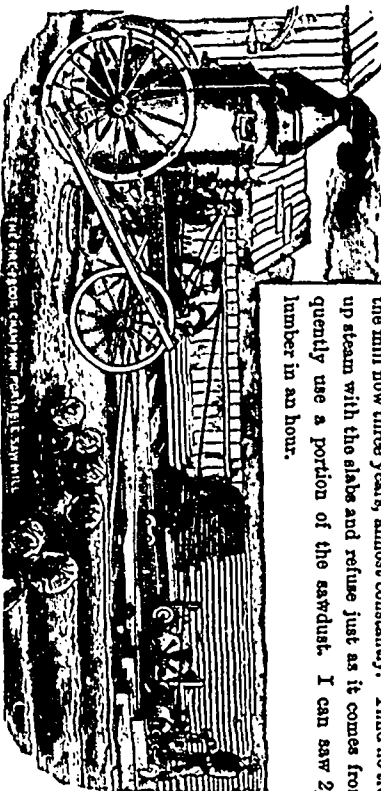


American Saw-mill Machinery, PORTABLE AND SEMI-PORTABLE Direct Action & Belted Saw-mills

CHAMPION PORTABLE SAW-MILLS

12, 16, and 20 H.-P.

GEORGE BOOK writes as follows:—"St. Ann's, Ont., July 27th, 1882:
I have just finished sawing with your 20-horse Champion Engine, and No. 3 mill before harvest. At the last place I set down, we cut 345,000 feet, mostly inch, 70,000 being oak, in nine weeks. We were just ten weeks from time we moved mill till we returned home with it. We sawed above without an accident or delay of any kind. I have run the mill now three years, almost constantly. I find no trouble in keeping up steam with the slabe and refuse just as it comes from saw and frequently use a portion of the sawdust. I can saw 2,000 feet 1-inch lumber in an hour.



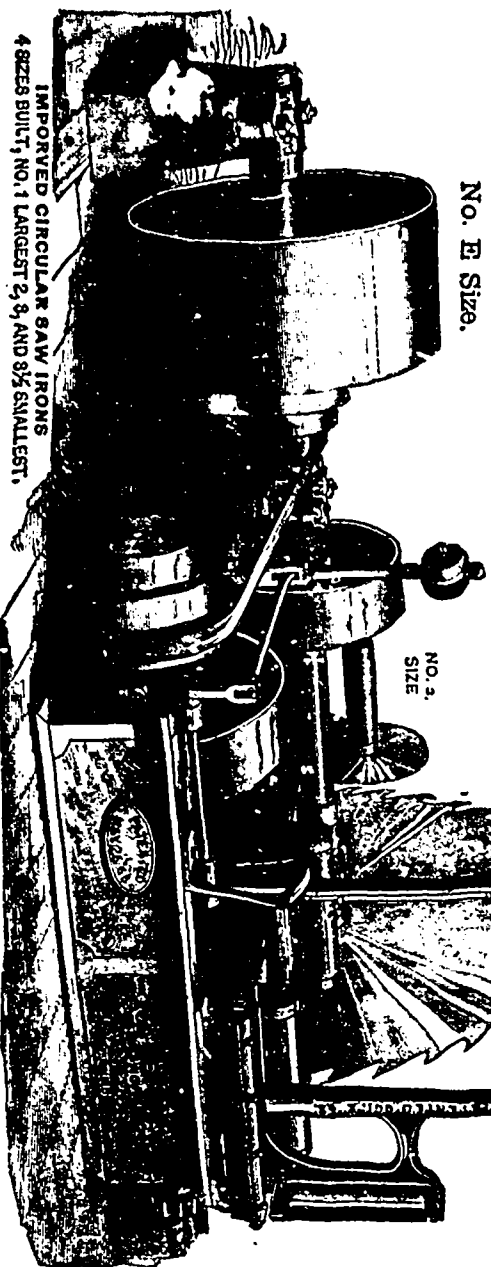
WATEROUS ENGINE WORKS CO., BRANTFORD, CANADA.

IMPROVED SAW FRAME.

Using 4 to 12 in. Face Frictions: Steel Mandrels; Reservoir Oil Boxes:—Donble Leather Belts, from 2 1/2 to 6 in. wide, takes 72 in. Saw feed and under.

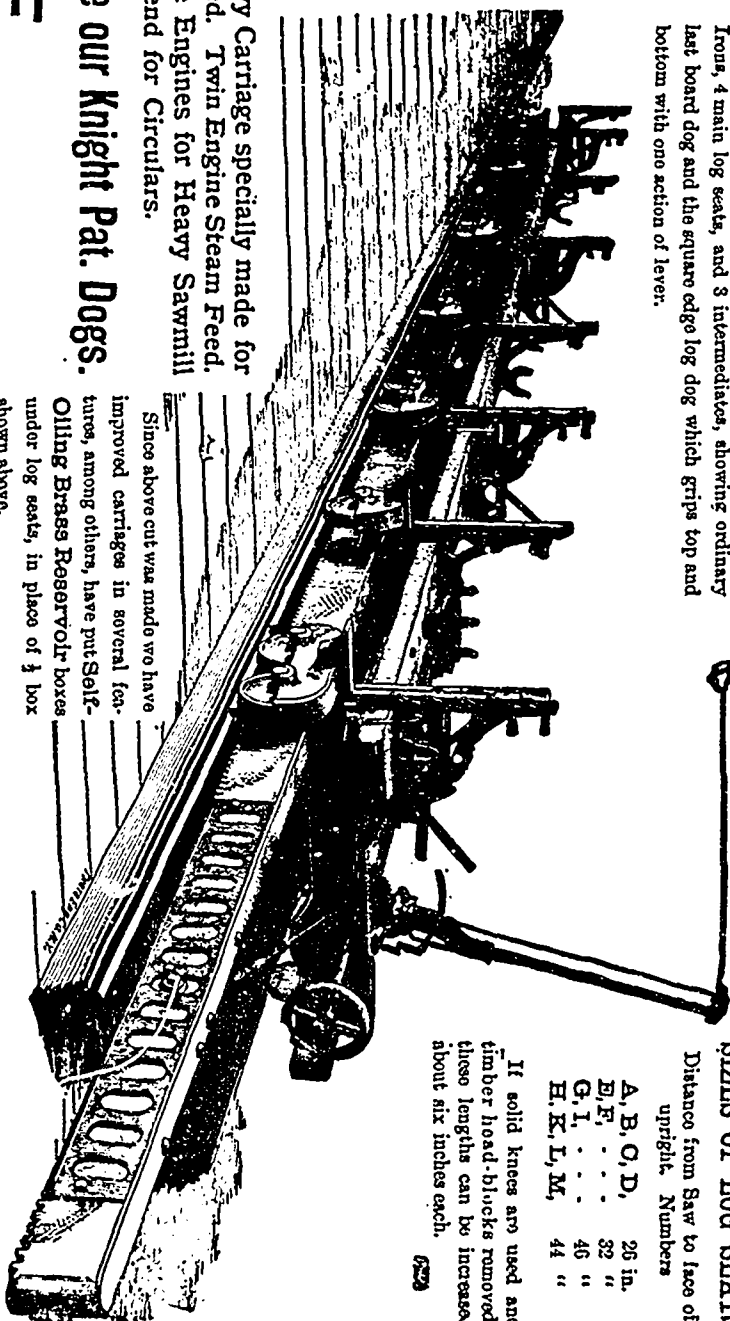
CARRIAGES to cut any length desired, for slabbing or stock purposes, ship-yards, etc., Katchef, or Gabley's Friction Set Works, Eagle Claw Dogs, Tiger Dogs, Recceding Attachment, and Special features.

NO. E SIZE.



IMPROVED CIRCULAR SAW IRONS
4 SIZES BUILT, NO. 1 LARGEST 2, 3, AND 3 1/2 SMALLEST.

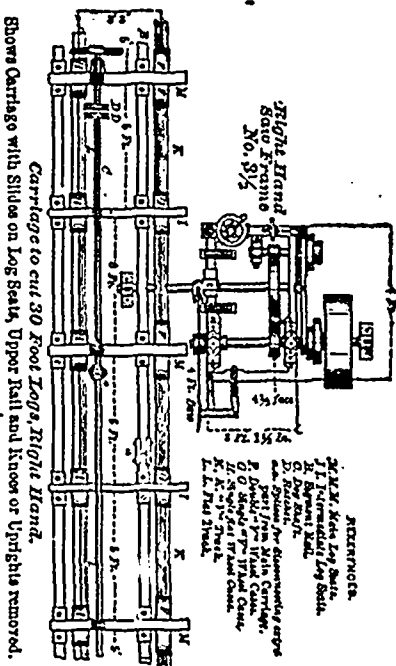
Represents Log Carriage to cut logs 40 ft. long. No. E Saw Irons, 4 main log seats, and 3 intermediates, showing ordinary last board dog and the square edge log dog which grips top and bottom with one action of lever.



Heavy Carriage specially made for Steam Feed. Twin Engine Steam Feed. New Style Engines for Heavy Sawmill Work. Send for Circulars.

Since above cut was made we have improved carriages in several features, among others, have put Self-Oiling Brass Reservoir boxes under log seats, in place of box shown above.

This view of our smallest Saw-Irons illustrates fairly all the eleven larger sizes that we make.



Carriages to cut 30 Foot Logs, Right Hand. Shows Carriage with Slides on Log Seats, Upper Fall and Knives or Uprights removed.

SIZES OF LOG SEATS

Distance from Saw to face of upright. Numbers

A, B, C, D,	26 in.
E, F,	32 "
G, I,	46 "
H, K, L, M,	44 "

If solid knees are used and timber head-blocks removed, these lengths can be increased about six inches each.

From 16 to 200 horse-power, and from a capacity of 2,000 to 80,000 feet per day of 10 hours.

By direct practical experience of over forty years in the lumber woods of Canada we have gained an intimate practical knowledge of what is necessary to produce a cheap, practical, efficient saw-mill, and have so built and improved our machinery that no mills can compare with them to-day in these respects.

Send for Prices and Illustrated Catalogue.

Send for Sawyers and Lumbermen Handbook. A new treatise on Saws and Saw-mill furnishings, just published. Free to all using Saws.

The Waterous Engine Works Company, Brantford, Canada.