface stone or quarried rock into all grades from road ballast down to extra fine concrete grades and will crush and pulverize lime and similar rock down to dust for agricultural purposes and water proof concrete facing. It is especially designed for farmers to run with the average farm engines or tractors.

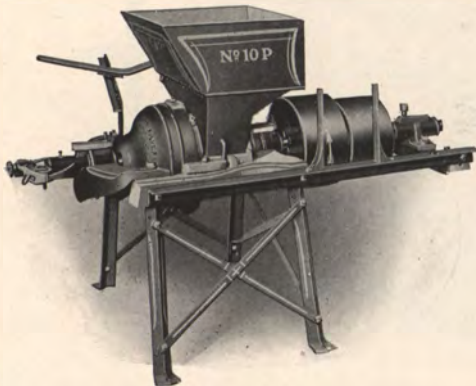
New Holland Pulverizers

New Holland Pulverizers are of the Plate or Disk type using the rubbing process to produce a fine floury meal. They are used independently or in connection with a Jaw or Hammer Crusher as a primary breaker. The stone should first be reduced to about $\frac{1}{2}$ " size before entering the plate pulverizer.



NO. 16P PULVERIZER ON BASE

A complete *New Holland* Pulverizer includes a Jaw Crusher, Elevator, Jolt Screen and Return System.

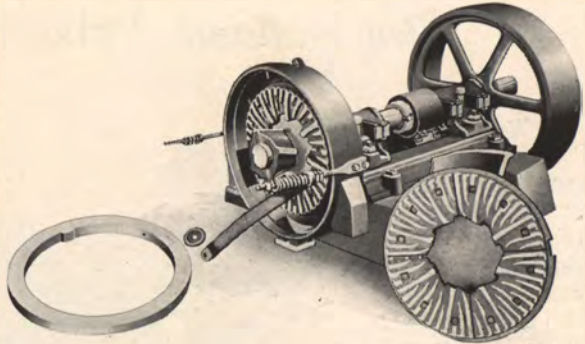


NO. 10P PULVERIZER ON LEGS

The 16P Pulverizer has 16" disks of heavy, wide ribs to insure long service and is mounted on a base for stationary use or on the crusher shaft of the No. 609 or No. 612 Jaw Crusher, as shown on cover page. When mounted on the No. 712 Crusher we use a 20" disk.

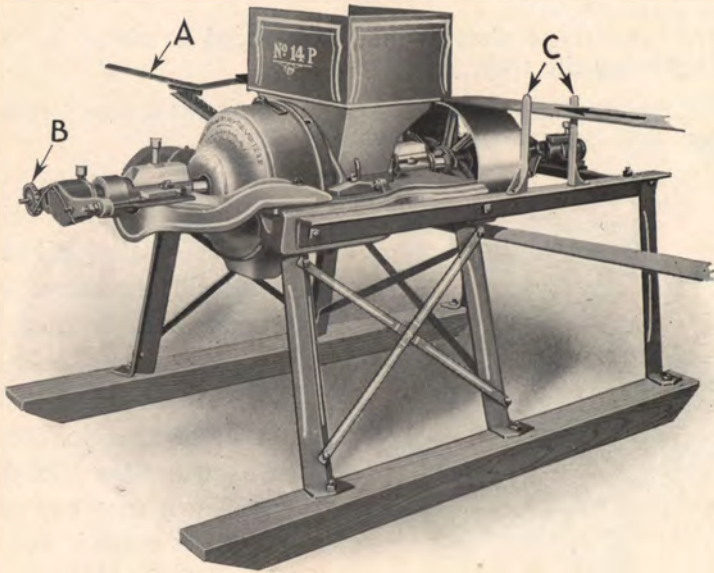
The 10P Pulverizer has 10" plates and is mounted on legs and can be used independently or with either No. 609, 612 or 712 Crusher to pulverize either burnt lime or raw stone for agricultural purposes. Used mostly for stationary outfits.

Showing Plates,
Plate Ring and
Lug Crusher,
Ball Bearing
Thrust, Safety
Pin, Tension
Spring, etc.
Mounted on a 3"
shaft with long
heavy bearings.
Specially made
for high speed
and heavy duty.



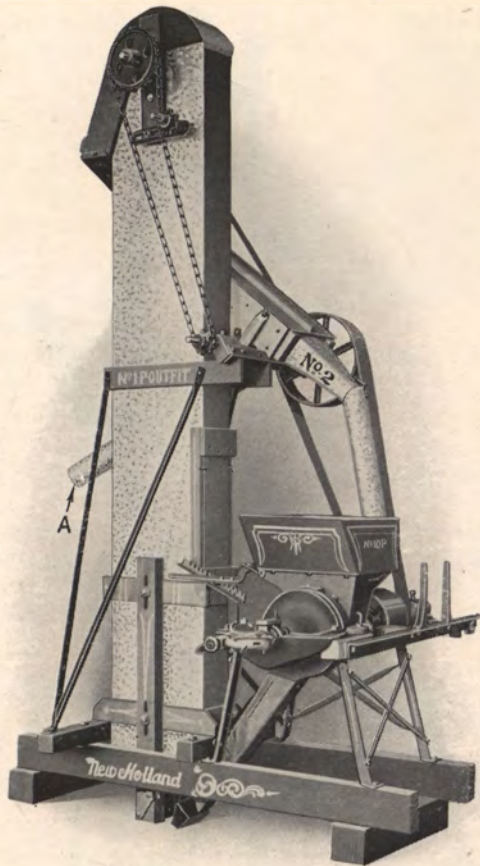
SECTIONAL VIEW OF NOS. 16 & 20P PULVERIZERS

Furnished with 26 or 35x8" face pulley.



NO. 14P PULVERIZER WITH OUTBOARD BEARING

The 14P Pulverizer has 14" disks and, when fitted with proper lug grinders and plates, is an ideal pulverizer for grinding burnt lime from the kiln fine in one operation without screening, strong enough to take care of any core or partly burnt stone. By using an encased elevator, the ground burnt lime can be elevated to a bin or other receptacle avoiding much unpleasantness from the dust. This mill is also used for grinding raw stone from $\frac{3}{4}$ " down to dust by using raw-stone plates, lugs, a jolt screen and return system.



NO. 10P PULVERIZER, VERTICAL ENCLOSED ELEVATOR,
JOLT SCREEN AND RETURN SYSTEM

Adapted to reduce limestone from $\frac{1}{2}$ " size down to meal for agricultural purposes or make water proofing for concrete.

After the stone is ground by the pulverizer, it passes up the elevator and over the jolt screen. Any oversize not passing through the screen is returned to the mill for further reduction.

A very economical way for farmers to get limestone meal when screenings are available which is true in some sections of the state, at certain times at a very low price.

This outfit requires from 10 to 20 H. P. and produces from one to two tons of finished product per hour.

The 10P Pulverizer can also be used in combination, for stationary use, with our Jaw Crushers to grind either burnt lime or raw stone.



NO. 14P PULVERIZER EQUIPPED FOR MAKING OYSTER SHELL GRIT

The No. 14P Pulverizer when fitted with oyster shell plates, elevator and jolt screen is a practical oyster shell mill that will make all grades of shell grit for all sizes of poultry with very little dust. It has a capacity up to three tons per hour with a 10 to 15 H. P. engine.

New Holland Portable
TYPE PULVERIZERS
are furnished in three
sizes: 609PT, 612PT
and 712PT, mounted on
all steel trucks, fitted
with tractor hitch only
or combination tractor
and team hitch.

All P. T. Outfits have
the Pulverizers mount-
ed on the crusher shaft
and use a scraper con-
veyor to carry the pro-
duct to and from the plate pulverizer.

For larger capacity, stationary outfits, the Pulverizers are
mounted on a 3" shaft, running in long, heavy, high-speed bear-
ings, mounted on a base.

Plate Pulverizers are suitable to grind very fine all non-gritty
material; for sand and silica Roll Crushers are better.

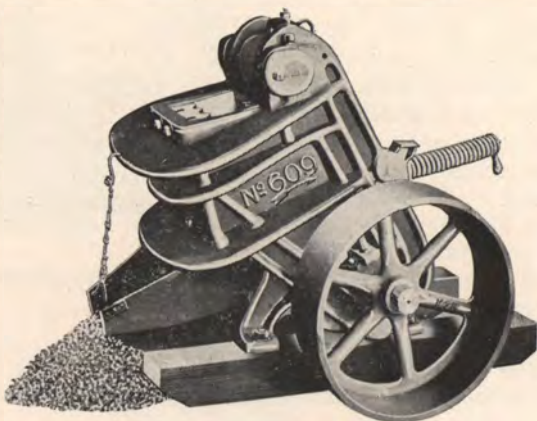


NO. 10P PULVERIZER SHOWING PARTS

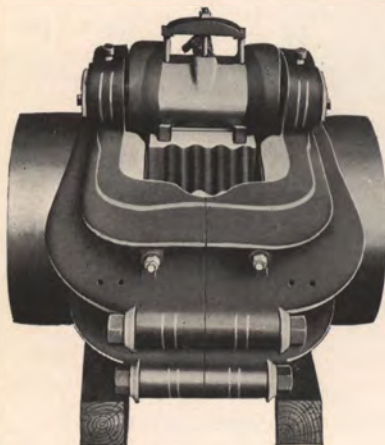
	609PT	612PT	712PT	10P	14P	16P	20P
Tons per hour stone meal	1 to 1¼	1 to 1½	1 to 2	1 to 1¼	1 to 1½	1 to 2	1 to 2½
Tons per hour burnt lime	2	3	4		3 to 6		
Tons per hour crushed rock	2 to 3	2 to 4	3 to 6				
Tons per hour oyster shells					2 to 3		
Revolutions per minute.	300	300	275	500	500	500	500
Size Pulley.....	26 or 35"	26 or 35"	26 or 35"	10-12	12-16	26-35	26-35
Size of Crusher.....	6x9"	6x12"	7x12"				
Size of Disk.....	16"	16"	20"	10"	14"	16"	20"
Weight on Sills...(lbs.)	3500	3700	4550				
Weight on Truck...(lbs.)				500	1025	800	900

Standard *New Holland* Jaw Rock Crusher

The *New Holland* Swing Jaw Rock Crusher is designed to crush all kinds of quarried rock or surface stone into any size from road ballast down to $\frac{3}{4}$ -inch grade among which there is a large portion very fine and some dust. These crushers are built in four different sizes and furnished on skids or trucks with, or without, roll crushers or plate pulverizers.



Jaw Crusher on Skids



Top View of Jaw Crusher

THE MAIN FRAME is made of Semi-Steel with heavy wide ribs running in direct line with the crushing strain and rigidly support the two main shaft bearings making it practically impossible for the outer ends of these long bearings to spring.

BEARING. The two main shaft bearings and the eccentric bearings are lined with heavy pressure bearing metal and are provided with Felt Oiling Pads to lubricate the shaft every revolution. Heated bearings are unknown in the *New Holland* whenever receiving ordinary oiling attention.

THE SWING ARM is a heavy long box constructed semi-steel casting. The power is applied to the lower end far below the jaws, thus giving the machine a long leverage and a direct motion to the jaws.

THE MAIN SHAFT is made of high carbon machinery steel turned and ground with a long eccentric between the two side bearings.

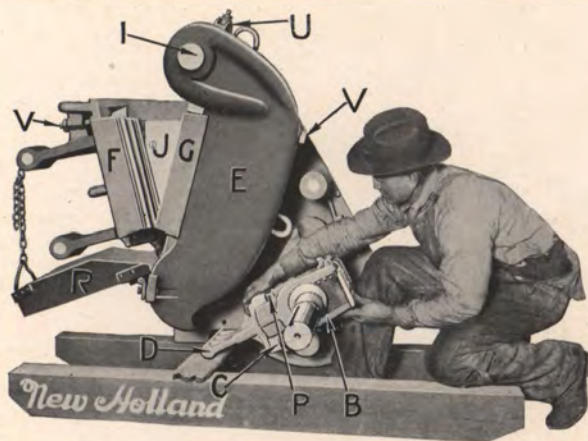
THE SWING ARM SPRING is attached to the arm "E" between the upper and lower bearings, holding the arm firmly against the bearings and always gives the movable jaw the full stroke of eccentric on the main shaft.

SAFETY TOGGLES. These toggles are made in different lengths. They are slightly curved and will buckle and break when a sledge hammer or other metal is dropped in the crusher.

TOGGLE SEAT LINERS are made in different thicknesses. They are placed between the toggle seat and eccentric bearing for making all grades from road ballast down to the finest grade by $\frac{1}{8}$ " variations.

THE TOGGLE SEAT rests against the center of the eccentric bearing and distributes the crushing pressure evenly over the entire length of the bearing.

THE JAWS are made with three different style ribs and in two different grades of metal; extra hard chilled and manganese steel. Both jaws, F & G, are alike, interchangeable and invertible, to wear down both ends. The hard chilled jaws are designed for crushing the average grade of rock; they are the lowest in price and always shipped unless otherwise ordered.



Sectional View of Jaw Crusher

- A—Main Shaft
- B—Eccentric Bearing
- C—Toggle Seat
- D—Safety Toggle
- E—Swing Arm
- F & G—Crusher Jaws
- H—Swing Arm Spring
- I—Swing Arm Shaft
- J—Cheek Plates
- P—Toggle Seat Liner
- R—Shaker Screen
- S—Felt Oiling Pad
- U—Wedges holding Shaft "I"
- V—Jaw Bolts

If interested in other size and style rock crushing and pulverizing machinery, write for full particulars and specify your probable requirements.

New Holland Recrushing and Pulverizing Rolls.

New Holland Plate Pulverizers.

New Holland Revolving Screens.

New Holland Elevators.

New Holland Jolt Sifters.

New Holland Portable Stone Bins.

Made in different sizes and different combinations to suit local conditions.

