



MECHANICAL sand cutting has now permanently supplanted cutting by hand in hundreds of foundries. Periods of heavy production and labor scarcity first brought the sand cutting machine into general use, due to its exceptional time-and-labor-saving qualities. Today foundrymen who know the machine consider it of equal if not greater value for the improved quality, finish, weight, and tonnage of castings that always result from the superior texture of mechanically prepared molding sand.

The American Type K is the "Big Brother" of a family of three general types, each built in a variety of sizes, the choice of type and size depending upon the individual foundry conditions to be served. An engineer of this Company will call and determine this choice without cost or obligation to you. Type K is the most recent addition to the series, and is intended only for jobs of the heaviest class. It was first exhibited at the 1922 A.F.A. Convention in Rochester, since which the following well known foundries have purchased the Type K machine. Nearly all were already using the earlier and lighter types of "American" sand cutters.

Albion Malleable Iron Co., Albion, Mich. (2)
 American Malleables Co., Owosso, Mich.
 Belle City Malleable Iron Co., Racine, Wis. (2)
 Campbell, Wyant & Cannon Fdy. Co., Muskegon, Mich.
 Central Foundry Co., Holt, Ala.
 Chicago Malleable Castings Co., West Pullman, Ill.
 Erie Malleable Iron Co., Erie, Pa. (2)
 E. & T. Fairbanks & Co., St. Johnsbury, Vt.
 Falk Corporation, Milwaukee, Wis.
 Fort Pitt Malleable Iron Co., McKees Rocks, Pa. (2)
 Hart & Crouse Co., Utica, N. Y.
 Hunt Spiller Mfg. Corp., South Boston, Mass.
 International Harvester Co. (Deering Wks.), Chicago, Ill.

International Harvester Co. (McCormick Wks.), Chicago, Ill. (2)
 Lakeside Malleable Castings Co., Racine, Wis.
 Lakey Foundry & Machine Co., Muskegon, Mich.
 Lorain Steel Co., Johnstown, Pa.
 Muncie Foundry & Machine Co., Muncie, Ind.
 Nash Motors Co., Kenosha, Wis.
 National Malleable Castings Co., Cleveland, O.
 Northwestern Malleable Iron Co., Milwaukee, Wis. (2)
 Packard Motor Car Co., Detroit, Mich.
 Saginaw Malleable Iron Co., Saginaw, Mich.
 South Side Malleable Casting Co., Milwaukee, Wis. (2)
 United Shoe Machinery Co., Beverly, Mass.
 Western Malleables Co., Beaver Dam, Wis.
 Wilson Foundry & Machine Co., Pontiac, Mich.



*For big production use the "American" Sand Cutting Machine.
 It cuts, mixes, cools, and piles to perfection.*



"AMERICAN" TYPE K FOUNDRY SAND CUTTING MACHINE

HEAVY DUTY WIDE CUT
 BUILT LIKE A HIGH GRADE MOTOR TRUCK



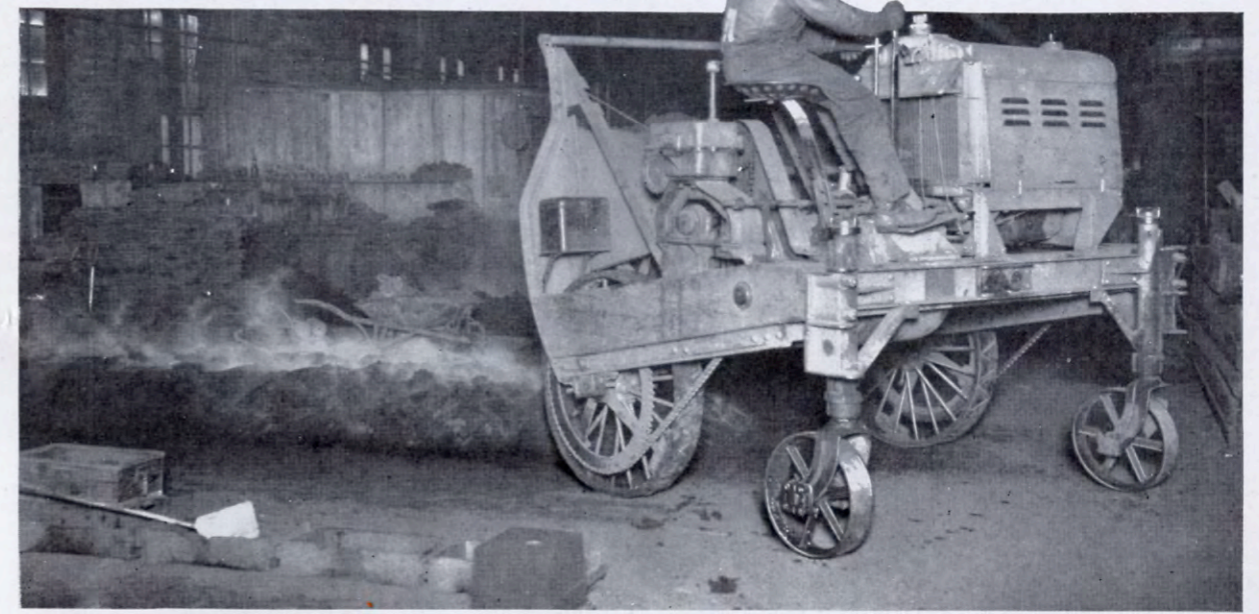
THE AMERICAN FOUNDRY EQUIPMENT CO.
 366 MADISON AVENUE NEW YORK, N. Y.
 Originators and Builders of Portable Sand Cutting Machines Since 1909

Capacity: Judge the capacity of a sand cutting machine by the width and depth of cut, not by the bulk of the machine. The American Type K is built in actual cutting widths of 5, 6, 7 and 8 feet; depth of cut, up to 3 feet.

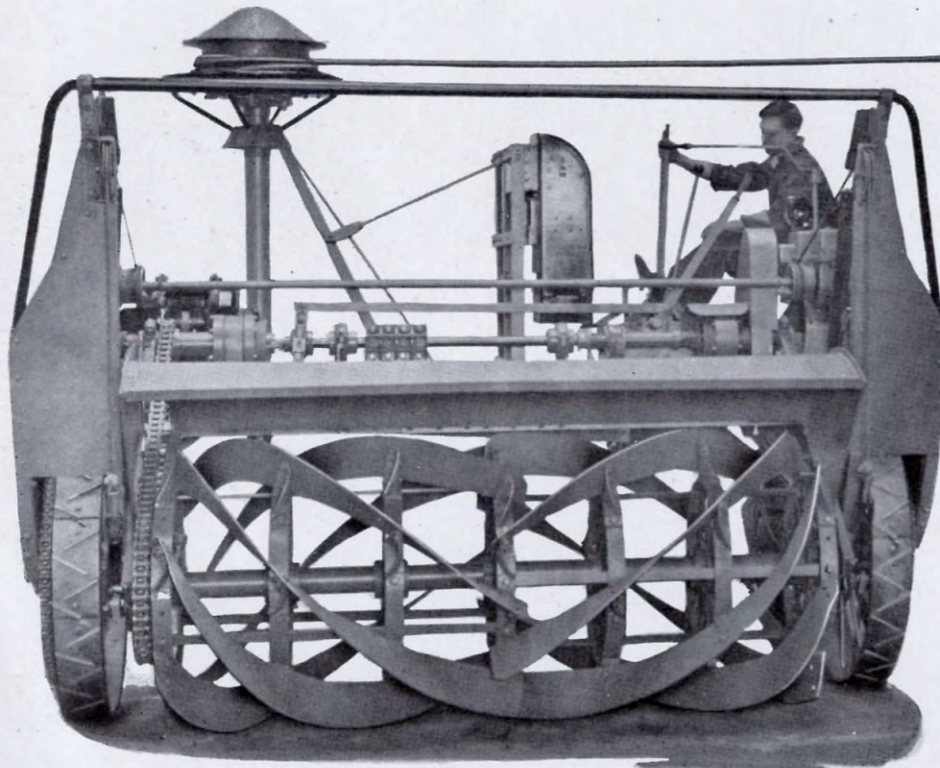
Speed: Windrow cutting, 30 feet per minute; piling, 60 feet per minute; gangway travel, 90 feet per minute. This machine completely cuts and piles a heavy 30-foot floor in 4 to 5 minutes, including approach and departure.

Thoroughness: Twelve specially formed steel blades cut the sand every quarter inch from top to floor, the entire width of the heap. Their action comprises slicing, beating, and tossing from side to side of the heap, producing a thorough blend and liberating heat and gases.

Width Sizes: Type K is built in four clearance widths between inner edges of traction wheels, namely, 6, 7, 8 and 9 feet. This width-clearance dimension is used to designate the size of machine.



Type K cutting and piling big double floors in a malleable shop. Gas engine drive.



Type K, 9-foot size, with electric drive and automatic cable reel. Cutting cylinder and shield lowered to cutting position. It cuts the full width and depth of the heap.

Construction Facts

Rugged frame of cast and structural steel with 3-point support.

Highest grade ball and roller bearings used throughout; all thoroughly dust proofed.

All gears and shafts of hardened steel.

Heavy cut-and-hardened transmission gears operate in enclosed oil bath.

Thorough lubrication to all wearing parts by Dot grease gun system.



Operating Facts

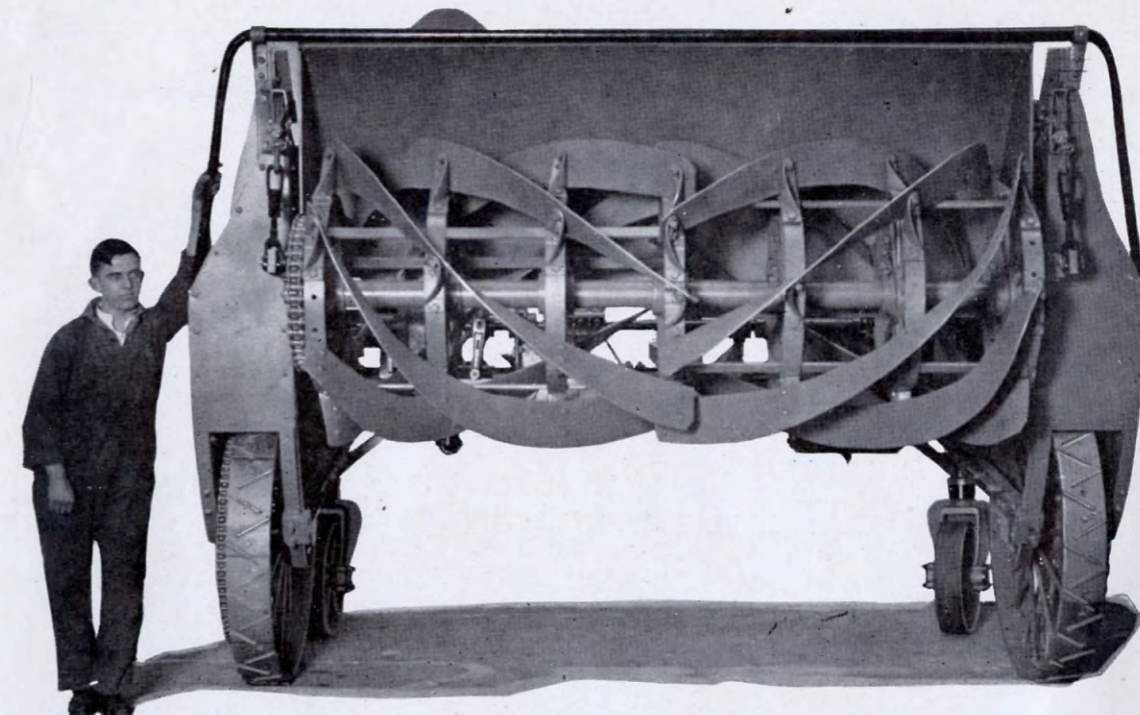
Power, 15 or 20 H. P., electric motor or gas engine.

Travels forward or reverse; three speeds.

Steers by independent application of power to either tractor wheel.

Cylinder hoists and lowers by power.

Easy to operate; turns in small radius.



The same machine with cutting cylinder in raised position as when straddling a heap or traveling through gangways.