

**RUSTON —
BUCYRUS**

**IMPROVED
19-RB
UNIVERSAL
EXCAVATOR**

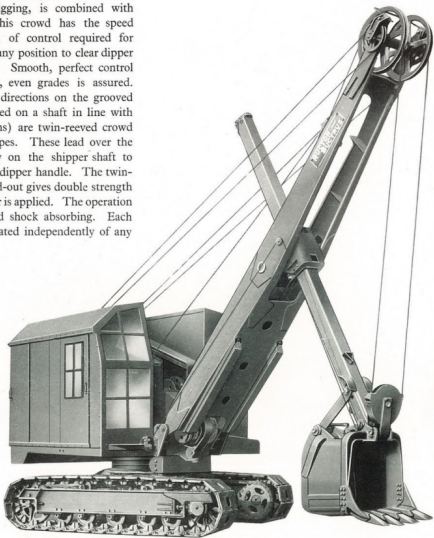


5/8

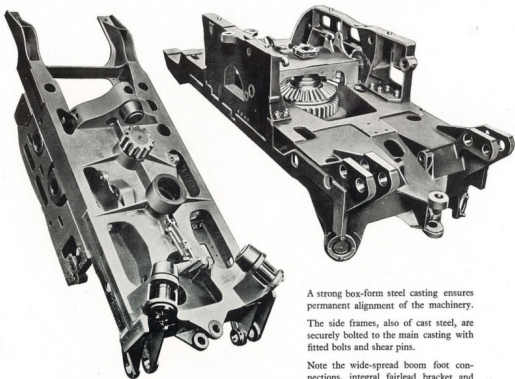
cubic yard

No simpler, more positive and practical crowd has ever been designed for a $\frac{3}{8}$ yard machine than the twin-rope crowd of the 19-RB. Full undivided engine power can be used. Even with loaded dipper thrust beyond the boom point, there is plenty of crowd power. With retract speed one-and-one-half times crowd-out speed, powerful crowding-out force needed for the heaviest digging, is combined with rapid retraction. This crowd has the speed and quick response of control required for vigorous shaking in any position to clear dipper of sticky material. Smooth, perfect control for cutting accurate, even grades is assured. Wound in opposite directions on the grooved crowd drum (mounted on a shaft in line with the boom-hinge pins) are twin-reeved crowd and single retract ropes. These lead over the triple-grooved pulley on the shipper shaft to opposite ends of the dipper handle. The twin-reeved rope for crowd-out gives double strength where the most power is applied. The operation is smooth, quiet, and shock absorbing. Each motion may be operated independently of any other function.

Positive Crowd **Shovel**



Revolving Frame

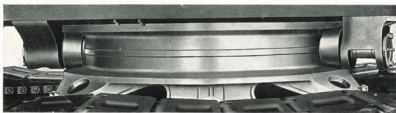


A strong box-form steel casting ensures permanent alignment of the machinery.

The side frames, also of cast steel, are securely bolted to the main casting with fitted bolts and shear pins.

Note the wide-spread boom foot connections, integral fairlead bracket and rear extension for the power unit.

"HOOK" ROLLERS



Conical "hook" rollers in conical roller path eliminate centre post and reduce digging loads. Rollers can be replaced without jacking up machine.