

35 Rough, Tough Years...

Total Clutch Repairs \$50



INSTALLED 1940

Minster Press #50-6-162-2563—double crank, double geared, twin driven. Capacity 135 tons, length of stroke 8". Area of bed 34 1/2" x 162". Two speeds, either 20 or 27 strokes per minute.



INSTALLED 1940

Minster Press #50-5 1/2-72-2564—double crank, single geared. Capacity 113 tons, length of stroke 8". Area of bed 31" x 72", strokes per minute 37.

INSTALLED 1938

Minster Press #50-5 1/2-72-2216—double crank, single gear. Capacity 113 tons, length of strokes is 5". Area of bed 31" x 72". Strokes per minute, 37.



Minster Air Operated Combination Friction Clutch and Brake units set remarkable record at New Idea Division of Avco Manufacturing.

Here are the facts straight from Mr. D. F. Filter, master mechanic at the New Idea Division, Coldwater, Ohio.

"On our three oldest Minster presses, one installed in 1938, the others in 1940, I find the only maintenance we have spent on these clutches is \$50 for replacement of the air distribution tubes on our oldest Minster."

"We have additional Minster Presses equipped with the air clutches in our shop. However, they have been added in recent years and we have experienced no more difficulty than we have with the presses discussed above."

"Our jobs in the press room will average approximately 400 work strokes per hour for these double crank presses. Counting the amount of set-up, downtime, etc. we feel that 12 hours actual working time will be correct for a day. This amounts to 4800 strokes per day, 230 working days a year, 1,104,000 strokes per year, per press."

"During July, 1948 we converted 11 O.B.I. presses of another make to Minster air type clutch and brake units. To date we have experienced no maintenance on the clutches. Previous to that time we were spending \$6,000 a year, labor and material to keep the original clutches in operation. This was accomplished on an investment of \$17,000."

The next time the subject of press clutch design comes up remember this remarkable record. It is additional evidence to prove this statement . . . Minster's combination friction clutch and brake unit is the world's most trouble-free clutch design.

NOTE: Much of the work on the above presses has been blanking and punching re-rolled rail stock. This material, due to its many variations, presents considerable difficulties in working as well as heavy operational shock to the machine. The box type frame construction offers maximum vibration dampening qualities — a design feature pioneered by Minster.



This Minster air-operated combination friction clutch and brake unit on #50-5 1/2-72-2216 has operated 13 years. This clutch and the others on Minster Presses at New Idea have never been disassembled.

MINSTER
FIRST IN Press DESIGN

THE MINSTER MACHINE CO., MINSTER, OHIO