



**Manufacturers of  
Bucyrus-Erie style  
Well Drills and Parts**

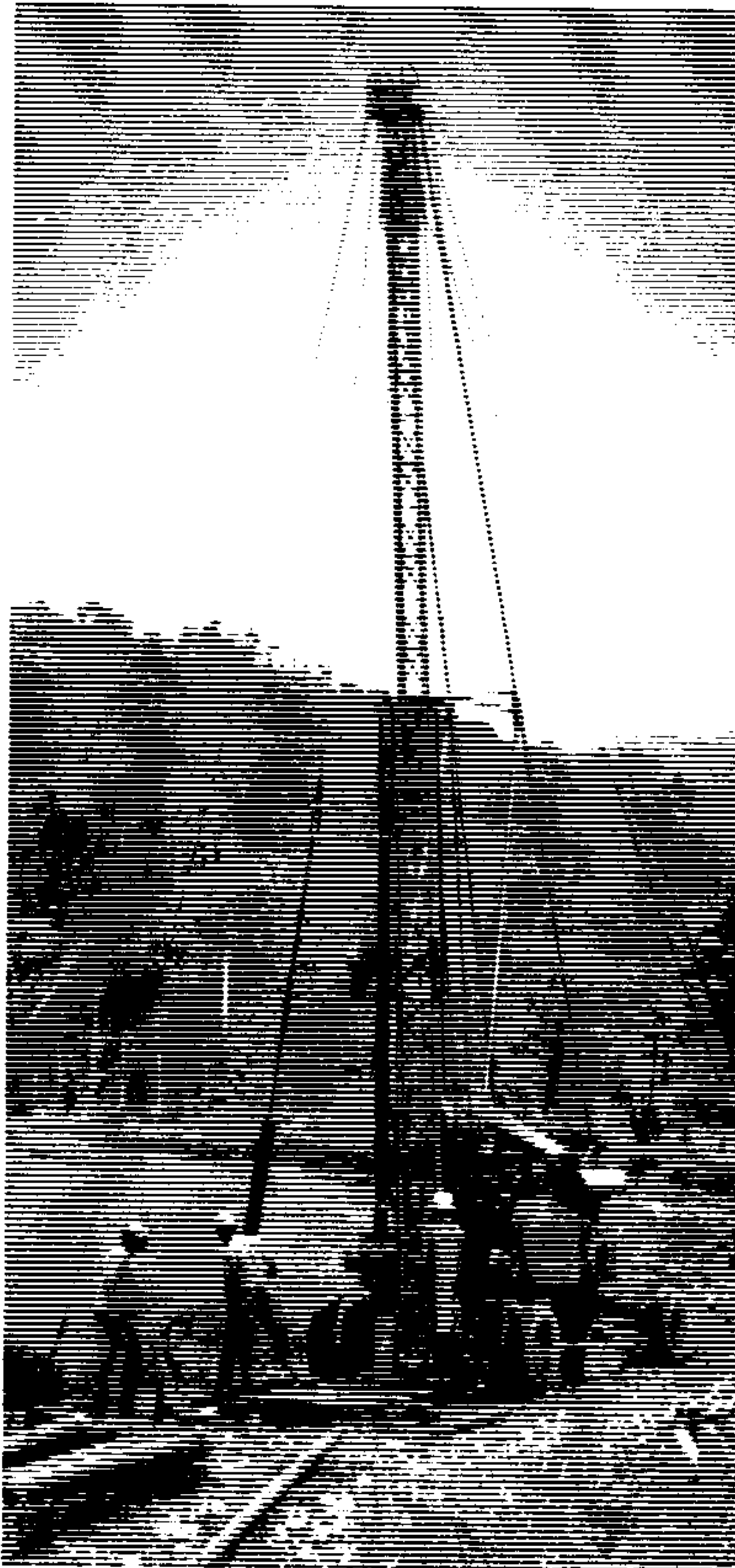
The 22-W from Buckeye Drill is a rugged, dependable, easy-to-operate medium-sized rig designed for water wells, shallow oil and gas wells, blast holes, seismographic work or prospecting.

Since first introduced to the well drilling industry, the Bucyrus-Erie style 22-W has been the first choice of thousands of drillers around the world.

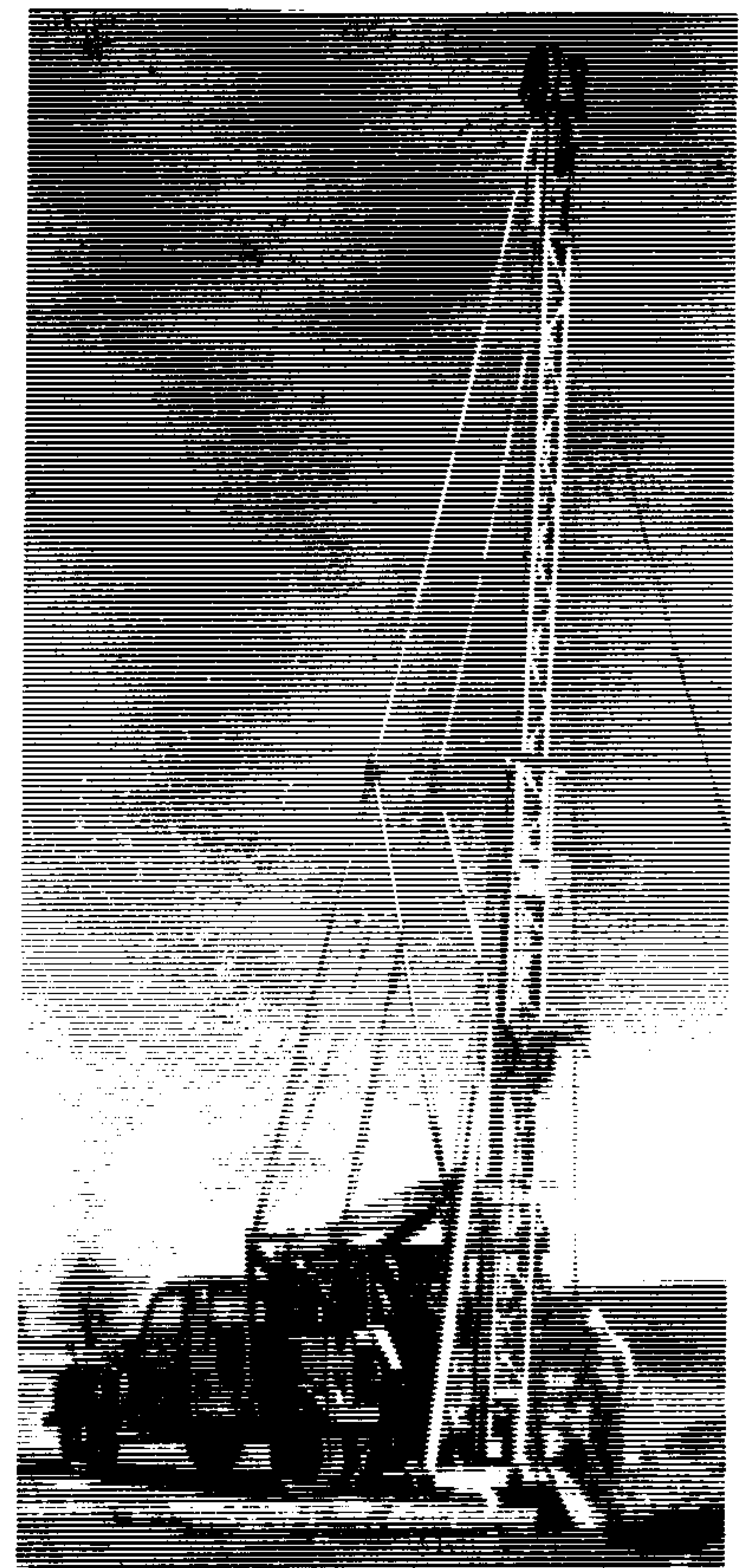
This compact, lightweight and highly mobile model drills holes from 16 inches (406 mm) to 5 inches (127 mm) in diameter to depths ranging from 150 feet (45.7 m) to 1,275 feet (388.6 m), and handle tool weights up to 2,450 pounds (1.111 kg).

Features of the 22-W include:

- **Fast Setup . . .** Folding brace design makes one-man setup easy for the 40-foot (12.2 m) telescoping derrick.
- **Hydraulic Jacks . . .** Self-leveling hydraulic jacks, sturdy enough to drill on, are available.
- **Hydraulic System . . .** Hydraulics powered by engine-mounted gear-type hydraulic pump.
- **Built-In Jackscrew . . .** Mounted at derrick foot, jackscrew transmits derrick load directly to the ground.
- **Counterweighted Spudding Gear . . .** Provides greater safety in operation.



- **Portability . . .** May be mounted on either truck, 1½-ton (1.361 kg) or larger, or semi-trailer.
- **Power Plant . . .** Powerful 4-cylinder gasoline engine delivers 50.7 net hp at 2,000 rpm.
- **Direct Drive Drilling.**
- **Hydraulic Oil Filter.**
- **Slack Line Holder.**
- **Replaceable Bronze Bushings.**



**Dimensions (unmounted):**

Length, derrick down: .....	26'10"	8.20 m
without derrick .....	11'4"	3.50 m
Width .....	5'11"	1.80 m
Height, derrick down .....	7'3"	2.20 m
Derrick .....	40'0"	12.2 m
<b>Weights:</b>		
Truck Mounting .....	8,400 lbs.	3.810 kg
Semi-Trailer Mounting .....	9,750 lbs.	4.423 kg

**Sheaves:**

Crown, cast steel, P.D., anti-friction .....	19"	482 mm
Sand, cast steel, P.D., anti-friction .....	13"	330 mm
Casing, cast steel, P.D., bronze bushed .....	17"	431 mm
Heel, semi-steel, P.D., bronze bushed .....	14"	355 mm
Beam, semi-steel, bronze bushed .....	14"	355 mm

**Bull Reel:**

Hoists up to 6,165 lbs. (2.796 kg)		
Maximum Hoisting Speed .....	509 fpm	179.8 mpm
Maximum Spooling, 1,275 ft. (388.6 m) of 5/8" (15 mm) line.		

**Friction-Driven Sand Reel:**

Will Spool up to 2,090 ft. (637 m) of 3/8" (9 mm) line.

<b>Average Hoist Speed</b> .....	850 fpm	259 mpm
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**Casing Reel:**

Pull up to .....	7,680 lbs.	3,484 kg
Maximum Hoisting Speed .....	275 fpm	83.8 mpm
Capacity 82 ft. (24.9 m) of 5/8" (15 mm) wire line.		

**Heat-Treated Jackshaft:** on anti-friction bearings, clutches are 8" (203 mm) double-plate disc-type.

**OPTIONAL**

**Casing Reel Traveling Block:** 5-ton, single 14" (355 mm) diameter block.

**OPTIONAL**

**Catheads:** Two 8" (203 mm) diameter, one on each side.

**Brakes:** Bull and Casing reels are equipped with external contracting band brakes. Shoe brake on Sand Reel.

It is the policy of Buckeye Drill Company to improve its products continually. The right is reserved to make changes in specifications or design which, in the opinion of this Company, are in accord with this policy, or which are necessitated by the unavailability of materials. The description herein is for the purpose of identifying the type of machine, and does not limit or extend the express warranty provisions in any contract of sale.

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