

PERKINS MACHINE CO.,
WARREN, MASS MAY 1, 1946

Prices of Junior Presses

Prices of Junior Model E

Press on stand with single trip clutch and motor drive
less electrical equipment.

---\$142.80---

---\$136.80---

Press on stand with plain clutch and motor drive less the
electrical equipment.

---\$124.60---

All Junior E's have single trip.

Plain belt driven press on stand with single trip clutch.

---\$120.00---

---\$120.00---

Plain belt driven press with single trip clutch without stand.

---\$120.00---

---\$114.00---

Allowance for stand \$6.00

34K frame extra \$20.00

6" Gap frame " 30.00

18" frame extra 12.00

Back Gearing " 60.00

We will furnish whatever motors we have available at time of
shipment and charge list prices then in effect.

Model 1 A Press.

Model 2 A press

Plain press ---\$162.00

----\$198.00

"V" belt motor drive less the
electrical equipment-\$ 30.00

---- 36.00

Single trip clutch -- 18.00

---- 18.00

Extra for strokes up to and
including 2" -- 18.00

---- 18.00

Extra for Back Gearing 60.00

---- 102.00

No. 31 Model G Plain press with solid bed

----\$276.00

Motor drive arrangements

---- 30.00

No. 31 Model G Plain press with adjustable bed

---- 312.00

No. 10 Model M with motor drive arrangements

----\$900.00

No. 12 Model M with motor drive arrangements

----\$1380.00

No. 42 Model E with motor drive arrangements

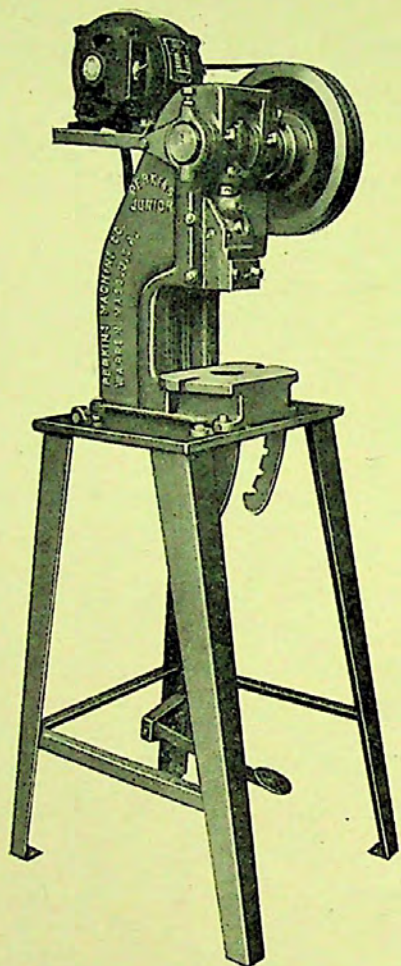
---- 373.00

PERKINS JUNIOR INCLINABLE PRESS

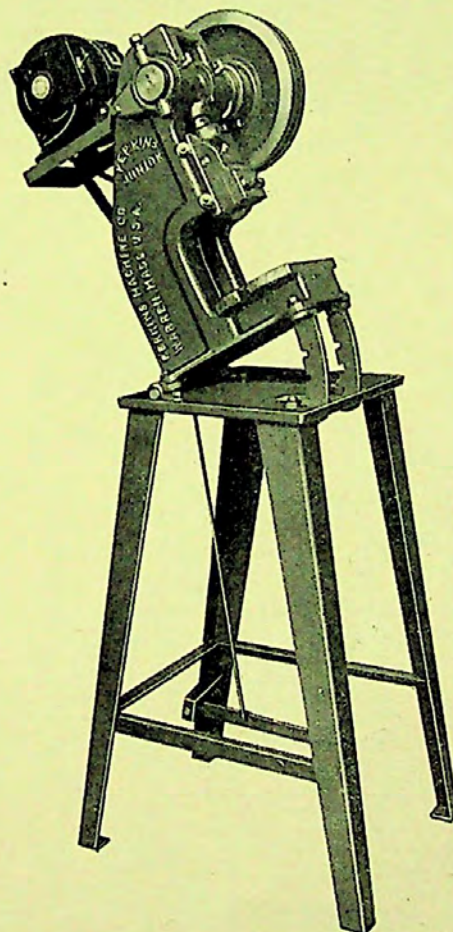
Built by

PERKINS MACHINE COMPANY

Warren, Massachusetts, U. S. A.



Standard motor driven Junior Press

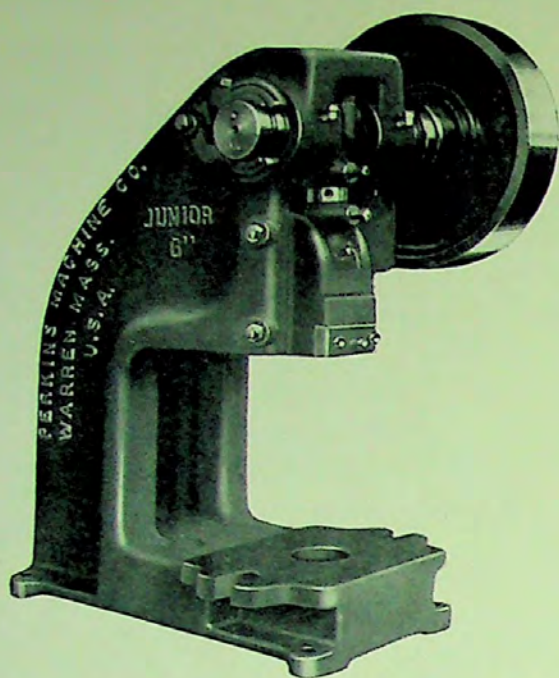


Standard motor driven Junior Press in inclined position

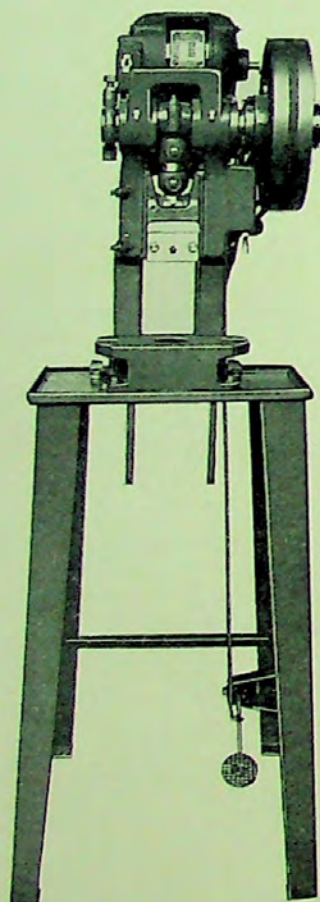
CAPACITY OF STANDARD PRESS

$\frac{1}{2}$ " diameter soft steel blank $\frac{1}{16}$ " thick at 300 rpm.

PRESS BUILDERS FOR FIFTY YEARS



Illustrating the Junior Press with special depth of throat of 6" and die space of 8".



Junior Standard Press

Specifications

Weight: Press with stand and regular motor drive skidded for shipment—230 lbs.

Stroke: Standard is $\frac{3}{4}$ ". Can also be furnished with 1" at no extra cost, or longer strokes up to 3" at extra cost.

Die Space: Standard is $4\frac{3}{4}$ " from bed to ways or 4" with stroke down and standard $\frac{3}{4}$ " stroke. Extra die space furnished at extra cost. Distance back from center 3". Special frames can be furnished to give up to 10" from center of piston to frame. Distance between housings $3\frac{1}{2}$ ".

Area of Bed: Front to back $5\frac{1}{2}$ " and 9" right to left. Hole in bed is 2" round.

Piston or Ram: Hole is 1" round. Equipped with cap front on all models. Adjustment of piston in standard press is 1".

Clutch: Sliding dog type with safety stop. Size of key $\frac{7}{16}$ " x $\frac{5}{8}$ ". All models equipped with single trip safety clutch. Set screw is removed for continuous running.

Flywheel: Diameter 10" with single "A" section groove for standard press. Two grooves when needed for roll feeds. Face of wheel 2". Weight approx. 25 lbs.

Speed: Standard speed 325 rpm. using $\frac{1}{4}$ H. P. 1725 rpm split phase motor. 110 Volt 60 cy. with cord and plug. Press can be operated up to 400 rpm with regular clutch and up to 1,000 rpm without clutch. Can also be furnished with 1140 rpm motor and 250 rpm speed.

Floor stand: Steel stand furnished with foot treadle attached. Distance floor to bed of press 32". Table top area 18" R. & L. and 13" F. to B. Floor space 19" R. to L. and 20" F. to B.

Incline: Press can be inclined in position of 15, 25 and 35 Degrees.

Motor: Standard motor furnished is $\frac{1}{4}$ H. P. split phase 110V 60 Cycle A. C. 1725 RPM. Capacitor motors available. Three phase motors and controls furnished. Also slower speed motors of 1140 rpm.

Gearing: For dial feed operation and special requirements where full pressure is required at slow speeds, we recommend back gearing the press.

Special Presses Available

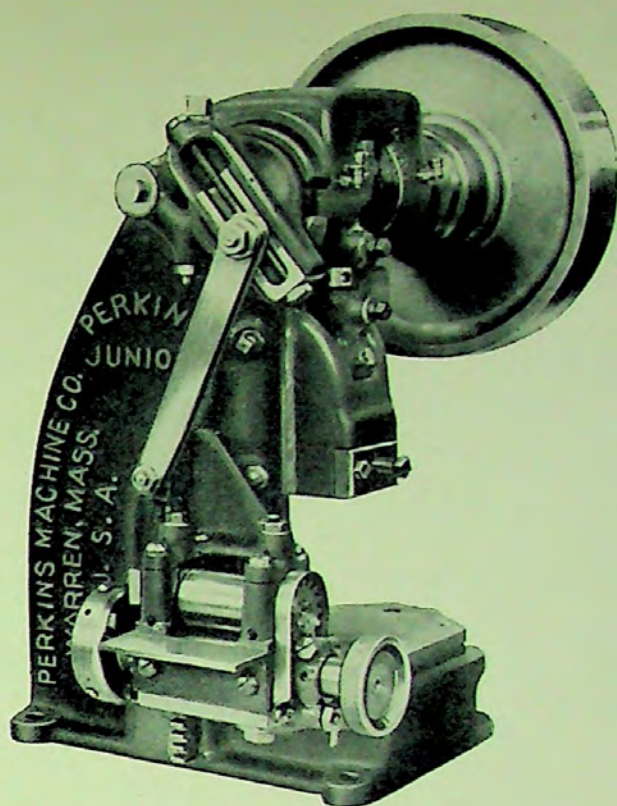
S frame press: 3" back from center. 6" bed to ways strokes up to 3". Frame can be raised to 10" bed to ways.

S4K frame press: 4" depth of throat. Right to left, knock out in piston. Strokes up to 3". Die space $6\frac{1}{2}$ " bed to ways. Can be raised to 10".

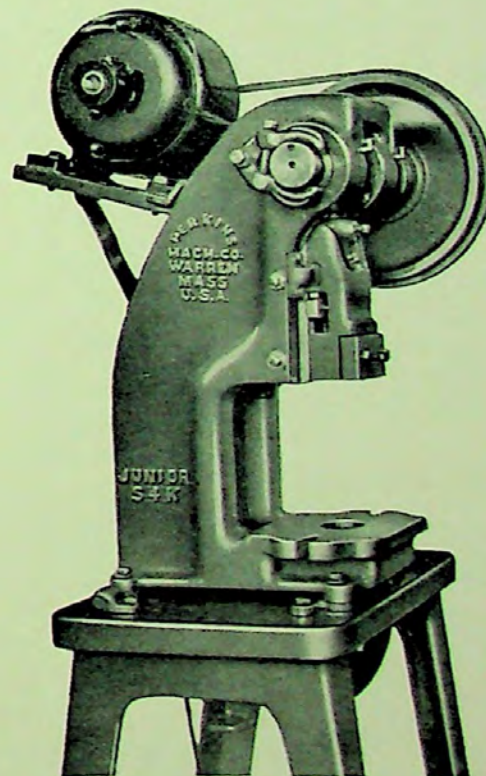
Junior 6" frame: 6" depth of throat or distance from center of piston to frame. $6\frac{1}{2}$ " from bed to ways or piston with stroke up. Can be raised to maximum of 12". Strokes up to 3".

Junior 10" frame: 10" depth of throat. Up to 10" bed to ways. Strokes up to 3".

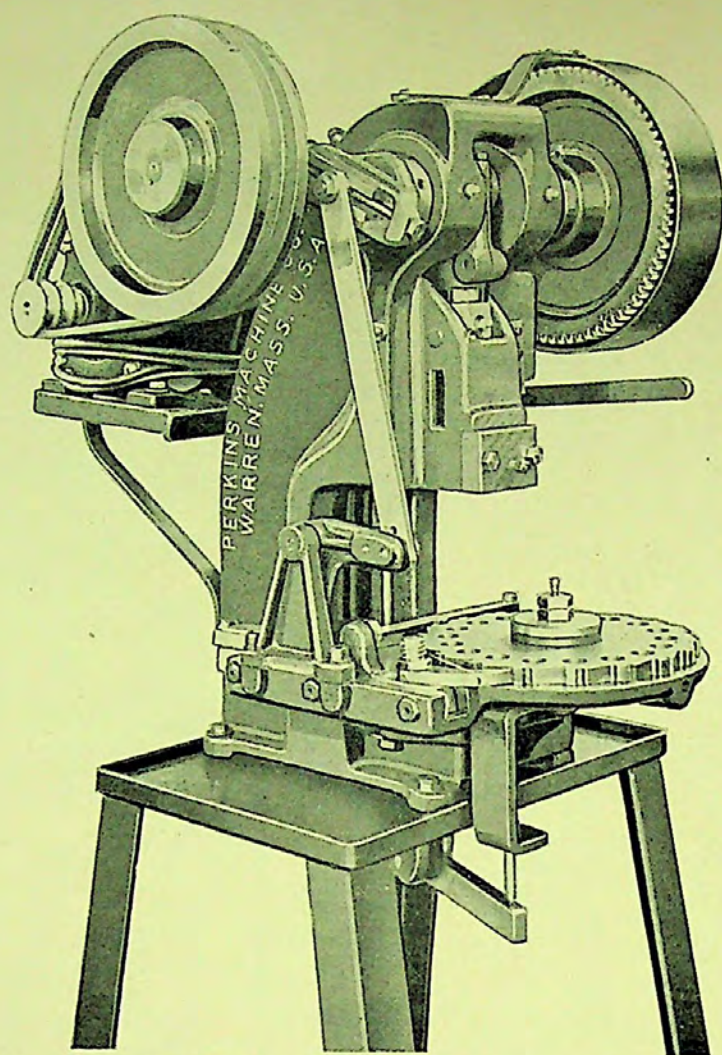
The standard Junior roll feed is made with ratchet and pawl type of drive. The rolls are $1\frac{1}{2}$ " diameter and 2" in width. Capable of feeding a length of $3\frac{3}{4}$ ". The distance from center of rolls to bolster plate is $1\frac{1}{4}$ ". The roll feed is mounted on a bolster plate and can be attached to the press without additional machine work to the press. The adjusting arm on the end of the crank shaft takes care of driving the rolls and provides adjustment of length of feed of from 0" to $3\frac{3}{4}$ ". If extreme accuracy is required we can furnish an overrunning type of drive at extra cost.



Illustrating Junior Press with roll feed.



Showing the Junior "S4K" Frame Press with knock out in piston. The knock out in piston is furnished with this frame press at small additional cost.



Illustrating the Junior "S4K" frame press back geared, with dial feed attachment.

THE DIAL FEED

The dial feed can be used for many kinds of operations and has become very popular. The press is back geared when a dial feed is used, to give full pressure at the operating speed of the dial. This is usually between 45 and 60 rpm. The dial plate can be notched for any number of stations from 7 to 20 or more. The diameter of the dial plate is 12" and is furnished $\frac{1}{2}$ " thick. Special plates can be furnished and all plates can be interchanged. The distance from the center of the dial to the center of the piston, or punch is $4\frac{1}{4}$ ". The dial base which supports the plate is $1\frac{1}{2}$ " thick. A mechanical ejector can be furnished to push pieces up out of the dial plate or to push pieces down through the plate. A positive stop is used to hold the dial plate in position while the work is performed.

We Also Manufacture

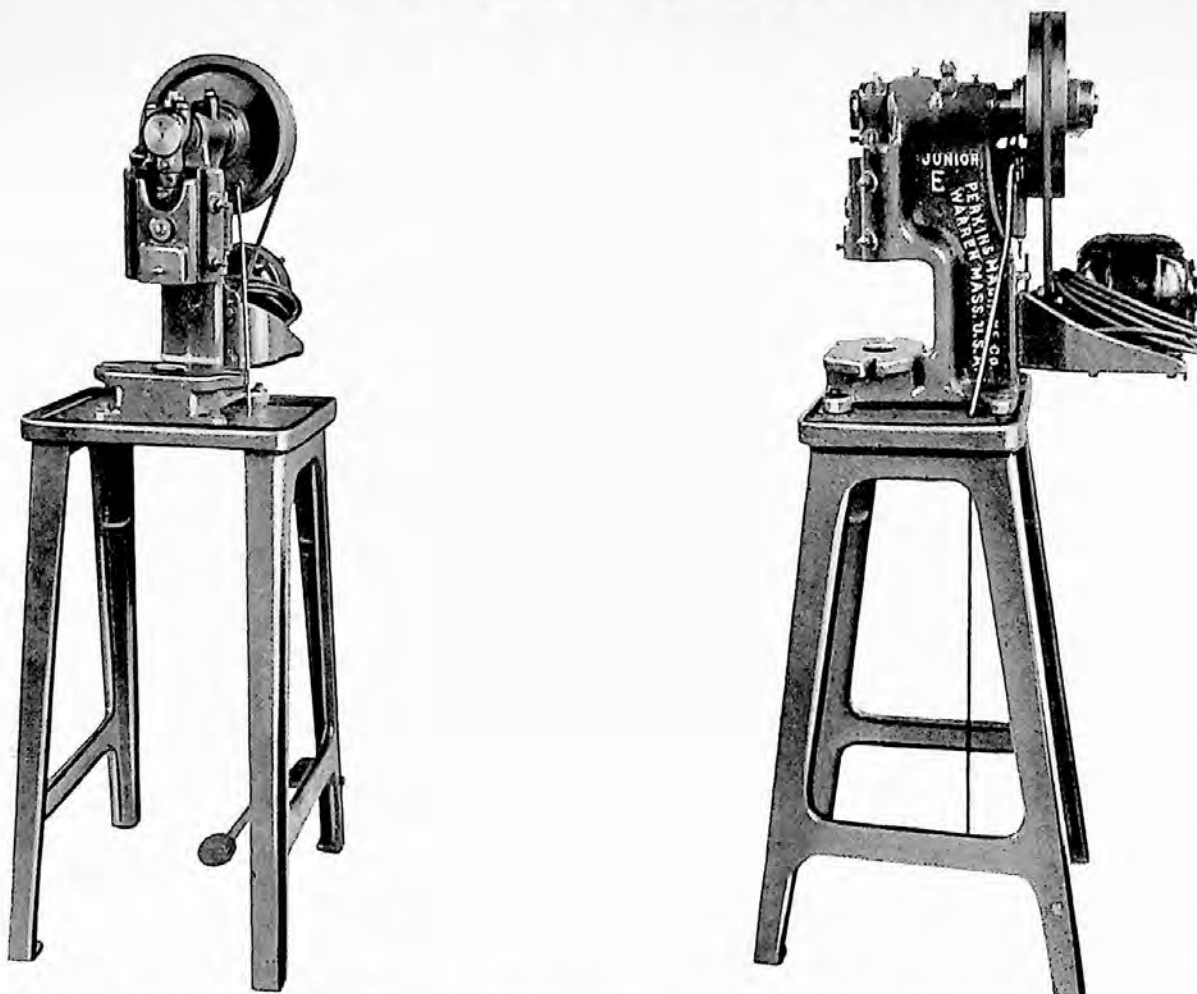
Blanking Presses with eccentric shaft Model A
Long Stroke Presses Model AA
Inclinable Presses Model B
Double Acting Presses Model DA
Wheel on Back Model E
Sprue Cutters Model F

Horn Presses Model G
Straight Side Built-up Frame Presses Model H
Solid Frame Forging Presses Model I
Toggle Presses Model J
Hand Screw Presses Model K
Foot Lever Presses Model L

SPECIAL PRESSES BUILT TO ORDER

Junior Model E Motor Driven Press

WITH WHEEL ON THE BACK



The Junior Model E is a small press of the same size and general specifications as the standard Junior press with the flywheel on the back instead of the side. Many prefer this type of press.

Standard Specifications

Stroke of standard press, 1" ($\frac{3}{4}$ " also furnished).
 Distance from bed to ways, 5".
 Distance back from center, 3".
 Hole in piston, $\frac{3}{4}$ ".
 Adjustment of piston, 1".
 Area of bed, front to back, $5\frac{1}{2}$ " and right to left, 9".
 Round hole in bed, 2".
 Diameter of flywheel, 10" x 2" wide.
 Weight of flywheel, 25 lbs.
 Table area front to back, 13" x 18", right to left.
 Treadle attached to stand is self-sustained.
 Clutch is of the sliding dog type with safety stop.
 Single trip attachment furnished at extra cost of \$15.00.
 Standard speed of press 325 rpm. Can be furnished at lower speed of 250 or higher speed of 400 rpm.
 Motor is $\frac{1}{4}$ H.P., 110 volt, 60 cycle a.c. split phase with switch cord and plug. Revolution 1750 rpm. "V" belt drive.

Prices

(Subject to change without notice)

Press on stand with motor drive and single trip clutch . . .	\$105.00
Press without stand, with motor drive and single trip . . .	100.00
Press on stand with motor drive and plain clutch . . .	90.00
Press without stand, with motor drive and plain clutch . . .	85.00
Press on stand, plain for belt drive with single trip . . .	85.00
Press without stand, for belt drive with single trip . . .	80.00
Press on stand, plain for belt drive with plain clutch . . .	70.00
Press without stand, plain for belt drive with plain clutch . . .	65.00
Allowance for motor if not wanted on motor driven presses . . .	6.00
Prices F.O.B. Warren, Mass.	
Weight of motor driven press on stand	240 lbs.
Weight of motor driven bench press	150 lbs.
Weight of plain press on stand	205 lbs.
Weight of plain bench press	115 lbs.

Inquire for extras such as bell guards, safely dual hand controls

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