LINK-BELT SPEEDER

SHOVEL CRANES

The most advanced line of crawler and rubber-tired shovel-cranes with Speed-o-Matic power hydraulic control system.
Hydraulic digging hoe bucket gives
- Faster cycle time
- Wide range of dump heights
- Precise bucket control
- Hoe/crane boom convertibility
- Effective bucket angle during inhaul

The LS-78 hoe, equipped with hydraulic digging bucket, is designed for heavy-duty excavation. The machine’s inhaul drum horsepower is balanced with the hydraulic bucket horsepower. This permits changing the bucket angle hydraulically during arm/bucket inhaul. Results in more efficient use of available inhaul and bucket horsepower for faster bucket fill, greater versatility in the ditch, and wider range of dump heights.

Tractor-Type Lower Standard On The LS-78 Pipeliner

The hydraulic digging bucket is also available on the LS-73 pipeliner. Sprockets, idlers, and rollers sealed for permanent lubrication.
CONTROL — Bucket wrist action is controlled by lever (A) which actuates flexible push-pull cable inside housing (B). Cable controls main hydraulic valve.

HYDRAULIC BUCKET POWER — Oil flow is from the reservoir (1) into suction line (2), then gear-type pump (3). Pump is driven from the adaptors off engine clutch shaft. Pump discharge line (A) is to a single-spool control valve.

Brief Specifications — Working Ranges

- Digging depth, maximum: 21' 3"
- Digging depth, 10' level bottom: 20' 3"
- Depth of vertical wall: 17' 0"
- Horizontal reach: 34' 0"
- Ground clearance, beginning dump: 18' 6"
- Degree of bucket wrist action: 117°
- Cylinder bore: 5 1/2"
- Pump: 51 g.p.m. @ 2,000 p.s.i.