# Montague Machine Co.

Turners Falls, Massachusetts

Knowledge shared from a variety of *available* newspaper publications: 1871 - 2003

\_ordered chronologically\_
ED GREGORY
2022

Articles presented here are exactly as the archetype newspapers published them. *However*, MicroSoft "Word" (program) incorporates an 'auto-correct' spelling utility that is stimulated as assured (MS Dictionary) entries are made. Words that have been influenced by the 'auto-correct' utility will be accepted accordingly. *e.g.* 

An ellipsis (. . .) —prior to, or following an entry—depicts an abbreviated or truncated version of a lengthy or mixed content article. It may also represent the most germane content in any article that is relevant to this compilation.

Montague machine Co.; 1908—

Copy format is reformed from multi-column, newspaper layout to a single column presentation for ease of reading.

700 + newspaper entries are referenced in the assembly of this document. *e.g.*Source: Old Fulton New York Post Cards (fultonhistory.com)

### Note:

Historical accounts must *not* be approximated. Historical revisionism distorts fact and serves no purpose for account accuracy. *e.g.* 

# Clark & Chapman Machine Company

Articles gleaned from the Turners Falls Reporter for the dates given.

# July 24, 1872

Directory of Corporations in Turners Falls (Only the title company is shown. e.g.)

## Clark and Chapman Machine Co.

A. S. Clark . . . . . President W. T. Davis . . . . . . Clerk

Sumner Chapman . . . . Superintendent

#### August 7

## Clark and Chapman Machine Co.

# September 18

### Local Matters

We spent an hour in the Clark & Chapman Machine Co's. shop, the other day, watching the operation of Taft's Patent Saw Sharpener and Gummer. It is the great labor and money-saving machine of the age, and will save ninety-eight percent, of files. It is said by mill men to be the best Saw Sharpener and Gummer in use, as it will gum and sharpen any kind of saws, and does not spring the saw. It saves power, by enabling the sawyer to always keep his saws always in proper shape, and does its work sooner and with less labor, than by any other process. Millmen who take an interest in their own welfare should give it an examination. The Company own the right of four states, and people may rely on being justly dealt with in business transactions with this corporation.

# September 25

-The Clark & Chapman Machine Co. are grading Avenue A in front of their works. They have filled in about 8 feet, and will make it still wider.

-The Turners Falls Lumber Co. at Riverside have contracted with the Clark & Chapman Machine Co. of this place, for one of Chapman's Improved Turbine Wheels, with graduating gate. This wheel has new principles about it, that are not found in any other wheel, as it will give as good a percentage of the water with a half-gate, as with a full one, in proportion to the water used. This has been claimed to be done by other water wheel manufacturers, but scientific tests have invariably proved it otherwise. Parties in want of wheels where great power is wanted, or where the economy of water is of value, will find it for their interest to examine this one. They are simple in their construction, and not liable to wear out, or come to need with repairs, like most of this class of wheels of other patterns.

#### October 16

The Turners Falls Lumber Co. are making arrangements for extensive alterations in and about their establishment. The Clark & Chapman Machine Co. are building a mammoth wheel for this concern.

#### October 30

The Clark & Chapman Machine Co. of this place are engaged on a lot of machinery for the Hoosac Quarry Co., recently started at Hoosac Tunnel, with a capital of \$500,000, and is intended to quarry and work up Soapstone and Marble. The company are removing from Grafton, Vt., to their works at Hoosac Tunnel all the fine machinery from what was Goodrich's Mills. It also is the work of the C. & C. Machine Co.

### February 19, 1873

#### Local Matters

The Clark & Chapman Company are busy refitting the machinery of the Turner's Falls Lumber Co., in many places substituting new for old. They are also at work upon the whole of the heavy line shafting. They have also a contract for a new flume wheel for Estey & Crosby's grist mill at Brattleboro, Vt.

### March 12

### Turners Falls: Its Past and Present (From the *Evening Star*)

The interest which is attached to our place as a manufacturing and mercantile center is by no means secondary to its historical importance. How seldom do we think, as we pass through our streets in pursuance of our daily avocations, that the ground we now occupy was once the favorite resort for the Red Man and the scene of the memorable battle in which Capt. Turner was killed, thus giving name to this place.

Almost within a stone's throw of our thrifty village we see the sandy knoll where were the bodies of slain Indians.

As we look on these beautiful hills surrounding us, or take a stroll along the river banks, how aptly are we reminded of the passage,

"There's music in the babbling brooks,

Sermons in stones, and good in everything."

Here in the sandstone rock we find evidence of animal life, existing thousands of years prior to man; here we find the fossilized fish, with every scale so perfect that it is easily discernible and even the more delicate and membraneous fins and tail quite distinct. Here again we find fossil tracks of mammoth birds, many of the tracks measuring several inches from toe to heel.

Aside from these features the geological formation of the country itself is peculiar. On the east side of the river there are several varieties of sandstone inclined at an angle varying from 40° to 50° to the south and east; while directly across the river an enormous dike may miles in length crops out. Almost a natural dam was also formed by the uplifted sandstone strata giving unsurpassed advantage for the utilization of the extensive water power.

Already several large manufacturing companies are in full operation. Among these are the Clark & Chapman Machine Company, which makes a specialty of water wheels and saw mill machinery; the Montague Paper Company, manufacturers of fine printing papers, with a daily production of 6 tons; Turners Falls Pulp Company, John Russell Manufacturing Company, whose cutlery is world renowned; the Keith Paper Company, manufacturers of fine papers, and the Turners Falls Lumber Company.

A large cotton mill will be built the coming season, and various other enterprises are contemplated.

### March 26

The Clark and Chapman Machine Co. are at work upon one of their large water wheels, to take the place of Angell wheel, for the Montague Mill. It is not uncomplimentary to our town to be able to chronicle the fact that for the past year wheels of both makes have been used side by side in this mill, and so far there has been neither trouble nor extra expertise with the Clark and Chapman wheel, while the other has been a serious source of trouble; hence the change. There are now two of C. & C.'s wheels in the mill, and the third is being made.

### April 16

The new wheel from the Clark & Chapman Machine shop was put into the Montague Mill at the first of the week.

# April 30

The large, new wheel of the Montague Mill, made by the Clark & Chapman Machine Co., is a perfect success. One of their wheels, only a four inch one at that, using a 3-inch stream is being successfully used to run the large press of the Greenfield *Times*. A still smaller one is to be made; and by and by we shall hear of the turbine wheel of the Clark & Chapman Manufacturing being used for running family sewing machines. It is a great big success.

## May 7

- -The Clark & Chapman Machine Co., have enough business to keep 50 hands busy.
- -The Turners Falls Lumber are putting three of Clark & Chapman's turbine wheels—two 43-inch and one 3 feet—into their saw mill. They have recently added two circular saw mills to their establishment, and can now saw timber 60 feet long.
- -The second wheel put into the Times office by Clark & Chapman uses only 19-64 of a square inch of water, and gives sufficient power.

# May 28

- -Clark & Chapman Machine Co. have an order for a 4-inch wheel for Wilbur F. Smith, South Hadley Falls. It will be placed under a 180 foot fall, and will drive a 6-inch saw and a 20-inch grist mill.
- -Clark and Chapman Machine Co.—This company held its annual meeting yesterday at the Farren House, and elected the following officers: A. S. Clark, President and Treasurer; Wendell T. Davis, Clerk; A. S. Clark, Alvah Crocker, B. N. Farren, W. T. Davis, Directors.

The reports of the directors announced the business of the company as being most prosperous, the machine shop and foundry being steadily employed to their utmost capacity, their take last year amounting to over sixty thousand dollars. The meeting adjourned till June 8th, at the same place.

# July 30

- -The Clark & Chapman Machine Co., have put a very neat, substantial iron railing around the bulkhead, and ladies can now walk out and get a fine view of the falls without fear.
- -The Turners Falls Lumber Company are about putting in a No. 2 J. E. Gillespie Rotary Pump, one of the kind manufactured by N. Upham & Son, Norwich, Conn. Its capacity is 2 1-2 gallons per revolution; it may be run from one to four hundred revolutions a minute, and its capacity is 500 gallons. It will have a safety valve. It will be placed in the east side of the mill, and in immediate connection will be a double hydrant, across the street and nearly opposite the store of

D. A. Wood & Son will be another double hydrant, capable of supplying water for two lines of hose for any reasonable distance. It will be arranged as to be worked either inside or outside the mill. A pipe will be run from the pump to the attic of the mill, to which will be a sprinkler attachment, made of gas pipe, the latter being deemed better than the Hall pipe form the reason that there is no solder to melt in case of delay in letting on water. 600 feet of New England linen hose and the Springfield Universal Coupling will be used. The estimated cost of the whole will be some \$1400, and, Mr. George Hance of our town will supply the whole order. The pumps will be attached to a Clark & Chapman wheel of 100 horse power.

# Montague Taxes for A. D. 1873

Clark & Chapman Machine Company \$420.00 (Only the title company is shown. e.g.)

# September 10

What is Turners Falls going to send to the Annual Exhibit of the Franklin Co. Agricultural Society? Clark & Chapman, the paper mills, cutlery, and our ladies ought to do something for the fair.

#### October 15

The Clark & Chapman Machine Co. are making the largest turbine wheel ever yet made by them, to be used in Holyoke.

### January 24, 1874

The Clark & Chapman Machine Co. have just completed a contract for a large lot of shafting, pulleys &c., for Messers. Newtons of Holyoke, to be used in the large Screw Manufacturing shop, which the latter have just completed. The Messers. Newtons are also using one of the C. & C. Machine Co.'s largest steel turbine wheels, which meets their most sanguine expectations in it workings.

### February 4

The Clark and Chapman Machine Company have made arrangements with P.E. Gillespie for the manufacture and sale of his Improved Fire Pump for the New England states. Mr. Gillespie moves his family to this place this week, and is to assist in making patterns and perfecting the pump.

# May 6

### Turners Falls (A portion; Clark & Chapman) is given here. e.g.)

This for a place but five years old is almost a wonder. The first grand feature of this town is the Connecticut river with its monster dam, affording probably the most reliable and extensive water power in the state if not in New England. There are already massive machine shops, run by Messrs. Clark & Chapman; pulp works—that of preparing wood for its manufacture into paper, George Hance superintendent and with whom we took a walk through the mills; very extensive paper mills, and probably the largest cutlery establishment in the world; all built of brick and stone, and all in successful operation . . .

### May 13

At the annual meeting of the Clark & Chapman Machine Company Thursday, A.S. Clark was chosen President and Treasurer. Directors - Alvah Crocker, B.N. Farren, W.T. Davis. W.T. Davis, Clerk.

#### June 3

Clark & Chapman shipped a splendid Coleman Patent Turbine wheel this morning, addressed to D.C. Walker, Fayettville, Vermont.

# August 26

Clark & Chapman have just put in a water-wheel and a circular saw mill for H.M. Fisk of Shelburne, and are just now shipping two wheels and a lot of mill work to Williamsburg. They have also several similar orders on hand.

### November 4

The Montague Paper Company have completed the three story addition to their mill, and are now putting in a turbine water-wheel from the Turners Falls manufactory of Clark & Chapman, and a pen stock four and a half feet in diameter. A portion of the front of the new building, which, by the way is intended for the finishing department, is being fitted up for a general office, 20x22 feet, to be handsomely finished, while adjoining is a private office, 18x18 feet. A true draw-bridge, 120 feet long is to span the canal in front of the new building, while a suspension foot bridge will connect the new office with the east side of the canal.

#### November 11

The Clark & Chapman Machine Company have reduced their pay toll 10 per cent.

### December 16

## Editorial Notes

We presume no man in Franklin County has taken a greater interest in the aboriginal history of Turners Falls than Dr. Roswell Field of Riverside, who for many years has been collecting every scrap of printed information on the subject which can be obtained.

That gentleman has very kindly placed all his books and papers bearing on the subject at the disposal of the editor of this paper, and in the course of a few weeks we have no doubt the **Reporter** will be in a position to give much interesting matter relative to the operations of our noble Red brother on these, his unhappy hunting grounds, some two or three hundred years ago.

In the meanwhile, we would deem it a great favor if any other persons in this vicinity who may be posted on the subject, would communicate the intelligence to us for the benefit of our readers.

The reader, who has never seen Turners Falls must not be led to believe that the engraving on our first page aims at anything beyond simply giving a view of the magnificent falls. The scenery everywhere about the falls is fully as grand as the view presented. The artist did not attempt to show any of the mills, excepting the Turners Falls Lumber Company's establishment on the left, as those acquainted with the scene will observe, nor does he convey to the eye of the stranger any idea of the existence of the smart little village of Riverside, which extends along the west bank of the river for nearly a mile.

In the view given, the Clark & Chapman Machine Shop, the Pulp Mill, the Montague Paper Mill, and a portion of the extensive John Russell Cutlery works should be visible, but the

cataract was all the artist made any pretensions to sketch. To the stranger it might not be out of place to say that the Connecticut River is over twelve hundred feet wide at the falls, and the water, varying in depth, according to the rains, from one to ten feet, has a fall of thirty-five feet, being nothing short of a pocket edition of Niagara.

Those who desire to visit Turners Falls at any time will find the Farren House, within a stone's throw of the falls, one of the most comfortably furnished hotels in the State, with a table as generously provided as any of the large city hotels, and all who are looking for suitable places to locate manufactories, of any kind should become familiar with the position in which Turners Falls stands.

# Turners Falls and Vicinity

- -They propose removing the Clark & Chapman wheel house.
- -The Clark & Chapman Machine Company have work enough on hand to keep them busy all winter. They are now putting in a \$2000 three-foot turbine wheel for the Montague Paper Company.

#### December 23

Clark & Chapman are making a circular saw mill for Long & Fisher of Northfield, and a 30-inch water wheel, circular saw mill and shafting for Levi Bradford of Williamsburg.

#### December 30

We have had a sensational mystery, which yet remains to be explained. Blood was discovered in large quantities, on Sunday, on the bulk-head, the sides of the Clark & Chapman Machine Shop, and on the ice at the brink of the fall.

Several hundred persons were attracted to the spot through curiosity, and an examination revealed several locks of clotted hair, supposed to be that of a human being. All sorts of conjectures were made as to the cause of the ghastly spectacle, some believing that "murder most foul: had been committed, (although no hens have been missed,) while many think that some fellow has been getting rid of his dog tax, and others that a cat has had her brains battered out on the sides of the building, and her body was sent end over end into the torrent below.

However, the mystery remains un explained, and there are as many people willing to believe that some poor fellow has had foul play, as there are to believe that Turners Falls is well rid of at least one superfluous dog.

### January 13, 1875

The Clark & Chapman Machine Company have been casting a great number of points for pile driving to be used by Mr. Farren on the Troy and Greenfield Railroad.

#### January 20

- -The Clark & Chapman Machine Company commenced running nine hours a day, instead of ten, this morning.
- -C.R. Stoughton & Co., have rented rooms and power from the Clark and Chapman Machine Co. and are manufacturing J.C. Fellows newly patented rag knife, jacket stretcher and improved graduated and extension form, articles to save time and labor in paper mills.

#### March 31

The Clark and Chapman Machine Company find business improving.

# May 12

The Clark and Chapman Machine Company have arranged for the manufacture of the Coleman Water Wheel another year.

# June 9

William J. Malley and G.E. Chapman, Saturday Evening, caught more than a bushel basket of very large suckers in the Clark and Chapman Company's wheel pit.

### June 16

The annual meetings of the Turners Falls Co., and the Farren Hotel Company, and the adjourned meeting of the Clark & Chapman Machine Company, will be held at the Farren House to-day.

# June 23

The Clark and Chapman Machine Company are building a large Coleman Wheel for Tucker & Cook of Conway.

### July 21

The Clark and Chapman Machine Co. are selling the Walter Wood mowing machines by the score this season.

# August 4

The County Commissioners have located the Turners Falls bridge. They have decided not to interfere with the buildings of the Clark and Chapman Machine Company, but a new portion of the office of the Montague Paper Co. will have to be demolished to make room for the terminus on this side.

The Commissioners advertise for proposals for an iron bridge of the whole length, or for an iron bridge from the Montague shore to Great Island and a wooden bridge of the Howe Truss pattern from the Great Island to the Gill shore. The bridge is to be completed by the first of May, 1877. Or at least the advertisement says so, but it seems as though \$42,000 will not be sufficient to construct the bridge and pay damages to the Montague Paper Company for the destruction of their office.

# September 1

The Clark and Chapman Machine Company are to manufacture the patent rotary pump recently invented by W.O. Crocker of this place.

### September 15

The Clark and Chapman Machine Company have replaced the old iron gearing on their driving shaft with wood and iron gears, doing away with the annoying clatter which was so plainly heard while the wheel was running nights and Sundays.

# September 29

- -The Clark and Chapman Machine Company have patrons in every part of New England.
- Mr. Clark of the Clark and Chapman Machine Company put in a claim for damages to land and water-wheel, placing the first at \$1000 and not being able to estimate the latter.

#### October 20

The Clark and Chapman Machine Company have just finished a 51 inch Coleman waterwheel for the Ludlow Manufacturing Company of Jacksonville, Vt. It is the largest water-wheel they have yet made.

# December 15

- -The Clark and Chapman Machine Company have just received orders for two of their large size rotary fire pumps to go to Connecticut.
- The Clark and Chapman Machine Company have just contracted to put in a 24-inch Coleman Turbine Water Wheel and flume and penstock for Loveland & [illegible] at south Vernon, Vt.. The whole to coast about \$600 and to be done by January 1st.

### December 22

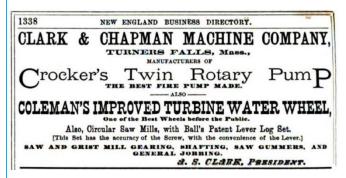
- The Clark and Chapman Machine Company are going to add brass founding to their works, and will shortly put in two "pots" in their foundry.
- -The Bridge Commissioners have put on exhibition at Engineer Stratton's office in the Mansion House, Greenfield, the proposed location of the new bridge here, though it has not been filed with the clerk of courts and admits of a possible change.

The new location will take off the northwest corner of Clark & Chapman's shop, cutting back ten feet on the north end, and running down 26 feet on the western side. This will necessitate the removal of two heavy lathes in the shop, but will not materially injure their facilities. The commissioners have also decided to carry the bridge entirely over the proposed full width of the canal, reserving the water-power company the right to widen the canal under the bridge.

This location does away with any angle on the northern shore, gives a better approach, does not go within a foot of the Montague Paper mill and gives better foundation for the piers on this side. The total length of the bridge will be about 1000 feet. Its width, 18 feet in the clear, with sidewalks five feet wide on each side, though over the canal there can be but one sidewalk. Its angle with Avenue A is about 30 degrees, it makes a slight angle on "Great Island," and enters the sidewalk at Riverside at about right angles.

The hearing to award damages has been appointed at the Farren House on the 29th, but will be adjourned until the following day, as all parties cannot be present.

1876 is unavailable. *e.g.* 



# June 6, 1877

-The Clark & Chapman Machine Company have a great deal of work on hand, and they are sending out of town for some of their old hands.

#### June 27

Crowded with work, the Clark & Chapman Machine Company are running their shops day and night.

8

# July 4

-The Clark & Chapman Machine Company are these days repairing a great many mowing machines.

-The Clark & Chapman Machine Company have constructed for the John Russell Cutlery Co. an extra heavy scroll wheel to take the place of the Reynolds wheel which recently gave out. The new wheel is forty-eight inches in diameter, has 28-inch buckets, and weighs 10,000 pounds, and was in operation just three weeks after the order was given. Although smaller than the wheel it replaced, the Clark & Chapman wheel gives much more power, and President Oakman of the Cutlery Co. is more than satisfied with the change.

### August 1

-The Montague Paper Co. have commenced to erect a building 135 by 35 feet on the upper side of the canal, for a saw mill, for their own convenience. The power will be transmitted from the main mill by wire belting. The machinery was made by the Clark & Chapman Machine Co.

-The Shawmut Manufacturing Co., of Boston have purchased the building on the bulkhead lately occupied by the Clark & Chapman Machine Company, and have engaged Mr. R.B. Campbell to raise it another story, work having been begun yesterday. This company manufactures imitation morocco, used for book covers, &c., and will be in operation as soon as it is possible to get the building in readiness for the machinery.

### August 29

The Clark & Chapman Machine Company are still pretty busy. They have been making several fire pumps of late, one for the new Crane Paper Mill at Dalton, which is being built by E.D. Jones of Pittsfield. They are also making several water wheels to order.

# September 12

- The Clark & Chapman Machine Company is doing considerable work for out-of-town parties. Tucker & Cook of Conway being one of its good customers, lately.

-There is work for every man in this vicinity now, at reasonable wages. The Keith, John Russell Cutlery, Montague Paper and Clark & Chapman Machine Companies are all doing a thriving business, and the store-keepers have no cause to complain.

### December 12

The Clark & Chapman Machine Co. have just made another Crocker pump for the May's Landing Water Power Co., of Philadelphia.

### April 10, 1878

The Clark & Chapman Machine Co. advertise the best mowing machines in the market. They also repair all kinds of mowing machines.

### May 29

-The Clark & Chapman Machine Co. are to make all the castings for the new bridge¹ at the ferry.

e.g

<sup>&</sup>lt;sup>1</sup> The Upper or "Red" Suspension Bridge (1878-1942) that will stitch Turners Falls with Riverside, Gill.

-The Clark & Chapman Machine Co. has begun to manufacture a patent reversible plow, the invention of a Windsor Locks man.

# August 7

-The Clark & Chapman Machine Co. are making a number of Syke's reversible plows, which are being sold to Franklin County farmers.

#### August 28

-The Clark & Chapman Machine Company are kept pretty busy with the iron work of the new bridge. The anchor plates weighed 2,500 pounds each, and the saddles fort the pillars will weigh 3,500.

-The Sykes reversible plow, which the Clark & Chapman Machine Company are making and have control of, is one of the most serviceable farmer's tools that has yet been invented. Strong, compact and simple, it does equally well on level land as on the side hill, turning neatly a sod fifteen inches wide to eight inched deep. The plow is reversed by a lever, and can be done by a boy.

### November 13

A.S. Clark, president of the Clark & Chapman Machine Co., has bought Chester Tyler's house on High Street, in this village, and will move from Greenfield next week. We are pleased to see such men take up their residence here, as every such move gives fresh hope of prosperity to the village.

#### November 27

Mr. Griswold has given the Clark & Chapman Machine Co. the contract to construct for his mill here, a 250 horse power Coleman water wheel, to be completed by the 1st of February. It will be run under a 25 foot head.

# December 4

The Clark & Chapman Machine Co. have a contract to furnish the shafting and other iron work, for the new Griswold mill. They are also making a medium size Crocker fire pump for Mr. Griswold.

#### February 19, 1879

Engineer Sprague, the Clark & Chapman Machine Co., Dorsey, the stone mason, and others, have sued the New York Bridge Company for balance due on account of services and materials for the new bridge. The company seems to be a weak concern.

#### May 28

Fire was discovered in the foundry building of the Clark & Chapman Machine Company, Friday morning, about 2 o'clock, and before the fire department could get the upper hand of the flames, the building was greatly damaged, and numerous patterns, flasks and figures were destroyed. Loss of about \$3,500.

The fire engine did excellent service, and prevented, possibly, a serious conflagration. The crowd that always gathers at a fire to grumble and find fault at the fire department may be interested in learning that only twenty five minutes elapsed from the time the first alarm was given until a stream of water was pouring over the flames.

Any one who fancies he can get out of bed, run to an engine house, haul the machine to the river, stretch the hose, and get up steam in less time, ought to get up a fire department on his own hook. The crown that always does the grumbling isn't the one that helps to put out a fire.

# June 4

The contract to rebuild Clark & Chapman Machine Company's foundry has been let to Hitchcock & Farnsworth, carpenters and builders.

### June 11

The Clark & Chapman Machine Company begin to mould in its foundry yesterday, while the carpenters are at work on the roof.

### June 18

The Clark & Chapman Machine Company are selling a large number of mowing machines this summer, which indicates that the farmers are prospering.

# June 25

-Hitchcock and Farnsworth have a new roof on the Clark & Chapman foundry building, and will finish the structure shortly.

-A fragment of iron which he was cutting in the Clark & Chapman Machine shop, Monday, flew into W. J. Malley's eye, cut the lid, and inflicted other injuries, although the sight of the eye may not be lost.

### July 16

The Clark & Chapman Machine Co., are driven with work occasioned by the recent sale of several Crocker fire pumps.

### August 27

The Clark & Chapman Machine Co., have this week had an order for two Crocker Fire Pumps, from a firm in Windsor, Vt.

# September 10

The Clark & Chapman Machine Co.'s business seems to be improving very rapidly this summer, much of the extra work coming from the sale of large numbers of Crocker fire pumps, the best twin rotary pump ever offered to the American public.

## October 1

The Clark Machine Company received a diploma for their reversible plow "Victory" at Greenfield, Last week.

#### October 22

The Clark Machine Co. of this village has a water wheel entered in the competitive test which is taking place at Holyoke.

#### October 29

The Clark Machine Company has just received an order from the Saco Water Co., at Biddeford, Me., for one of its largest size twin rotary pumps.

#### November 26

The Clark Machine Company has a contract for a three hundred horse power water wheel, with all the necessary shafting and gearing for the Turners Falls Paper Company.

# February 4, 1880

-The Clark Machine Co. are crowded with work, and the shops have been running night and day recently.

-Contractor James K. Ryan has begun to grade for the new railroad near the Clark Machine Co.'s works, so as to lay a track to fill up the low lands above the dam.

# January 5, 1881

The Clark & Heald Machine Company recently re-organized, is another cause of prosperity. They employ many persons, and there is every prospect that their business will increase very fast.

Note: First mention of **Clark & Heald** as a re-organized entity. *e.g.* 

### January 19

Last week the Clark & Heald Machine Company made the largest casting that gas ever been turned out of a foundry in these parts. P.M. Dunn, who had charge of the foundry, is given considerable praise by his fellow workmen for his management of the work.

# February 9

The Clark & Heald Machine Co. are to furnish the Hills Mfg. Co. of Amherst, a forty inch None Such water wheel.

# May 11

P.M. Dunn, who has had charge of the Clark & Heald Machine Co., for some time goes to Brattleboro to take a position.

# May 25

-The Clark & Heald Machine company make an excellent reversible plow which they offer the farmers this summer, together with numerous other agricultural implements.

-The Clark and Heald Machine Co. are building a "None-Such" water wheel for the Montague Paper Co., and another for the J. Russell Cutlery Co., of this place. They have also just sold one of their twin pumps to go to North Carolina.

# June 15

Clark & Heald Machine Company are just now shipping a water wheel to Guatamala.

#### July 6

The Clark & Heald Machine Co. are mending a large number of agricultural implements this summer.

## July 20

The Clark & Heald Machine Company have just shipped two of their celebrated pumps to Richmond, Va.

# September 21

A.S. Clark just patented a valuable improvement to rotary pumps.

#### October 26

A.S. Clark has made an improvement on fire pumps that surpass every thing heretofore devised. Instead of adjustable blocks over the rotary pistons, which had faults, he has devised a plan to make the case readily adjustable, so that the slightest wear may be "taken up" at any time, and there is no liability of the pump freezing and bursting.

### November 16

### Death of a Worthy Young Business Man.

H.N. Heald of the Clark & Heald Machine Company, was taken suddenly sick on Wednesday last, with pneumonia, and the disease giving way to cerebro-spinalmeningitis, on Thursday he died.

He was a member of the Masonic order. Mr. Heald came here from Barre about a year ago, and formed a partnership with A.S. Clark to carry on the machine shop and foundry, and the firm has been very successful. Mr. Heald was a hard working mechanic and a good man to have in the village.

He leaves a wife and three small children to mourn the loss of a n affectionate father and husband.

# January 11, 1882

The Clark & Heald Machine Company have lately shipped one of their Nonesuch" turbine wheels to Mobile, Alabama.

#### February 15

A.O. Wyman and Warren Burnham have bought the interest of then late Henry N. Heald, in the Clark & Heald Machine Co. The new company commenced business last February 1st, under the firm mane of Clark Machine Company, and will continue the manufacture of water wheels, fire pumps, and do a general jobbing business as heretofore. Mr. Wyman will have charge of the foundry, pattern shop and pump works, and Mr. Burnham will supervise the machine shop.

# April 26

The Clark Machine Co. advertises the famous Walter Wood Mower, a machine that is a great favorite of the county.

#### May 10

The Clark Machine Co. are now shipping another of their large size fire pumps, with friction gearing and other fixtures to parties in Maine.

# June 7

The Clark Machine Co. has lately furnished the Wiley & Russell Manufacturing Company of Greenfield, one of their latest improved fire pumps, and after thorough trial of the same, all parties are pleased to know that the pump not only works admirably every day, but does more than promised.

#### October 25

The Clark Machine Company have just shipped two of their large sized, latest improved, fire pumps and friction gearing to run the same, to the Sanford Mills, Sanford, Maine.

### November 29

The Clark Machine Co. make cast iron sled shoes of a superior kind.

### December 6

The Clark Machine Co. manufacture an improved corn and cob cracker in large numbers.

# January 3, 1883

# Important Real Estate Transaction

The Clark & Chapman Machine Co. has sold to the Turners Falls Co. its real estate and fixtures for \$13,500. This trade is made in the interest of both parties, and does not in any way change the business of the Clark Machine Co.

# January 31

-The Clark Machine Company find their sale of fire pumps and water-wheels increasing quite rapidly.

-The Clark Machine Co. have just made a first-class turbine water wheel for T. Scott & Son of Rowe, who have been using an overshot.

# February 28

The Clark Machine Company has just shipped one of their large size fire pumps, with friction gearing to run the same, to Cascade Woolen Mills, West Waterville, Maine. They are also putting in one of their water wheels for a man in Rowe, and have several orders for several others.

### March 21

The Clark Machine Co. are to furnish the Pearl Paper Co., South Hadley, with two "Nonesuch" turbine pumps.

### April 24

The Clark Machine Co. are to make the Turners Falls Lumber Co. one of their large size Nonesuch turbine wheels as soon as possible. They are also making one of their largest size fire pumps, with friction gearing to run the same, for a manufacturing company near Lowell.

### **May 16**

The Clark Machine Co. have sent one of their well known water wheels to E.S. Snow, at Belchertown.

# May 30

Farmers in want of mowers, rakes and hay tedders would do well to visit the Clark Machine Company.

### July 18

The Clark Machine Company has just finished C.G. Sargent & Sons, Graniteville, one of the largest size fire pumps with friction gearing to run the same; and is now making one of the

largest size pumps for the Albion Paper Company, Holyoke, also one for the Robertson Brothers, Hinsdale, N.H.

#### October 24

The Clark Machine Company has lately furnished water wheels to Myron Maynard of Leverett, W.E. Ford of Ashfield, B.D. Allen, Sterling, Chas. G. Allen, Barre, Mass. They have several orders on hand.

### November 28

The Clark Machine Company besides making some of the best water wheels in the market, turn out the most satisfactory fire pump ever invented, and their circular saw mills have been much liked by lumbermen for a great many years. Their cast iron sled shoes are superior to anything ever made.

### April 23, 1884

The Clark Machine Company are making two large wrought iron doors for the Northampton jail and house of correction.

### April 30

The Clark Machine Co. are now putting in a fire pump for the Millers Falls Company.

### May 14

The Clark Machine Company has sold the Turners Falls Lumber Company a new fire pump, with friction gearing to run the same.

# May 21

### To The Public

I hereby inform the public that the sale of the Nonesuch Pump by the Clark Machine Co. to the Turners Falls Lumber Company was made on the reputation of "The Crocker Pump." Learning of this I made the following propositions to the lumber company.

- 1st. To submit the two pumps to competitive examination before a board of mechanical or insurance experts.
  - 2. To run my pump under full gate and unlimited pressure.
- 3. To run my pump 5 hours under reasonable pressure with the outside or auxiliary gears removed.

The Clark Machine Co. refused to submit their pump to the above tests although having received the order by representing their pumps as the Crocker Pump improved.

W.O. Crocker.

# **May 28**

The fire pump made by the Clark Machine Co., for the Turners Falls Lumber Co. has been placed in position and a partial trial given it on Saturday last.

### July 9

-A.S. Clark has lately had tested at Holyoke one of his improved Turbine Wheels, and it not only gave a very much higher per cent of power on a partial gate, but gives three per cent more on full gate than what has been known as the Crocker Wheel. The improvement is furthermore

important, as it dispenses entirely with the wings that are attached to the gate, and always troublesome, as used on the Crocker and Hercules wheels.

### September 24

-Fire was discovered last night at 12 in the foundry of the Clark Machine Company, and an alarm was sounded, which brought out the firemen with the engine, and hooks and ladders. Being discovered, however, so soon, the fire made no headway and was extinguished before \$25 worth of damage was done. Policeman Morrison made the discovery.

### October 1

The Clark Machine Co., will be the next to join the telephone exchange.

#### December 17

The Clark Machine Company are now making one of its largest sized fire pumps for the John Russell Cutlery Co.

-The Clark Machine Company will have on exhibition at the World's fair at New Orleans one of its largest rotary pumps.

-The Clark Machine Company has sold to H.D. Watson of Greenfield for use in the tool works there, a large sized circular saw-mill.

#### December 24

The Clark Machine Co. are making two rotary pumps for the Newton Paper Co. of Holvoke.

-The Clark Machine Co. are fitting up to do any sand and loam moulding and to make paper machine cylinders and similar castings.

#### April 8, 1885

Frank Severance has begun to serve an apprenticeship at the machinist trade with the Clark Machine Company.



Men at the Clark Machine Company. c.1885

e.g.

# April 15

The Clark Machine Company has just made a large water wheel for the John Russell Cutlery Co., and is now making one for D.W. Ellis & Company's woolen mill in North Wilbraham.

# June 17

The John Russell Cutlery Co. will replace the water wheel in the trip hammer shop with one of Clark's scroll wheels made by the Clark Machine Company.

### July 29

The Clark Machine Co. are now making two water wheels for the Turners Falls Co., one to take the place of an old wheel, the other to run the pump that supplies the village with water.

-The Clark Machine Co. are now making one of their fire pumps for the town of Wilmington, Vt.

-The Clark Machine Co. have the order for making one hundred man-hole castings and covers for Thomas Bros.

### September 16

-The Clark Machine Company are quite busy now, and find business improving quite perceptibly.

# September 23

Artie Wyman, while at work on the planer at the Clark Machine shop, the other day, was struck in the mouth with a flying stick of wood from the machine, and had a couple of teeth broken off, besides suffering a severe cut in the lip.

## September 30

The Clark Machine Company are making all the castings for the new suspension bridge at Windsor Locks.

-The Clark Machine Company have had more orders for large mill work, such as gearing, etc., lately, than at any time in many years. Their customers are all over New England.

#### October 14

The Clark Machine Co. has just put in one of their water wheels for S.A. Witters grist mill, East Leverett.

#### November 25

The Clark Machine Company have just made and shipped one of their fire pumps to the Coy Paper Co., Claremont, N.H.

#### December 30

-The Clark Machine Company are now putting in one of their rotary fire pumps with friction gearing, to run the same for Robertson Bros., Hinsdale, N.H. They are also making a set of calender stands and housings for the Fort Orange Paper Co., Castleton, N.Y.

-The Clark Machine Co. have put in several new machines so as to take care of their increasing business more handily.

# January 6, 1886

The Clark Machine Co. are making one of their largest sized pumps for the Turners Falls Company to be used in supplying the village with water.

# January 27

The Clark Machine Company have as skilled mechanics as can be found in the state, and they repair all kinds of machinery to the utmost nicety. Printing machinery is the most difficult in the world to repair on account of its close adjustment and perfect "time," and we have found from experience that such machinery has been repaired at home as well as could have been done by specialists in the cities.

# April 14

To meet the wants of an encouraging trade and to be prepared to do any kind of a job in the machine line, the Clark Machine Company is just now putting in a new engine lathe, 30 feet bed and sufficiently strong to take in the largest and longest shafts wanted.

April 21

-The Clark Machine Co. are putting up a new building in rear of their office to store patterns in.

# May 5

It is claimed by Mr. W.O. Crocker that the trial of the two pumps owned by the Turners Falls Company, by Mr. DeWolf, this noon was to determine the relative merits of the old style Crocker and the Nonesuch, and was so announced by Mr. DeWolf several weeks ago.

The trial was through 700 feet of hose, from a hydrant near the bulk-head to the centre of the Farren House, the nozzle being about thirty feet above the supply of water. The pumps threw streams from 120 to 150 feet horizontally. The figures of the work of the pumps below are as handed to us by the parties in charge of the test:

*Crocker's*—909 cubic inches per revolution; revolutions per minute, 104; water pressure, 125 pounds.

Clark's—1179 cubic inches per revolution; revolutions per minute, 132; water pressure, 80 pounds.

# June 23

A.S. Clark, of the Clark Machine Company, is quite ill with heart disease.

### July 7

The Clark Machine Company have had a number of men busy repairing mowing machines, this summer.

#### August 18

The water in the Connecticut river has been lower for the past two days than was ever known in the memory of man. Monday afternoon the wheels of the Turners Falls Lumber Company and the Clark Machine Company stopped dead still, and work in both places had to be entirely suspended.

Many other wheels on the stream had not sufficient water to carry the machinery, and the wheel of the Turners Falls Company that drives the village water supply pimp couldn't be moved, so that the village has been without water.

The sluiceway used by the rivermen to get logs through, became dry as a bone, and all work with the logs had to be suspended. The water at noon yesterday was 2 feet 8 inches below the top of the dam, but before night the pond began to fill slowly, the effect of the recent rains and the arrival of water from the many ponds up on the small streams which had been filling up over Sunday.

#### November 24

The Clark Machine Company every fall makes a specialty of casting sled shoes which have a very large sale.

# May 25, 1887

James A. Gunn has begun to keep the books for the Clark Machine Company.

#### October 12

A.S. Clark has bought of John Jamison his engine-lathe, bolt cutter, tools and furniture, etc., belonging to them; also his "Patent Jacket Stretcher, for paper machines," and Mr. Jamison is soon to be in the employ of the Clark Machine Company.

### November 30

S.W. Colburn, foreman of the Clark Machine shops, had a hand badly smashed by a sledge hammer the other day.

# March 7, 1888

-Frank Severance got both hands terribly mutilated in the Clark Machine Company's shops the other day. It will be a miracle if he doesn't lose some fingers.

### April 18

The Clark Machine Company has shipped one of its Marshall Engines to a paper mill in Yokohama, Japan. They are the best paper stock beating engines in the world.

-The Clark Machine Company are now making an improved "stuff pump" for paper mills which excels all others heretofore used, and is becoming quite popular.

# May 9

The Clark Machine Company are full of work and are running extra time to keep up with their orders.

### May 23

This week the N.E. Telephone Co. will complete their work in town, and the exchange will be running smoothly with 20 subscribers, as follows:

N.H. & H. depot, N.E. Fibre Co., Fitchburg depot, Dr. E.G. Best, F.I. Webster, Crocker Bank, J.F. Bartlett, F.H. Brown, Turners Falls Lumber Co., H.O. Smith, R.N. Oakman, J. Russell Cutlery Co., Turners Falls Cotton mill, Manchester & Ward, Fred Colle, Clark Machine Co., I.A. Darling, Dr. E.C. Coy, Keith Paper Co. and Thomas Bros.

### July 25

The Clark Machine Company is driven with work so that for a long time to come they will have to run part of their shops night and day in order to keep up with their orders.

# December 5

The Clark Machine Company are building a storehouse near their machine shop and foundry.

#### December 19

The Clark Machine Company make a great many cast iron sled runners every winter, being an article immensely superior to anything else to make sleds run easy. If horses had their say, nothing else would be used.

# January 16, 1889

A call for bids for the construction of the new shoe shop, and plans may be seen at the office of the Clark Machine Company. The foundation must go in pretty quick, and the superstructure follow soon after. Contractors who have plenty of idle men within sight should be glad of the opportunity to start work, and get it out of the way before the busy times come, and workmen should be glad of the opportunity to get early work.

# February 20

The partnership existing between A.S. Clark, A.O. Wyman and Warren Burnham in the Clark manufacturing Company has expired by limitation, and the business of the company will be continued by Mr. Clark, who has engaged John Jamison as Superintendent of the machine shop and A.O. Wyman will have charge of the wood room and foundry. Mr. Burnham who retired the superintendency, was presented with a handsome gold-headed cane by his employees, with whom he was always very popular.

# May 29

### Some Important New Products for Turners Falls

The Clark Machine Company, one of our enterprising and well deserving institutions, which besides doing a general foundry and machine business, makes superior water wheels and fire pumps, and builds the Marshall Perfecting Engine, has just bought out two new ideas that must meet with great success.

One is the invention and construction of an improved "stuff pump" for paper machines, immensely superior to anything of the kind ever used. In the present stuff pumps the construction is such that the weight of the column of stuff presses back on one side of the piston, causing undue friction and imperfect operation of the pump, as the packing becomes hardened at one side, and a most disagreeable pounding, so familiar to the ears of paper makers.

The pump just devised by the Clark Machine Company places the feed chest in a better manner has a double discharge so arranged that the piston is balanced by an equal pressure on all sides, ensuring tight packing boxes, and increasing the capacity of the pump, while at the same time causing it to run smoothly on true mechanical principles, increasing its life and usefulness indefinitely. The whole pump is constructed with the most careful attention to details, by men who have had a life experience in paper mills, and has only to be seen to be appreciated by the intelligent paper manufacturer, who will not put up with a crude trap so long as a scientifically constructed machine can be had.

They make these pumps in three sizes, 4, 5 and 6 inches, and although only just put on the market several of the largest mills in the country have adopted them, and are enthusiastic in their praise, as might be supposed when the Russells' ordered a pump for every machine they have after testing the first one a few weeks.

The other new product of this shop is a new and simple horizontal turbine water wheel, with an extremely simple flume and wheel case. The great aim of manufacturers has been to obtain economical horizontal water wheels, which would develop a large percentage of the power of the water, and do away with the grievous faults of the common turbine, the burning out of the step on which the wheel turns, liable to occur at any minute, causing tedious delay and difficult work to replace, and the nuisance, friction and unreliability of beveled gearing.

With a horizontal wheel, the power can be taken almost directly to the work, used anywhere out of the way of the water by the employment of draft tubes<sup>2</sup>, and power transmitted with belts or gearing in the simplest manner possible.

The horizontal wheels just put out by the Clark Machine Company are models of simplicity and neatness, with every attention given to detail to add to their worth, and the power obtained is equal to any ever made. The principle they adopt is the placing of twin wheels on a horizontal shaft, right and left hand, with independent discharge and draft tubes to each wheel, and they are cased around close to their diameter. A common gate supplies the water to both wheels, and all the pressure thus effected is exerted on the wheels in opposite directions, thereby perfectly balancing the shaft, and securing a freedom of motion not otherwise attainable.

The method of constructing the wheels so as to scroll the water on to them in any manner that may be desired, gives unlimited freedom in setting, and does away with unwieldy cases. The Clark wheel cases may be readily unbolted in a few minutes, the wheel exposed to full view on the shaft, and repairs made with the greatest of ease by any one, without even exposing the workmen to dampness, and started up again without delay, and it would seem that the life of these wheels would exceed all others, tenfold.

Two of these wheels have been running in their "wheel pit" (which by the way is as light, dry and clean as a business office) for several months without the slightest attention, but a glance at the oil cups on the ends of the shafts.

Manufacturers who have seen these wheels and their method of setting, with the neat surroundings, have been lavish with praise of their excellence. There is no limit to the size which these wheels might be built, and many a manufacturer would be glad to get a small wheel of this class, as well as the pulp manufacturer who required more power for his work than anybody else, and must have it applied directly to his work.

-Superintendent John Jamison of the Clark Machine Company is quite an expert on difficult repairing for bicycles, being an unusually good brazer.<sup>3</sup> Many jobs of bicycle repairing could be done just as well at these shops as at any specialty shops, and savings made of express charges.

### August 7

A.L. Schweitzer, a workman in the Clark Machine Shop, had a thumb badly mutilated in a machine yesterday.

### September 17

The Clark Machine Company is to send a saw-mill and water wheel to Rapid City, Dak., among the Black Hills, where E.D. Severance recently went to enter the mining business.

# September 25

The Clark Machine Company will have on exhibition, at the Greenfield fair, one Walter A. Wood reaper and binder with other machinery.

<sup>&</sup>lt;sup>2</sup> In a Reaction turbine such as a Francis turbine or Kaplan turbine, a diffuser tube is installed at the exit of the runner known as Draft Tube. In an Impulse turbine the available head is considerably high and there is no significant effect on the efficiency if the turbine is placed a couple of meters above the Tail Race. But in case of Reaction turbines, available head is low and if turbine is installed above the tail race, there can be appreciable loss in available head. By placing a diffusing pipe at the exit of the runner, both, overall efficiency and output of the turbine can be improved. If the pressure at the exit of the turbine is lower than the pressure of fluid in tail race it will cause a back flow of liquid into the turbine thus damaging it.

<sup>&</sup>lt;sup>3</sup> Braze. To braze; to unite (metal objects) at high temperatures by applying any of various nonferrous solders.

#### November 13

Arthur Wyman had his hand badly hurt in a planing machine at the Clark Machine Shop on Saturday. One finger had to be taken off.

### March 19, 1890

The Clark Machine Company have designed and begun to manufacture a hand-fed shingle machine of improved construction, which is being received with much favor by purchasers.

### March 26

The Clark Machine Company have designed and begun to manufacture a hand-feed single machine of improved construction, which is being received with much favor by purchasers.

## April 9

The Clark Machine Company are selling the Acme pulverizing harrow, which is the great favorite with the farmers.

# June 4

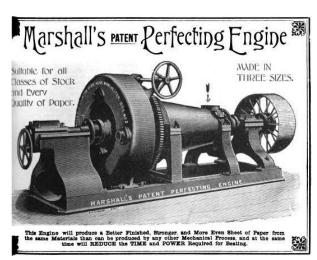
The Clark Machine Company will sell all kinds of Walter A. Wood machines for farmers.

### August 13

The Clark Machine Company are working night and day building Marshall perfecting engines ordered especially for fine paper mills.

# March 25, 1891

Abijah S. Clark, aged 72 years, president and general manager of the Clark Machine Company of this village, died from a pneumonia attack at his residence at High Street. Mr. Clark had been a resident 21 years and had been connected with the machine shops during the time, the works formerly being under the name of Clark & Chapman, and later Clark & Heald Machine Company. Mr. Heald dying about eight



years ago. Mr. Clark had since carried on the work alone and then in company with two of his head men.

#### May 20

A fire caught from the cupola in the Clark Machine Company's foundry, Thursday night, but was extinguished before \$100 damage was done.

#### June 3

James A. Gunn has charge of the Clark Machine Company's books entirely now.

# January 6, 1892

John Jamison, foreman for the Clark Machine Company has resigned his position.

#### October 26

The Clark Machine Co. have put in an electric light plant to light their own shops, with independent dynamo.

# February 15, 1893

The Clark Machine Company is obliged to run their shop nights to keep up with orders.

# May 10

The Clark Machine Company will make an exhibit at the World's Fair.

### December 27

-Frank Severance has been appointed foreman of the Clark Machine shops, in place of B.G. Russell, who went back to Fitchburg.

-A.O. Wyman, of the Clark Machine Company, says that in a half dozen years hardly a dozen moulders have come to him seeking employment; but during the past six months of business depression, fully 50 have come along on foot looking for work.

# January 17, 1894

The Clark Machine Company seem to be so well and favorably known that they are receiving some very difficult foundry work from New York City, coming in direct competition with such firms as J.L. Mott & Co., who operate foundries in nearly every prominent city in the United States.

The Clark Machine Co. have, in the past few days received an order from "Long's Street Car Heating and Ventilator Co," of New York, for 50 heaters for one of the largest cable railways in New York City.

These heaters are a patented invention of Mr. Joseph A. Long, son-in-law of Mrs. C.C. Quimby. Mr. Long, who has paid his second visit since Jan. 15th, returned to New York, Monday morning, leaving his son, Claude W. Long here to superintend the construction and shipment of their heaters.

Turners Falls tenders the industry a hearty welcome.

# February 6, 1895

The Clark Machine Company now runs 24 hours a day owing to the large amount of business offering.

# June 17, 1896

The Clark Machine Company carry all repairs needed on the Wood Machined they sell and make repairs promptly as well.

#### September 16

The Turners Falls Paper Company are extending their Fourdrinier machine, adding a number of extra drivers which will increase the product of the mill very materially. They are also putting in a new water wheel of the Clark Machine Company's make.

# September 8, 1897

W.J. Rist has left the Clark Machine Co. and accepted a position in the Montage Paper Mill.

# March 23, 1898

While Arthur Wyman, pattern-maker for the Clark Machine Company, was at work on a buzz-planer, yesterday morning, his hand slipped from the stock and the rapidly moving knives played havoc with the fingers. The little finger was pretty well used up, but the surgeon, Dr. C.C. Messer, hopes to save it. The next finger was taken off near the hand, and the middle finger was spared a small stump. The forefinger was cut up somewhat, but will be saved to usefulness. He had worked on the machine for fifteen years, and never before received a scratch. October 19

-Albert O. Wyman of the Clark Machine Company, has patented a new jacket-stretcher, for stretching the felt jackets for paper machine rolls, which is ahead of anything of the kind employed, and they have sold some twenty of them without advertising in any way; simply from the recommendation of the user. The device is extremely simple, and strong to a great degree, the expanding mechanism being inclined planes and blocks, operated by a right and left hand screw. The former successful machine was expanded by links, which proved not strong enough for modern felt jackets.

# June 14, 1899

The Turners Falls Lumber Company are taking advantage of the enforced [illegible] to make repairs to their mills. Both water wheels have been taken out and are being rebuilt at the Clark Machine Company's shops.

#### October 25

The machinery for E.B. Blake's coal elevator in Greenfield, was furnished by the Clark machine Company.

### March 14, 1900

Arthur Ε. Wyman severely sprained his foot by slipping on the floor of the Clark Machine Shop, recently.

# August 22

Superintendent Bardwell found a leak in the water pipe near the Clark Machine Shop, last week.

### September 12

The river has been so low that the Turners Falls Lumber Company has been Clark & Chapman Mach. Co., north exposure c1900 obliged to shut down a good deal of the time and the electric light plant also. The



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Clark Machine Company were also unable to run.

## September 26

The low water compelled the Clark Machine Company to shut down yesterday.

#### November 212

Leland Doton, employed by the Clark Machine Company, got a hand badly injured by a set screw in a table in the shop yesterday.

# January 2, 1901

#### **Local Matters**

The Clark Machine Company is rushed with orders, these days, for the popular Marshall paper engines, of which Frank J. Marshall is the inventor. Several of these engines have been ordered for mills in the west.

## July 24

James A. Gunn, manager of the Clark Machine Co., for the past ten years, has resigned desiring to rest from business cares for a while.

#### August 14

Hiland Farnsworth of Fitchburg has been appointed sole manager of the Clark Machine Company, and will take charge Monday morning. A complete reorganization of the business will take place, and the works put into first-class shape to do much more business. New machines will be put in and all the old tools thoroughly rebuilt. He has retained Frank Severance, a very capable machinist as shop foreman.

#### August 28

H.R. Farnsworth, manager of the Clark Machine Company has moved into the Starbuck House on Prospect Street.

# September 4

George Gemmell one of the finest workers in wood in Franklin County who has been in the International Paper Company mill for many years has taken the position of pattern maker in the Clark Machine Co.'s shops.

### October 9

The Clark Machine Company are making extensive repairs and improvements about their works.

### October 30

### Attachment on the Clark Machine Company Property

Frank J. Marshall placed an attachment of \$75,000 on the property of the Clark Machine Company. Mr. Marshall brings suit to protect his rights in certain business arrangements entered into between parties in 1897.

At that time Mr. Marshall and the Clark Machine Company entered into a contract by which certain notes were endorsed by the company and, on his part, an assignment of patent given, without time being stated for redemption. James A. Gunn was mutually agreed upon as attorney for both parties.

The net proceeds were to be applied to the indebtedness. This continued for four years, and now Mr. Marshall says the company has injured his business and refuses to arbitrate the differences. A keeper is in charge of the property of the company. The owners of the machine company are George H. Clark of Holyoke, James Clark of Westfield, Uriah Waterman of Westfield and Elizabeth Clark of Worcester.

### November 6

The old blacksmith shop used by the Clark Machine Company has been torn down, and a larger and better shop is being built in its space.

-Joseph Crouse of Waterbury, Conn. has taken the position of blacksmith at the Clark Machine Company. Mr. Crouse worked formerly for this company for about ten years.

-The attachment placed on the Clark Machine Company last week Tuesday by Frank J. Marshall was dissolved the next day, and business is going on as usual.

#### December 4

Frank Severance, foreman of the Clark Machine Co., got a very bad clip on the head from a shipper last week, making an ugly looking wound, but not sufficient to keep him from work.

# January 8, 1902

The business dispute between F.J. Marshall and the Clark Machine Company has been amicably fixed up.

### February 26

John W. Spencer has gone to work for the Clark Machine Company.

#### March 12

The Clark Machine Company is doing a rushing business under the management of H.R. Farnsworth. The working force has been increased.

### July 2

# Turners Falls and Vicinity

John Pollock and John Farnsworth are working at the Clark Machine Shops during school vacation.

### August 13

### A New Enterprise for Turners Falls

Turners Falls may have one more manufacturing concern, and the shoe shop, which for a number of years has been used only for storage purposes, is spoken for by the new enterprise. The company, which consists of Mr. Burbank, President of the International Paper Company, of New York, Lawyer Venner of Boston and Richard Smith of Turners Falls, formerly of Sherbrook, Canada, are now manufacturing paper mill machinery at the Clark Machine shops.

A lease of the shoe shop is desired for two years, with the privilege of purchase. Mr. Smith has been interested in screen plates of his invention. It is proposed to start in a small way at first, employing at first ten or a dozen hands.

### September 10

Manager H.R. Farnsworth of the Clark Machine Company is pushing business for all it is worth there now, and could do lots more if he had a bigger shop with better facilities They shipped one day last week nearly three car loads of machinery to one paper mill. They have begun the manufacture of W.O. Crocker's new wheel, and have already made and sold one, with orders in for more.

### October 1

### More Power in the Future

For some little time, Treasurer C.W. Hazelton of the Turners Falls Company has had engineers at work making preliminary surveys along the canal tract and along the river bank for the

purpose of obtaining information of exact character for record in view of possible future development of power.

Yesterday, the directors of the Turners Falls Company met and discussed the matter of future development at some length, and finally voted to make a start in that direction, the work to be carried along as speedily as possible under the difficulties which naturally have to be encountered, and the public need not get worked up to any great pitch of excitement over a boom to come, as if by the waving of a hand.

In the first place the head gates will have to be widened, doubling their capacity. But before a stroke can be done the Clark Machine Company's buildings will have to be demolished. Mr. Clark has an established business there and his business cannot be ruined by undue haste. When he can turn himself and secure another factory and location, then the work of head-gate construction will begin.

Of necessity, nothing can be done with great haste. Then the canal will be widened for a considerable distance, but before this can be done many matters of detail will have to be arranged, tenants dispossessed after due and legal form, some rights not being subject of abrogation without a year's notice. All these will take time, but the company has made a start, beginning only yesterday, and will carry out their plans as quickly as possible and observe the various restricting influences which they will have to overcome.

Finally, when the head-gates are in and the canal widened, the canal will be extended beyond the Griswold mill sufficiently far to take all the available water there in the river. Here again the rights of others come in the way, and these matters of must first be attended to before work can be pushed. As of necessity a matter of slow growth, still the start has been made, and Turners Falls can look for brighter skies in the future.

Much has often been said of the power development at Holyoke, in comparison with that of Turners Falls—the ordinary talker gabbing incessantly about using water about using the power over three times, therefore getting so much more. The same mind would not suggest the cutting of an apple in three pieces to make more apples. They split the fall into three levels at Holyoke and really lose power by the additional friction. Here the principal has always been the only true mechanical one that of using the water at its full head, saving probably 20 per cent from friction.

augment its power, beginning with the Deerfield, no small power. With larger canal capacity, Turners Falls will have lots more power to sell, limited of course to the seasons of the year when there is a constant flow, which is usually about ten months out of the twelve. This year

This petition was placed on the front page of the March 11, 1903 T. J. Reporter

SUPERIOR COURT.

of the

Number

225

Justices

To the Honorable the Justices Superior Court sitting at Greenfield and for the County of Franklin;

THE undersigned, being a majority in number and value of the clark & Chapman Machine company was in 1871 duly constituted a corporation according to the provisions of Chapter 324 of the acts of the General Court of the Common wealth of Massachusetts passed in the year 1870, approved May 2th, in said

ed in the year 1870, approved May 9th, in said year: That the purpose for which said corporation

That the purpose for which said corporation was constituted was for general machine, foundry and job work and the manufacture of water wheels and circular saw mills; the town within which the corporation was established or located was the town of Montague within said Commonwealth; the capital stock of said corporation was thirty thousand dollars, divided into three hundred shares of the par value of one hundred dollars each, said capital was fully paid in in cash at the time of the organization.

That the said corporation owes no debts and possesses no assets, and has long since ceased to do any business:

That at a special meeting of the Company held February 12, 1903, at their office in Turners Falls, at two o'clock p. m., in which the entire capital stock was represented, it was unanimously voted to petition this Honorable Court for dissolution.

That your petitioners desire to close the That your petitioners desire to close the concerns of said corporation, and that reasonable cause exists therefor as set forth above. Wherefore they pray that a decree may be made by this Honorable Court dissolving the said Corporation. Holyoke has a half dozen large streams to Names of Stock holders. Residence. George A. Clark, George A. Clark, Admr. Estate of Holyoke, Mass Abijab &. Clark, formerly of Turners Falls, Mass. the water has been constantly high, and thousands upon Total shares. <sup>4</sup> To end an agreement or contract formally and publicly.

thousands of horse power has been running to waste every day, but there have been years when every drop in the river, for a few weeks, has passed through the wheels at present running here, and insufficient at that for the power demanded.

### March 4, 1903

### Turners Falls Machine Company

The first meeting of the incorporators of the Turners Falls Machine Company was held on Monday last, and the following officers were elected:

President - W.P. Dustin, Treasurer - D.P. Abercrombie Cashier - James D. Coy

Clerk - Frederick Clapp Superintendent - H.R. Farnsworth

Directors -W.P. Dustin, W.R. Farnsworth, W.O. Crocker, S.W. Parker, F.I. Webster

The company takes over the business of the Clark Machine Company, and they have contracted with Thomas Brothers for a building to be occupied in place of the old Clark Machine shop. The new building will be modern and equipped with all the latest improvements, and capable of turning out any kind of machine work.

The building will be of brick, 125 x 50 feet, two stories with flat roof. The lower story will be twenty feet in the clear, and will be lighted by extra large windows. Everything will be decidedly modern in equipment of machinery and arrangement, will be heated by steam and lighted by electricity, with safety appliances to guard against fire, including automatic sprinklers. The power will be supplied by dynamos so as to largely do away with shafting in transmission. The upper story will contain convenient offices, draftsman's rooms, pattern makers and general woodworking departments. The new building will be situated on the upper side of the canal, and the office will be reached from the sidewalk, on a level with the sidewalk below Patucket Hall.

The company is purely local and will lead much in the development of Turners Falls, a brighter turn now being evident. The stockholders are all men of exceptional ability in the mechanic arts, such as few companies can boast of.

The president, Mr. Dustin, has been the leading spirit in its formation, and all realize that no man in the county is possessed in a like degree of such a deep insight in the subtleties of business success, proved so often by the results which have invariably followed his generalship. He has led in this matter largely on account of personal pride in the growth of Turners Falls.

Acknowledged everywhere as a marvelous exponent of common sense mechanical engineering, W.R. Farnsworth's money and brains must count for vast good, while his son, H.R. Farnsworth, has proven his mettle as a brainy workman and manager.

W.O. Crocker, the versatile inventor, a director, has the leading water-wheel of the world, which will be made by the Turners Falls Machine Company, and the list will show the solid material comprised in the board of directors.

No better machine shop of the size will be found in New England, and will add greatly to the business prestige of Turners Falls. The old buildings will be occupied until the new one is completed, but the company expect to be in their new works, all newly fitted up, before the first of June.

-A petition has been filed at the clerk of court's office, praying for the dissolution of the Clark & Chapman Machine Company of Turners Falls, a corporation formed in 1871.

(see above cut. e.g.)

May 20

The old office of the Turners Falls Company is soon to be demolished. It has a history.

It was first a school house, in the dim and misty past, when Turners Falls was a picturesque wilderness, and the mother of Manager Farnsworth of the company received some of her education in the little building, while her father ran the lonely saw mill about where the Montague mill now stands. Next the building was a meeting house, then the office of the Turners Falls Company, the big corporation that developed the great water power, then it was a village lock-up, then an open tramp house, at a time when tramps came in droves of a dozen. It is believed the building saw other uses, now forgotten, but it was finally moved to its present location near the bulk head to be used as an office by the late Abijah Clark. Now that the machine company has a fine new office nearing completion, the old building will be released for other uses, or torn down for kindling wood. It has more of a history than all the rest of the village.

### March 2, 1904

An alarm of fire was rung in from Box 23, Thursday evening at 5.50 for a blaze that confined itself to the foundry of the Turners Falls Machine Company. The firemen quickly responded and the fire was soon put out with very little loss. The fire started in the wood work around the blast furnace. Nearly 1000 people gathered in a very short time.

June 29

-The Turners Falls Machine Company are building two Crocker turbine water wheels of 900 horse power for the Turners Falls Paper Mill.

-The Turners Falls Machine Company have added to their list of manufactures a patented line of coat hooks and towel hangers. It is the policy of the new and flourishing company to fill in all the chinks possible so as to make employment the steadier from year's end to year's end.

July 6

John Farnsworth has entered the employ of the Turners Falls Machine Company.

July 20

-George Gemmell, who has been pattern maker for the Turners Falls Machine Company for a number of years, has given up the position to take that of carpenter with C.N. Tyler. December 28

-The Turners Falls Machine Company has just completed a forth-four inch Crocker water wheel for the [McFarlane] Paper Co. of Holyoke, the largest water wheel that has been made in this part of the country for many a day. It will be under a 12 foot head and create about 500 horse power.

# February 1, 1905

The Turners Falls Machine Company are building several very large water wheels for a paper mill in Mechanicsville, N.J.

April 19

-The Turners Falls Machine Company has enlarged the scope of their business by engaging in a corps of first-class electricians so that they are now ready to do electrical construction and repair work, factory and house wiring, and electrical work of all descriptions.

-The Turners Falls Machine Company have just built another water wheel of the largest size, 44 inches, for the big paper mill in Mechanicsville, N.Y. The power developed will be 500

horse. Foreman Frank Severance and a gang of experts are out there installing a number of wheels and considerable paper mill machinery.

### May 17

The Turners Falls Machine Company has the contract for wiring A.E. Martel's new drug store in the Hibernian Block, for electric lights.

July 19

## The New Power Plant of the Turners Falls Company

A few years ago, especially when the coal strike was on, it came to the senses of all men interested in manufacturing in any way that a water power was the most valuable asset in New England. It was perpetual although in degree. It was the cheapest power known to man, even if a new dam had to be built every 50 years.

There were two drawbacks. There were always seasons of drouth, and many powers were away from railroads. With the development of power at Niagara Falls, in California, and elsewhere, and the popular knowledge of electricity, students of hydraulics had their eyes opened, and a new era in water power development was begun, on all kinds of scales.

The owner of a power of any size at once saw new possibilities. Corporations of large capital owned and were located on streams having three falls or more. To build a dam at the upper falls would be folly because railroad facilities could never be obtained. The falls below were never utilized for the same reason. Now to-day all the falls on such streams are utilized by turning the power of the water into electricity and sending it to a central railroad point, without any appreciable loss. Berlin Falls, N.H., is a simple case in point, where a million dollars has been expended to obtain the desired results.

Turners Falls was one of the first places to recognize the vast benefits that would follow the development of power to be used electrically. For years it was understood that all the permanent power had been sold—it was more than contracted for in exceptional seasons of drouth. But there was plenty of power going to waste every hour of the day for eight or nine months of the year.

At one time manufacturers fought shy of water powers that were not permanent, and disliked to own their own auxiliary steam plant to lie idle a third of the year, and it has been the custom anywhere for water power sellers to make the power permanent by auxiliary steam, and if they had that notion, electricity had not been mastered well enough to make the transmission feasible.

At this one point alone on this stream where there are three falls, owned by the company, there are at least seven thousand wasted horse powers for the best part of the year, to say nothing of the wholly undeveloped falls above and below.

Mr. Charles W. Hazelton, a Civil Engineer of exceptional ability, a member of the Society of American Civil Engineers, studied the problems here very deeply. Nothing that had ever been done in any part of the world but he had scrutinized closely. He formulated his plans, and the results were laid before the members of the Turners Falls Company, and having a cheerful enthusiast in the person of Mr. W.P. Dustin, a director on the ground, and now made the company's vice president, the work of developing power was pushed to a speedy completion, and this week sees the practical completion of a power plant second to none in effectiveness, solidity and scientific construction.

To begin with, the extensive contracting firm of Holbrook, Cabot and Rollins were given the task of extending the original 50 foot bulkheads and one hundred feet and as fine a piece of

granite work was produced as was possible, built to withstand the shocks of freshets and ice floes, and all the shocks that angry rivers are heir to.

Over this a most substantial gate house was built in keeping with the immense bulkheads and machinery of the most improved designs to easily manipulate the eight gates that let the torrents of water into the 150 foot canal below them.

The same contractors were given the work making the canal 100 feet to a point opposite the cutlery works. Another contract was let to extend the old canal a distance of 1500 feet, 100 feet wide, some of the way and 60 feet the balance, to a point below the present power house.

The company did a most excellent and thorough piece of work being of exceptionally strong and enduring design and workmanship. The best of cement was used with a lavish hand, every lot tested by an expert. In fact, the company had their own experts on hand to supervise the work of the contractors, themselves men of pride in their own skill and probity. A good job was assured from the beginning. It cost something, but it was for all time.

Mr. Hazelton gave a good deal of thought to the plans of the powerhouse, with a mind on future development and uses. The contract was let to Thomas Brothers, the local builders, who can point with pardonable pride to many stately structures at home and abroad.



No.1 power house at the "Patch". The foundation and penstocks are shown at the east or inlet side of the structure. 1904

e.g. archive

The foundations were made as strong as the most extensive use of power could ever demand, and four steel tubes, 14 feet in diameter, 100 feet to the wheel pits, were put in, each capable of carrying 1800 horse power of water to its individual set of wheels. At present only the most southerly tube is connected with wheels.

The building is quite massive, 30 feet high from floor to roof, 130 feet long, and 60 feet wide. The power at present developed in this new power house is 1400 horse power through two 40 inch Crocker Turbines on a horizontal shaft at 30 foot, head geared to a Bullock Dynamo of 12 feet

in diameter, rated 1000 kilowatts. From this tube comes a feeder for a smaller wheel, a 300 horse power Crocker Wheel, which is used to run another description of dynamo, an exciter which supplies the exciting current to the magnetic field of the larger machine.

The wheels are operated by modern water wheel governors that approach very nearly steam engine governing very necessary qualities in the production of electricity from water power, and not obtainable in the old helter skelter gait a water wheel was once familiar with, even in the best days of regulation.

These machines have been running a few days to tune up, and are marvels of exactness and ease of running, making less noise to produce nearly two thousand horse power than menu a seventy-five cent kitchen clock.

Switch boards are in with all the paraphernalia needed for practical use of the power so far developed, and new panels will be added as occasion demands, occupying the rivers side of the building.

So far wheels and dynamos are in for quarter the capacity of the complete development, and the additions will be made as fast as the sale of electricity demands. A traveling crane of 15

ton capacity is established in the top of the building which was used to put in the present machinery, and will be used in all future handling of machinery anywhere in the building.

Of course when it is desirable to make the power permanent, a steam plant will be added, but to begin with there is always sufficient water in the river for such uses of electricity as may be now demanded.

The work has been pushed to completion with remarkable speed, considering the magnitude, and could only be done by such concerns as they had to do with, commanding their own railroad facilities, engines and cars, to say nothing of the multiplicity of drills, tools, steam derricks, winches, etc.

Now that the work has been advanced far enough for the delivery of power we shall gradually see its benefit availed of.

The gates, racks, in fact all the iron work in the construction of the \$400,000 enterprise were furnished by that up to date local machine shop, the Turners Falls Machine Company. They also put in the 14 foot water tubes and built the water wheels. It is a matter of considerable pride that the village has a concern capable of turning out such meritorious work.

The hot water heating of the building is very well planned with ample. It was put in by George Starbuck & Sons.

The power building will be open to the public next Saturday, and Mr. Hazelton extends an invitation to all the people to go and see for themselves what has been done so far for the development of power here. Women and children may go safely now. After this week visitors must necessarily be excluded from such a place.

# September 13

The Turners Falls Machine Company have recently finished their contracts on the wiring of George Starbuck & Son's store and also the Forester's hall. At present they are finishing the wiring in Harugari Hall and next week they start on wiring Holy Trinity church in Greenfield for about 200 incandescent lights.

# September 20

John F. McCarthy is employed as a molder in the Turners Falls Machine Company.

# January 3, 1906

The Turners Falls Machine Company on Saturday last, made the largest shipment of machinery ever sent out at one time from Turners Falls. It consisted of five 44 inch Crocker turbine water wheels and one smaller wheel, together with appliances, all ready to be set up in the flumes of the new paper mill just building at Ryegate, Vt. Five heavy flat cars were provided, but afterward it was found possible to distribute the weight so as to require but three cars. These wheels are considered the finest water engines ever invented, and the workmanship is certainly a credit to the local company.

# February 7

The Turners Falls Machine Company has sold three Crocker wheels to a mill near Troy, N.Y.

#### February 21

The Wiley & Russell basket ball team of Greenfield defeated the Turners Falls Machine Company in Hibernian Hall, Saturday night, in a rough game by the score of 19 to 14.

# June 27

-The Turners Falls Machine Company has just completed a Crocker Turbine Water Wheel for a mill up north that is probably the largest ever made in New England. It is 80 inches in diameter, and will develop 1000 horse power under a 20 foot head. Some 30,000 cubic feet of water will pass through the wheel every minute of the 24 hours. It is a giant wheel, and transmits the enormous horse power under comparatively low head.

-The Turners Falls Machine Company has just made a large shipment of water wheels and other machinery to a paper mill near Ballston Spa, N.Y. It is as fine looking lot of machinery as one would wish to see coming out of a first class machine shop. The finish of water wheels, their castings, flumes, etc., is vastly superior to what was commonly used.

#### August 1

Joseph Crouse of Central Street, while at his work in the Turners Falls Machine Company's shop, had the misfortune to injure on leg quite badly.

### August 22

Frank Severance, who has been foreman in the Turners Falls Machine Company's shop[s for a long time, has given up the place, and will go to Humphrey shops in Keene, N.H.

-James Coy is cashier for the Turners Falls Machine Company.

# December 5

#### Local Matters

The Turners Falls Machine Company has recently shipped a 74 inch Crocker water-wheel to Ferrisburg. Vt. and a 74 inch wheel to Holyoke.

### March 6, 1907

Mr. Rand of Rockford, Ill., has taken the position of manager of the Turners Falls Machine Company, succeeding H.R. Farnsworth.

# April 3

A.L. McCrea, who has been electrician for the Franklin Electric Light Company for many years, has resigned. M.H. Mahoney, formerly of the Turners Falls Machine Co., succeeds him.

#### April 24

Miss Emma Thomas of Montague City has taken a position in the office of the Turners Falls Machine Company.

# May 1

# The New Mill of the Ryegate Paper Company

In the early 80's, George E. Marshall, W.D. Russell, and Porter Farwell of this village, bought the water power at Ryegate, Vt., intending to develop it at an early date. Some shore rights, however, promised at first, were not given over until a few years ago, when a company was formed to put in a dam and build a paper mill.

Mr. Marshall retained his interest in the property, and other prominent manufacturers took stock in the enterprise, and the mill is now running along prosperously with Raymond E. Farwell as local manager, Henry Smith, another Turners Falls boy, as superintendent, and W.D. Russell as treasurer, with the office in New York.

The Turners Falls Machine Company has built for the new Ryegate, Vt. Paper mill, six 54 foot and 36 foot Crocker wheels, which furnishes power for grinders, screens, cylinder machine, dockers, beating and refining engines, also one 150 and 250 horse power steam engines made by Fitchburg Steam Engine Company. These steam engines furnish power for the paper machine, dynamo and electric motors.

## August 21

The Turners Falls Machine Company, the Esleeck and the Turners Falls Paper mills were obliged to shut down yesterday morning on account of low water. Later in the day the water rose in the river so the mills could start. This is the first shutdown this summer on account of low water. November 28

-James D. Coy is cashier of the Turners Falls Machine Company.

#### December 4

# The Montague City Aluminum, Carbon and Brick Company

Yesterday, at Greenfield, in the office of the attorney for the corporation, William A. Davenport, Esq., was organized a corporation with the above title, with a capital of \$150,000, to produce aluminum from the extensive clay banks at Montague City. Make carbons for electrical purposes, and manufacture brick. One of the products of aluminum is hardened by a secret process, and the inventor hopes to see battleships armor plated with it some day.

The officers are:

President - C.P. Wise of Turners Falls

Vice President - W.C. Davis of Readsboro, Vt.

Secretary and Treasurer -W.H.P. Gilmore

Directors - C.P. Wise, W.C. Davis, W.H.P. Gilmore, Edward Webster

The machinery will be moved to Montague City, and a public demonstration made, where all can see the wonderful aluminum metal extracted from the clay, at the rate of 25 per cent, of metal for the clay used, as claimed by the inventor.

After the demonstration the stock will be for sale in lots to suit, and no man will be too poor to be shut out from promised benefits. A systematic canvass will be made for the sale of stock, to rich and poor alike, but present appearances and talk of the sanguine, there is likely to be a lively scramble to get all the stock that can be gobbled up.

Men high up in the knowledge of aluminum, are reported to be more than eager to get in on the ground floor, and blocks of a couple thousand dollars' worth are considered but as a bagatelle.<sup>5</sup>

The discoverer of the aluminum process, Mr. Davis, has been busy in metallurgy all his life, and is pretty sure he knows a thing or two. He has invented a carbon for electrical purposes far superior to anything yet in use, and some pencils in use in the Turners Falls Machine Company's shops have shown a wonderful superiority.

Here's hoping that the company will get all the cream there is in the bowels of our own earth, and that Turners Falls will come to its own in record breaking style.

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<sup>&</sup>lt;sup>5</sup> A thing of little importance.

# January 1, 1908

# Failure of the Turners Falls Machine Company

As will be seen by advertisement in another column, the Crocker National Bank has foreclosed its mortgage on the Turners Falls Machine Company's property, and the building of the company, and contents with all tools and appliances, will be sold at auction on the 25th of this month to satisfy this claim.

The company was organized some years ago "to fill a long" felt want" as is told of the starting of country newspapers. The old machine shop was about a half a century behind the out-of-date mark, and its buildings stood on the site of the present bulkhead. Its removal was imperative in order to get more water to keep Turners Falls on the map. A new site was chosen and a new building designed.

W.P. Dustin and Charles W. Hazelton said they would subscribe \$5000 each to help along a needed improvement for the good of Turners Falls, and passed the paper over to younger men to see what others thought of the project. Capital was soon solicited among local young men and the company was organized with a stock of \$33,000.

A fine new plant was erected, modern tools, lathes, etc., bought to handle the largest work in a satisfactory manner and the company started with high hopes of success, manufacturing the Crocker Water Wheel, the Crocker Fire Pump, patented paper mill machinery, etc.

They had a good iron and brass foundry, and facilities to handle almost any kind of business. But the experiences very common to mankind's best schemes and plans was repeated and the concern found they could not turn labor, pig iron and steel into dollars so readily as the trick can be figured out on paper, and a good dose of hard times was dealt out with unerring certainty. Obligations could not be met, and a halt had to be called.

Mr. Dustin, the godfather of the concern in its infancy, banked his faith in the future by allowing that most beautiful signature of his to appear on the wrong side of some of its paper, and on Monday he stepped up to the captain's office and put down \$20,000 cold cash dollars for the pleasure of owning the choice

# Mortgagee's Sale.

Mortgagee's Sale.

Dy. virtue of a power of sale contained of in a certain mortgage given by THE TURNERS FALLS MACHINE COMPANY, a corporation duly established by law sid-having a place of business in Turners Falls, in Montague, to the CBOCKER NATIONAL BANK of said Turners Falls, in Montague, to said Turners Falls, in Montague, to the CBOCKER NATIONAL BANK of said Turners Falls, dated May ist, 1907, and recorded in the Franklin County Registry of Deeds, Book 528, Page 229, also recorded with, the records of Mortgages of Personal Property of the Town of Montague, Book 8, Page 28, and for breach of the conditions of said mortgage, will be sold at public auction, in, or near, to the brick building hereinsfiter described, at said Turners Falls, in Montague, County of Franklin and Commonwealth of Massachusects, on SATURDAY, THE TWENTY-FIFTH DAY OF JANUARY, A. D. 1998, at 10 o'clock in the forenoon, all and singular, the premises, buildings, goods and chattels conveyed up said mortgage, viz. A certain brick building situate on land leased from the Turners Falls Company at the north end of Avenue A, in said Turners Falls, and heling the same brick building now occupied by the said Turners Falls Machine Company as a machine shop, also all of the fixtures connected with and belonging to said building, together with the pullers, betts, shafts, lattles, all of the machines and machinery of every kind and description now in and about said building. Also all of the tools and implements of all kinds and description now used by said Turners Falls Machine, Company in its foundry so called, in the building adjacent to said building used as a machine shop, Also all of the property of every kind and description now in and about the above described premises and buildings. Termer Cush or its equivalent. CROCKER NATIONAL BANK, By DANIEL P. AB ERCROMBIE, Cashier,

Cashier, J. J. LEARY, Atty. Dated Dec. 31st, 1907.

As printed in the TJ Reporter. Jan. 1, 1908

souvenir. Others will own souvenirs with less tinsel, on them. But all was done to give Turners Falls a creditable machine shop, and every man parted with his ducats with a loval feeling in his heart that his home town was to be a gainer by the effort.

How material will shape up no one can foresee. Men who have money, experience and a desire for such a plant will be met with open arms by the present stockholders, and all may yet be well.

<sup>&</sup>lt;sup>6</sup> Money or cash.

## January 22

The foreclosure sale of the Turners Falls Machine Company will take place on the premises on Saturday, Jan. 25, at 10 o'clock.

January 29

## The Machine Shop Sold<sup>7</sup>

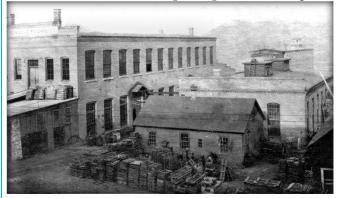
At the sale under foreclosure proceedings Saturday morning of the plant of the Turners Falls Machine Company, the Crocker National Bank which made a mortgage of \$17,500 on the property had to bid in, as there were none other interested.

No one in Turners Falls seems to be interested enough to want to acquire such property at even a great sacrifice, and although well advertised abroad no one looked at the affair very seriously, and some of those merely as to the possibility of buying the materials for removal. If no one puts in an appearance with a little capital, say \$10,000 or \$15,000 and start up the shops, no doubt the plant will be dismantled, and the building left for the small boy to break the windows out.

One of the greatest misfortunes that can come to this village would be the doing of this very well equipped machine shop, brass and iron foundry, and the people will realize when it perhaps too late, what they have lost. While all the mills have fairly equipped machine shops of their own, none has anything like the capacity of this shop, and the time may come to almost any mill when such a fully equipped shop would be a God-send. Greenfield may be depended upon to supply about everything save the trouble of having to such facilities at home, but even Greenfield may balk at big work in the line of castings and machinery.

-E.A. Rand, who has been superintendent of the Turners Falls Machine shop, has taken a position for the Keith Paper Company.

-Arthur Matthieu, an excellent machinist who has been employed in the Turners Falls Machine Co., since the beginning, has taken a position as machinist in the Keith Paper Company.



Montague Machine Co. at the north end of Ave. 'A' 1908 e.g. archive

#### February 12

J.A. Gunn has been appointed to settle up the affairs of the Turners Falls Machine Company.

#### March 4

Michael Blassberg & Co., are establishing a brass and iron foundry at their plant on the Avenue, and will handle castings up to 350 pounds. By the closing of the Turners Falls Machine Company's foundry, the need of a foundry here was quite

pressing. Mr. Blassberg is in a position to get supplies for all kinds of castings to advantage, and he will have first class workmen in charge of the foundry. He will also have a pattern maker on the ground.

This article seems a bit strange as a T.f. Reporter article dated Jan. 1, 1908 states that; "Mr. Dustin, the godfather of the concern in its infancy, banked his faith in the future by allowing that most beautiful signature of his to appear on the wrong side of some of its paper, and on Monday he stepped up to the captain's office and put down \$20,000 cold cash dollars for the pleasure of owning the choice souvenir."

#### March 18

William P. Argy, Jr., formerly foreman of the Turners Falls Machine Company, has taken a position with the American Thread Company of Holyoke.

## April 8

#### The Machine Shop to go Into Good Hands

Then Crocker National Bank has bargained for the sale of the machine shop and foundry to parties who will use the works to their full capacity with a possibility of expanding.

As nothing is sure but death and taxes and a recorded deed, we are not at liberty to say to whom the property will go.

It will be a glad day in Turners Falls when the papers are passed, as the whole concern was fast heading toward the junk heap. Advertising far and near failed to find any one who wanted an established business and a modern plant, at about a third of its value, and even our local capitalists did not seem to care to put money into it, for the benefit of the town, themselves or anybody else.

## April 29

## The International Paper Company Own the Machine Shop Foundry

-Papers were signed Monday morning transferring the Turners Falls Machine Company's buildings, tools and assets to the International Paper Company. Assistant Treasurer Shepard, Mr. White, a director, and Mr. Bickford, the purchasing agent of the paper company were here Friday morning to finish the transaction.

The company will be known as the Montague Machine Company and will make pulleys, shafting, boxes and castings for different mills of the International Paper Company.

Some of the tools and machines will be thrown out, and others put in to do the work desired. The machine shop and foundry were bought now because the shop making the work desired has gone out of business, and the tools, machines and patterns were acquired by the International Paper Co. in order to protect its interests, and the work will be started here under the superintendence of the foreman of the old company.

In time the foundry here will be enlarged and a good many hand employed. It was a condition of the deal, that the new company shall take care of the repairs and breakdowns of all local concerns, as other outside business will not be taken.

Although the local backers of the old company lost a lot of good money in trying to give Turners Falls an industrial plant that was much needed, the outcome will be better in the end for the village, as outside capital such as here interested, will ensure larger pay rolls than were ever contemplated.

-Elmer Rand, formerly superintendent of the Turners Falls Machine Company, has accepted a position as draftsman with the Jenks Machine Co. of Sherbrooke, Canada.

## May 6

#### Turners Falls Locals

With all the talk of getting new enterprises to come here, it is pretty certain we would not have the machine shop put in operation on a larger way than before, had not W.P. Dustin and D.P. Abercrombie buckled down to business, and acted so persistently that their efforts could not be well turned down. There were no club meetings, resolutions and not a lot of glittering generalities exhibited to impress the incomers of our importance. The gentlemen simply went after a new industry personally and hung to their task, night and day, until they landed an unwilling

proposition. Votes, talk and palaver<sup>8</sup> never moved mountains, but pairs of willing hands, a good barrow and no end to trips will do more than Mahomet<sup>9</sup> could ever hope to do in his calmest days.

#### May 27

The Montague Machine Company has had their firm name painted in large letters on the front of their office. The shop is running on repairs at present and will probably be put in full operation in about three weeks.

W.R. Farnsworth has been out and bought machinery in value greater than the sum paid form the entire plant, and this is now being put on cars for shipment to Turners Falls. Some of the old machinery in the shop will be thrown out to make room for the new.

#### August 5

Thomas Acton of T Street, who has been employed as a brass molder in the machine shop, has taken a position in Sherbrooke, P.Q.

#### November 25

M. Blassberg & Co. have doubled the size of their brass foundry building, and have added three new retorts, bought from the Montague Machine Company. Messrs. Blassberg have built up quite a respectable business as brass founders, and fine manufacturers very willing to give them all the moulding they require.

## August 4, 1909

Alfred LaPalm, while oiling shafting in the shop of the Montague Machine Company recently, fell, and injured his back.

#### August 10

Miss Katherine Buzzell is stenographer for the Montague Machine Company.

## February 23, 1910

Edward E. Barnard, who has been for many years employed as Master Mechanic at the Montague Mill of the International Paper Company, has given up the repair work which he formerly looked after, and will stay in the shop. For some time Mr. Barnard, who is now 69 years of age, has desired to drop some of the burdens of his day's work, but till now has prevailed upon to continue. His action is voluntary.

John H. Cocking takes his place in repair work. J. Monroe Chapman, who has been a foreman at the Montague machine shop of the International Paper Company, retired Saturday night after a service of many years as machinist. He was formerly employed by the old Clark & Chapman Machine Company before going into the Montague mill years ago. Lewis Farrell succeeds him.

#### March 16

# Library Notes (A portion (Clark & Chapman) is given here. *e.g.*)

One photo of Clark & Chapman Machine shop and foundry, Turners Falls, 1872.

Mr. Chapman has also presented to the library three valuable books on the history of New Hampshire, as follows: State Papers, 1638 to 1785; Town Papers, 1776 to 1783; Provincial and

<sup>&</sup>lt;sup>8</sup> Fuss or bother.

<sup>&</sup>lt;sup>9</sup> Mahomet - the Arab prophet who, according to Islam, was the last messenger of Allah

State Papers, 1749 to 1792; also an interesting pamphlet by Mark S.W. Jefferson, a former principal of our high school, on the "Post Glacial Connecticut at Turners Falls, 1898."

Mr. Chapman has the thanks of the trustees for this interesting contribution.

Speaking of Mr. Chapman, it is with deep regret that we have to record the leaving from town of such men as he is. If we all sterling qualities the town would be much better off.

Mr. Chapman came to Turners Falls in 1879, and lived for about ten years at Riverside in the Holmes house, and was connected with the Clark & Chapman Machine Company for a number of years. He married in early life Miss Annie L. Newcomb of Bellows Falls, Vt., who died of cancer many years ago, and has had three children, Fred, Effie and Harlan. Fred followed the footsteps of his father and learned the machinist's trade. He died several years ago. The other two children were given a liberal education, Effie being a graduate of Radcliffe and Harlan of the Mass. Institute of Technology. They both had lucrative and important positions.

Harlan is superintendent of the Maryland Steel Co., near Baltimore, Md., and Effie is secretary to the librarian of the Seattle Public Library at Seattle, Wash.

In the early 60's Mr. Chapman enlisted in the 3rd New Hampshire Volunteers and served three years. He is now seventy-three years old, bur he retains a remarkable memory and can tell you most any day what was being done forty odd years to-day at the front. For the last thirty years he has been on the repair work for the Montague and International Paper Co's., and has been at the beck and call of the management at any and every hour of the day or night, including Sundays, and has made a remarkable record.

Counting 365 days to the year, he has made over two whole years' overtime in the thirty years. Mr. Chapman has not made definite plans for the future but expects to visit his son at Baltimore and may eventually make his home with his daughter at Seattle, who is anxious for him to do so.

His familiar figure will be missed on our streets, as also will be his many genial characteristics by his host of friends.

#### August 24

John R. Farnsworth, who has been employed in the office of the Montague Machine Company for a number of years has resigned his position and will enter the employ of a machine company in Waterbury, Ct.

#### October 12

Dolor Beausoleil is foreman at the Montague Machine Company foundry.

#### January 4, 1911

The Montague Machine Company has shut down for a few days for the customary New Year's inventory.

#### May 17

Philip LaFrance, who has been employed as a blacksmith by the Montague Machine Company, has resigned, and expects to move his family to Canada where he will carry on a farm.

## November 22

A heavy piece of shafting was received by American Express Friday, from New York, weighting 2600 lbs., which was sent to Turners Falls to be repaired by the Montague Machine Company.

## July 10, 1912

#### Local Matters

Walter Harrigan of Canal Street has taken a position with the Montague Machine Company.

#### November 6

Clarence Allen of Seventh Street, an employee of the Montague Machine Company, while at his work, Thursday morning, was painfully injured, by cutting his knee with a saw on which he was employed.

1913 No Montague Machine content. *e.g.* 

## August 19, 1914

#### That Labor Day Celebration

The committee for the Labor day celebration has arranged a program that will appeal to all ages and will furnish a day long to be remembered locally.

At 10 o'clock a train of construction cars fitted with seats starts from behind the Montague Machine Co. for a canal sight-seeing trip. The train will run along the entire job to Montague City and return. Guides will explain the work as the train goes along. This will give everybody a chance to see what is going on.

## September 2

## Hurrah for Labor Day

Plans for the Labor Day celebration are low complete, and if the affair is not an unqualified success, it will not be the fault of the committees, who have done everything possible to provide a day of rare pleasure.

At 10 o'clock in the morning, the free light-seeing train will start from behind the Montague Machine Co., and will run along the entire job to Montague City and return. Guides will explain the work as the train goes along. This will give everybody a chance to see what is going on and everyone should be on hand to take advantage of this opportunity.

At noon, the big clam bake served near the High school oval, will be the great attraction, and there will be plenty of good things for all.

At 1.30, the sports will commence on the High school oval. There will be races of all kinds, including sack and fat men's races, also such mirth provoking features as the greased pig, tug of war, etc.

At three o'clock, on the High school oval, the White Coal baseball team will play the McCallum Hosiery Co. nine of Northampton and a fine game is looked for.

The celebration will conclude with a band concert on the Avenue at 8 o'clock in the evening, at which the Turners Falls Military band will render an exceptionally pleasing program.

## June 2, 1915

#### Turners Falls Trades League Formed

A. I. Potter, the genial baseball enthusiast, has been hustling around all spring trying to get a shop baseball league organized. His efforts have at length borne fruit, and the shop league has become a reality, and been organized for efficient work. Some mighty good baseball games are assured throughout the summer, and plenty of good, clean baseball will be forthcoming every Saturday afternoon until Labor day.

Four teams are comprised in the league which has been named the Turners Falls Trades league. The teams represent the Esleeck mill, the Keith mill, the Turners Falls Power & Electric Co., and the Montague Machine Co. and International Paper Co., combined. Each of the companies represented by a team has supplied the players representing their shops with uniforms and equipment. It is planned to play double header baseball every Saturday afternoon throughout the summer, the first game scheduled being for Saturday, June 19th. The employers have given the project warm support and the members of the teams have already begun to practice with energy. The officers of the league are:

President - A. I. Potter Secretary - Louis Hahn

Treasurer - William Argy

Board of Directors - W.T. Libby, A.R. Smith, William. H. Croft,

Fred C. Abercrombie

The Board of Managers will be composed of the managers of each of the four baseball teams. This Board of Managers will have the general management of the league's affairs with the assistance of the Board of Directors in an advisory capacity.

The new league begins existence with everything in its favor, and with the enthusiastic support of all interested in the various shops and in clean, healthy sport.

## LIST of ELIGIBLE PLAYERS.

International Paper Company and Montague-Machine Company. G. Foley, T. Murphy, A. Guilbault, A. Mathieu, H. Grimard, E. Pocket, P. Derosier, W. Argy, R. Farnsworth, J. Donahue, W. Libby, A. Corbier, J. Togneri, (lives in town, works in Millers); H. Daily, (outside man, High school).

## September 8

A Glorious Day for Turners Falls (a portion (MMCo.) will be given here. *e.g.*)

Labor Day was the greatest day in social activities this town has seen. It was planned by members of the Board of Trade, which means all the business interests, to keep the people at home, and attract others to see what a fine place we have and what a loyal community made up of all nationalities and shades of belief. It was truly a success, and the business streets early were a blaze of bunting and artistic decorations, by professional decorators, and the side and residential streets bore testimony to the fact that America is the home of the free and the one ideal government of all the earth. Everything was planned to go like clock-work, and like clock-work it did go. Most of the societies in the village either marched in line or were represented by floats, the few keeping out because of duplication of membership in other orders.

The Montague Machine company's trade float was quite effective in showing one of the substantial products of the village. A pulley weighing a ton, mounted on a shaft ready for business, showed some idea of what big business means. A small boy twirled a pulley on the same shaft to show the extremes of manufacturing.

## February 2, 1916

George H. Foley, for the past seven years foreman of the foundry department of the Montague Machine Co., has resigned, to become general manager of two large foundries in Gardner. He will take up his new duties to-morrow. Mr. Foley's men in the Montague Machine Co. presented him with a very handsome signet ring as a token of their esteem, L.E. Vatet making the presentation. In Montague, Jan. 31, Nan S. Field, aged 57y.

#### June 14

Arthur Mathieu, who has been employed as a machinist for the Montague Machine Company for the past 30 years, has taken a similar position with the Keith Paper Company.

## August 9

Alfred Guilbault, who has been employed by the Montague Machine Co., has gone to work for Equi Bros., where he formerly worked.

#### November 8

Miss Anna Shulda, formerly a stenographer for the Goodell-Pratt company of Greenfield, has taken a similar position with the Montague Machine Company of this place.

## August 1, 1917

The Montague Machine Company and Foundry was obliged to shut down yesterday morning owing to the intense heat: some of the other plants shut down at noon and other places which continued to run suffered from shortage of help.

#### August 29

The fire department responded to a still alarm Tuesday night for a fire in the foundry of the Montague Machine Company. Fire extinguishers were used and the damage was slight.

## November 14

# The Y.M.C.A. Red Triangle Campaign (a portion (MMCo.) will be given here. *e.g.*)

The local committee includes the following: Karl F. Miller and Thomas P. Frawley for the Keith mill; W. H. Ray, Jr. and A. W. Potter for the Turners Falls Power & Electric Co.; H. McC. Knickerbocker and W. H. Croft for the Esleeck mill; E. L. Taber for the McLane Silk Co.; E. L. Page for the Cotton mill; W. H. Roberts and J. Louis March for the John Russell Cutlery Co.; Wm. Argy for the Montague Machine Co.; W.L. Salmon and Joseph W. Hosmer for the International Paper Co.; B. F. Hinckley for the Hinckley Mfg. Co., and Wallace A. Marston and William A. Burnham for Montague City. The business men of Turners Falls will be called upon by Joseph A. Harlow, Michael Blassberg and Walter J. Rist.

#### January 23, 1918

Timothy Murphy of Park Street has resigned his position at the Montague Machine company foundry and taken one as foreman in a large foundry at St. Johnsbury, Vt. He will leave Jan. 28 to take his new position.

#### June 5

William P. Argy, who for the past 12 years has been superintendent, of the Montague Machine Co., has been appointed manager to succeed Wallace W. White, resigned.

#### June 12

John Mainguey succeeds William Argy as foreman at the Montague Machine Shop, Mr. Argy having recently been appointed general manager of the company.



Montague Machine Co. north exposure. Before the move to the south end of Turners Falls. c1918 e.g. archive

#### September 11

Lancelot P. Soule, foreman of the Montague Machine shop, has given up his position and taken one in New Haven Conn.

## April 23, 1919

The Keith Paper Company and the Montague Machine Company closed Saturday on account of the holiday.

## October 13, 1920

#### New Foundry and Machine Shop

The Montague Machine Co., a subsidiary of the International Paper Co., starts this week on the erection of a new plant at the corner of Avenue A and Fifteenth Street. The machine shop and foundry to be erected will be of the most modern type, equipped with all the newest machinery and appliances. The building will be brick and steel and will be of unit construction to facilitate the erection of additions in the future.

The company's new site is 190 x 240 feet, so there will be ample opportunity for future growth. The Foundation Co. of New York has the contract for the work.

The new plant of the company is made necessary by recent enormous growth of business. It is impossible to enlarge the present plant because of limited space. The company has been engaged for a considerable time in doing repair work for the various mills of the International Paper Company, and more recently has begun to manufacture new paper machinery. At present the machine company employs 50 men, but this number will be doubled when the new plant is occupied which it is hoped will be about March 1. Later on, the force may be increased to the plant's capacity of 500.

Much of the credit for this latest local industrial expansion is due to Manager William Argy, who has been largely instrumental in inducing the International Paper Co. to expand their Turners Falls plant, rather than to locate out of town.

#### November 24

Edward Schneider, who has been clerking for H.F. Seller for several weeks, has taken a position in the office of the Montague Machine Co.

#### February 16, 1921

George Starbuck & Co. have begun work on installing the plumbing system in the new Montague Machine Co. foundry.

#### March 2

John Murphy of Greenfield, a workman employed at the new building of the Montague Machine Co., was injured last Wednesday afternoon when he received a glancing blow on the head from a plank which fell about 20 feet from a staging. He was taken to the Farren hospital.

## April 6

## **Local Matters**

-A strike of painters and carpenters against a reduction in wages, began last week, and is affecting local jobs. Work on all is at a standstill, including work on the new plant of the Montague Machine Co., for which the Foundation Co. has the contract. dish is to be rechristened and will be known as the Turners Falls Inn.

-Contractor F. Martineau & Son are to build five new houses on O Street below 17th street, anticipating a demand for these houses when the Montague Machine Co.'s new shop is completed. More men will be employed at the new plant, and it is thought these new house\* will then be needed.

## May 18

#### Montague Machine Co.'s New Plant Nearing Completion

-The construction work on the fine new plant of the Montague Machine Co. has been completed and, when the electrical work is finished, the plant will be ready for the installation of the machinery. Manager W.P. Argy says that operations will begin in the new building in about two months. The new structure covers a floor space of 30,000 square feet with ample room for future expansion and will be one of the most modern and complete machine shops and foundries in this section.

-The Montague Machine Co. has bought a new Nash truck.

#### June 8

The employees of the L.K. Comstock Co., who have finished the electrical work at the new Montague Machine Co. plant, enjoyed a farewell dinner at the Sprague Cafe, Friday evening. Superintendent L. W. Wadsworth was toastmaster.

#### June 29

Work has commenced on building the new cement sidewalks for which appropriations were made at the annual town meeting. The walk on Fifteenth Street to the new Montague Machine Co. plant, is being laid, and other walks on Central, Prospect and Burnett streets will follow.

August 3

The Montague Machine Co. have moved into their splendid, modern new plant at South End, and are now operating in the new quarters. The plant is a model in every respect and its electrical equipment is especially noteworthy.

1922 No Montague Machine content. See Greenfield Gazette and Courier e.g.

Timeline for the changing-of-hands for the Clark & Chapman Machine Company.

1871 A.S. Clark along with Nathaniel Gilmore (foundry foreman) moves to Turners Falls from Bellows Falls, Vermont and form the Clark Machine Company.

1881 (January 5) Henry N. Heald partners with A.S. Clark to become the Clark and Heald Machine Company.

1882 (February 15) A.O. Wyman and Warren Burnham purchase the interest of then late Henry N. Heald, in the Clark & Heald Machine Co. The company becomes the Clark Machine Company.

1883 (January 3) Clark & Chapman sell their real estate and fixtures to the Turners Falls Company. The Clark Machine Company remains as such.

1903 (March 4) Clark Machine Company becomes the Turners Falls Machine Company.

1908 (April 29) the Turners Falls Machine Company becomes the Montague Machine Company which is active at present.

 $\sim$ end $\sim$ 

Greenfield Gazette and Courier

For hard copy



for PDF



## Greenfield Gazette and Courier

Periodic MMCo. Content

#### November 18, 1911

A heavy piece of shafting was received by the American express yesterday from New York, weighing 2600, on which the express to this point amounted to \$33. It was sent up to Turners Fails to be repaired by the Montague Machine Co.

#### Dec. 16

E. A. Rand of Fourth street has accepted a position as draftsman and water wheel expert with the Ally Bros. machine works of. Holyoke. Mr. Rand was formerly manager of the Montague Machine Co., and since the failure of that company several years ago he has held a fine position with a large water wheel manufacturing plant in Sherbrook.

#### June 5, 1915

A Turners Falls Shop League has been formed and baseball teams are now busy getting into shape for the series of games which starts the 19th. The Esleeck mill, the Keith mill, the Turners Falls Power and Electric Co., the Montague Machine Co., and the International mill have all started terms. The officers of the league are: President, A. I. Potter; secretary, Louis Hahn; treasurer, Wm. P. Argy; board of directors, W. T. Libby, A. R. Smith, Wm. H. Croft and Fred C. Abercrombie.

## **S**eptember 13, 1916

Pay Montague Tax

... Montague Machine Co. \$500.66 ...

#### August 4, 1917

#### Turners Falls News

The Montague Machine Co., and foundry and other mills in town were obliged to shut down Tuesday on account of the heat. Several, employes were obliged to leave work on account of heat exhaustion.

## Dec.22

The Red Cross membership solicitors expect to get 1000 new members in Turners Falls and Montague City this week. No work was done on Monday or Tuesday as the buttons and cards failed to arrive on time. The Esleeck mill, the Turners Falls Power and Electric Co., the Montague Machine Co., and the Wells Bros. Forge shop have been awarded cards for having 100 per cent efficiency.

#### January 26, 1918

Timothy Murphy of Park street has resigned his position at the Montague Machine Co., foundry in order to accept a better position as foreman in a large foundry at St. Johnsbury, Vt.

#### May 18

Wallace W. White, who recently resigned as manager of the Montague Machine Co., received a handsome shield last Monday as a gift of esteem from the employes of the company who hope that Mr. White will reconsider his withdrawal from the organization.

## **S**eptember 25, 1920

Warren G. Argy, who has been employed by the Montague Machine Co., here the past summer, will enter M. A. C, at Amherst next week. He is a graduate, of the Turners Falls high school, class of 1919.

#### Oct. 13

WANTED—Girl for general office work. Apply Montague Machine Co., Turners Falls

#### Dec. 11

Mildred Gulow has resigned her position in the Mass. Mutual Life Insurance Co., in Springfield, and will work in the office of the Montague Machine Co.

## January 17, 1921

WANTED 10 Bricklayers Wages \$1 per hour Apply to the Foundation Co. at the Montague Machine Co's New Plant at Turners Falls, Mass.

#### June 27 1923

Each day sees an added interest manifested in the big celebration of the fiftieth anniversary of Turners Falls, which takes place on July 4. If the weather man is kind on next Wednesday, the town will be the scene of the greatest celebration ever attempted in Western Massachusetts.

Enter Many Cars for Big Parade . . . Montague Machine Co. . . .

#### July 20, 1932

Turners Falls — Announcement was made this morning by James E. Waterhouse. manager at the Montague Machine company's Plant in the South end, that all employees of the company are to receive an 11 per cent increase in pay per cent increase in pay effective July 30.

The plant which manufactures paper mill machinery has received a number of orders and business has been Improving steadily of late. Recent orders received are expected to keep the plant in operation for several months and former employes who have been idle for several months are to be called back to work.

Montague Machine company is a subsidiary to the International Paper company and provided fairly steady employment for a number of local men until about six months ago when business fell off considerably. Its resumption of activities makes the local employment situation much brighter.

## Aug. 16

Machine Co. Has Unusual Record Montague Machine Co. Able to Provide Full Time Employment in Past Eight Months

TURNERS FALLS—While many other machine shops and mills in this town have been working on a part time basis during the past eight months, the Montague Machine company's plant in the south end has been working steadily and providing full time employment for its employes.

Devoted to the manufacture of paper-making machinery, the plant which is a subsidiary of the International Paper company, built several grinders in 1931 for the Great Northern Paper company to be used in the company's mill at East Millinocket, Maine. These grinders have a large capacity, produce a high quality of groundwood pulp and are both easy and economical to operate

It is understood the principles upon which the machines operate are protected by both United States and Canada patents and the design was worked out by the Great Northern Paper company engineers. The machines are very large, each weighing nearly 100,000 pounds, and have operated very successfully since their installation.

#### November 13, 1933

## Montague Machine Co. Grants Pay Raise

Turners Falls The Montague Machine company pat into effect today a pay increase of 11 per cent, benefitting every one of the 70 employees of the company. James E. Waterhouse, general manager, said today that, with the increase given in August, the pay scale was now restored to the 1931 level.

The company is a builder of paper mill machinery and has been able to furnish unusually steady employment throughout the course of the depression although, as in other industries, it was necessary to scale down wage scales for a time.

#### March 30, 1935

Turners Falls, Miss Ruth R. Holton, is the industrial nurse. International Paper Co. and Montague Machine Co.

## December 22, 1936

## Turners Falls Locations or Plants Said Sought by Two Large Manufactures

Turners Falls—Renewed industrial activity throughout the country has brought encouraging possibilities for Turners Falls.

While no definite information has yet been made public, it is understood today that two large concerns are desirous of taking over local plants for the manufacture of tome, if not all, of their products. It has been reported around town for several weeks, that one concern, either the General Electric Co., or Westinghouse Manufacturing Co., is desirous of taking over the so-called John Russell Cutlery building for the manufacture of some parts of which it is said could be made advantageously here.

It is known that the General Electric Co has had a plant in Turners Falls under construction for some years past and at one time came near locating one here.

During the past few weeks, it has also been reported that a manufacturer of paper machinery has also become interested in locating a plant here and it is said that it desires to secure the Montague Machine Co. building but how far actual negotiations have progressed has not been made known.

While similar rumors regarding new industrial plants coming to Turners Falls have been frequently heard in the past, increasing production which is now generally reported from factories and mills everywhere, has caused the public to give more credence to the present reports than it has those of the past.

## January 16, 1937

WANTED—Machinists and Moulders on heavy work. Apply Montague Machine Co., Turners Falls.

## December 13, 1938

Red Cross Roll Call Drive Yielded \$1,036 A Met! Creditable Result . . . Montague Machine Co. \$5.85 . . .

## May 8, 1944

Similar ads ran in the local paper into 1945.



#### January 23, 1953

Montague Machine Co. Planning Large Addition

Pres. James L Waterhouse of the Montague Machine Company announced plans for plant expansion which will increase space for the company's operations by about one-third of existing capacity.

The move, a result of steadily increasing production, may eventually mean creation of 25 new openings for men experienced in machine work. At present, the company, a subsidiary of the International Paper Company, at one time here, employs 100.

Expansion will include 14.000 square feet, most of this in five new bays. A four-bay addition 80 feet in length will be located on the east end of the existing building and the present office rooms will be converted to manufacturing space, making the fifth bay or a total addition of 100 feet.

Waterhouse explained a two-story office building will be erected east of the proposed addition, which places its location between Montague City Road and the plant itself.

Existing facilities at the plant including manufacturing space, the foundry and office, occupy 40,000 square feet, With the additions; biers there will be 54,000 square feet. The plant addition will be of steel and brick structure and the office of brick exterior and wood interior.

The concern manufactures a considerable line of paper mill equipment that is sold throughout this country and abroad. Total volume of business during the, past year approached the 1¾ million-dollar mark. The company has excellent relations with its employes with the result that labor turnover has been extremely small and many presently employed have many years of service. Fifteen men are now on the company's retirement plan.

Quotations for bid on the building program will be sought within the next two weeks, according to present plan. Architects are Hanson & Fisher of Pittsfield.

## July 10

## Montague Machine Co. Addition Near Completion.

Turners Falls—Plant expansion at the Montague Machine Company, increasing space for the company's operations by about one third of existing capacity, will be completed at the end of the month, Pres James E. Waterhouse said today.

Expansion includes 14,000 square feet in five new bays. A four-bay addition 50 feet in length is located on the east end of the existing building and the present office rooms will now be used for manufacturing space. A two-story office building Is erected east of the proposed addition between the Montague City Road and the plant The factory was constructed of brick and steel and the office of brick and wood.

Construction work was by the O.D. Purrington Company of Providence. Plumbing was installed by George Starbuck and Sons and electrical work was by Edward Stotz.

Existing faculties, including manufacturing space, the foundry and office, occupy 40,000 square 4eet. With the new addition, the structure will occupy 54,000 square feet.

The concern manufactures paper mill equipment marketed throughout this country and overseas. The present addition, a result of steadily increasing production, may eventually mean creation of 25 new openings for men experienced in machine work. The company now employs about 100.

#### Oct. 7

## Montague Machine Co. Adds Large Addition to Modernize Old Plant

Turners Falls Folks 15 who took the horse and buggy to work at the Montague Machine Company 45 years ago, when it first started operations, would barely recognize the plant today.

Recently completed, with the exception of a few minor details, is manufacturing space and offices adding 11 000 square feet of space, or almost one third added space.

Change in the manufacturing area, which is an addition to the existing facilities; is very noticeable both from the exterior and inside. The added 7,000 feet of floor space creates a hugeness in the area which must be seen to be appreciated.

#### **Better Offices**

Considerably more striking are the suites of offices on the Montague City Road side of the main, building. These, offices, which replaced two small crowded office rooms, are light, airy, roomy and attractive.

The offices, for the most part, are finished in a combination green ten-test wall board and natural birch plywood made by the International Fiber Board Company of Gatineau, Quebec, a subsidiary of International Paper Company. Montague Machine Company is also a subsidiary of IP.

The former office of Pres. James E. Waterhouse is now a modern, first aid and medical room containing a cot, cabinets and medical supplies. In what was, prior to the new construction program, the old office lobby, is now the office of Foreman Herman H. Denton.

The total added office space is 70 by 28 feet, on two stories. This includes, in addition to the general office, offices of the president and vice-president, secretary to the president, vault rooms, engineering office, tile rest rooms and storage space.

#### Contractors

Installation of plumbing and heating facilities was by George Starbuck & Sons, Inc., on a subcontract from O. D. Purrington Construction Company of Providence, general contractor. The late Eugene F. Staiger, employed for many years by the Starbuck concern, was supervisor of the plumbing and heating work. This was the last major job he was to accomplish.

As a second interesting local angle, the lintels (window sills) of artificial stone were supplied by the Architectural Stone Company which is located near the Montague Machine Company on Avenue A Extension. Architectural also supplied the roof coping.

Interior of the offices is in a combined color scheme of light green upper wall and natural birch lower wall. The office of the president is in stained birch, a deep mellowed shade.

Opposite that office, which is 16 by 12 feet, is a smaller office foe his secretary. Adjacent to the president's office is a small room utilized as a conference room. It is here that problems of production are discussed and solved by officers and engineers of the company.

#### Large Office

The main office, only other office on the first floor, is 30 by 17 feet. In every instance the offices are lighted with double rows of fluorescent lights and they have several large steel sash pivoted windows and inlaid linoleum floors. Ceilings are of white acoustic tile, a product of the International Fiber; Board Company.

Offices on the second floor are those of Vice - Pres. George W. Wallenius and the engineering department. Wallenius' Office is 17 by 12 feet and the engineering room, 40 by 17. This and the main offices are adjacent to vault rooms 10 by 30 feet. In here are stored the records, blueprints and other data. Sprinkler heads are installed throughout as a fire prevention measure.

The entire building is of cinder block tile faced with brick. In the factory itself the steel frame of the old building. Highest point in the manufacturing area, from floor to ceiling, is 32½ feet. The roof is of Barret specification tar and gravel.

A foundation has been completed in the factory for a new 60-ton planer, one of the many huge pieces of machinery used by the company in its manufacture of machines and machine parts shipped to paper and other manufacturers throughout the world

## Change of Names

Prior to 1908, when it was purchased by International Paper Company and named the Montague Machine Company, name of the firm was the Turners Falls Machine Company, founded in 1897.

The firm name is in large letters over the door of the new structure, printed in curved polished stainless steel with a similar background.

Architect J.R. Hampson of Pittsfield designed the building to utilize every inch of space. Between the offices are toilet rooms, each finished in attractive tile, and storage space for papers and other supplies, entirely separate from the vault rooms.

In the process of building, separate heating plants for the offices and factory were converted from coal to oil. A new electric switch panel will be installed in the plant later this month. All machines are electrically operated.

#### **Local Business**

All sub-contracts, were awarded local businesses by the general contractor. In addition to Plumbing, Starbuck also did the heating and oil conversion. Painting and linoleum were by Couture Brothers, Inc., and electrical work by Edward W. Stotz, Inc.

The expansion by the company, which employs about 100, will mean added employment although no definite figures have been set.

Pres. Waterhouse has extended an invitation to anyone interested to visit the plant facilities anytime during reasonable hours. The company and employees have great pride in the new facilities and it is an equal source of pride to the town.

Those who take advantage of the invitation are in store for considerable surprise when they see the vast space in the manufacturing plant and the ultra-attractive offices.

## January 18, 1954

#### Area Business Seen Good

... Montague Machine Co., Turners Falls — Employment up 5 per cent from 1952-53 level of 125; production same but narrower profit margin; adding new line of tube winding equipment....

## June 26, 1955

Montague Machine Co. employees will be on vacation July 25 to Aug. 8. Information on vacation schedule was not available at the Rockdale Co.

PPP 1955

## Old Car in Montague City Sold to Industry

Turners Falls—James E. Waterhouse, president of the Montague Machine Co today announced the purchase by his company of a part of the old Montague Rod and Reel Co. A reported \$10,000 changed hand in the deal. The purchase, land and buildings at the intersection of Main and Depot Streets, Montague City, known popularly as the

The purchase, land and buildings at the intersection of Main and Depot Streets, Montague City, known popularly as the car barn, was authorized Sept. 15 during a meeting of the board of

directors of the Montague Ocean City Rod and Reel Co. in Philadelphia. The authorization to sell is signed by Paul J. and Victor L. Johnson, president and vice-president of the company.

Waterhouse stated the property will be used by his company exclusively as a storage warehouse. The Rod Shop used it for storage also. He said there are no plans in the foreseeable future which include the probable use of the site for any other purpose.

It was recently reported that an unidentified Vermont wood-working firm had bought the main plant of Rod Shop and will start operation here soon. The Rod shop closed July 15 after more than 80 year of continuous operation.

## October 29, 1956

## Turners Firm's Ahead Disagrees with Editorial

TURNERS FALLS - Pres. James Waterhouse of Montague Machine Co. today took exception to a Recorder-Gazette editorial published Thursday which stated, in part:

"Now it (local industry) has been reduced to taps and dies, tapioca, paper and silverware. Perhaps not quite that thin but surely Franklin County can no longer stake its future on manufacturing."

"No mention was made," Waterhouse said, "of paper making machinery manufacture in which Franklin County holds rather an important position."

Over the past 25-30 years, he stated, more than 75 per cent of all pulp grinders bought in the country have been built by Montague Machine Co. in Turners Falls. Over the past 10 or 12 years, he added, a large segment of all rotary pulp screens purchased in the country have also been "built in this plant".

Montague Machine is currently shipping pulp grinders to Maine, Alabama, Oregon and Arkansas. These machines weigh 75,000 to 175,000 pounds each.

Rotary pulp screens are being made for shipment to Maine, Pennsylvania, Virginia, North and South Carolina, Mexico and Florida. Besides these leading lines, Waterhouse said, the company manufactures much miscellaneous equipment for the paper-making field.

Machine tool equipment, he said is constantly kept up to date by replacement of obsolescent equipment with new equipment of the very latest design.

Among recent installations have been a five-inch horizontal boring machine, a 60 and a 36-inch open side planer and an additional six-foot radial drill. "The plant." he said, "continues to run on an overtime schedule as it has for the past 10 years."

Three years ago Montague Machine Co.'s plant was enlarged by one third and Waterhouse disclosed, "additional floor space is already needed".

## July 1, 1957

# Turners Area Factories Closing for Long Week-End, Two Weeks Off

Montague Machine Co. workers will have their two weeks off beginning July 29. The office force, shipping and finishing department crews will take their vacations cm a staggered schedule. . .

## January 11, 1958

## **Employment Holds High**

A bright employment picture, amid large layoffs and shorter work weeks in some types of industry, was reported today by Franklin County" paper mills:

. . . At Montague Machine Co., in Turners Falls, a subsidiary of Intentional Paper Co., a few men have been laid off temporarily. Pres. James E. Waterhouse said the firm has been on a 40-hour week since September. . . .

#### Feb. 15

TURNERS FALLS — Arthur T. Mathieu, 66, of 22 Park Street, retired this week after 50 years' employment by the Montague Machine Co. and its predecessor, the Turners Falls Machine Co. He is the first to retire with that many years of continuous service. Mathieu's father was employed by the firm for 44 years and one of Arthur's sons, Alfred, of Turnpike Road, has been employed at Montague Machine 20 years, making a total of 114 years' service by the Mathieu family....

## April 21

#### Four Day Week Starts for 240 in Turners Falls

First effects of the nationwide recession have Franklin County's paper-making industry, which now has 240 men on short time. . . .

Other paper plants in Turners Falls reported a battle to keep full employment during the slack period. At Montague Machine Co., manufacturer of heavy paper-producing machinery and subsidiary of International Paper Co., Pres. James E. Waterhouse said 70 men in the shop are on a 40-hour five-day week but 30 in the foundry are working only four days, 32 hours, starting last week.

#### February 26, 1959

William Bettes is a patient at Farren Memorial Hospital. where he was taken following an accident. He received a burn on a foot from bet metal at the Montague Machine Co., Turners Falls, where be 'works. He will be in the hospital several weeks.

#### Dec. 23

Montague Machine Co. will be closed Christmas Eve, shutting down Wednesday night and reopening Monday, for a four day week-end for its employees.

## January 13, 1960

#### Montague Plant Workers Obtain 15-Cent Raise

TURNERS FALLS — General wage increases of 15 cents an hour over a two-year period have been gained for 45 employees in the machine shop and foundry at Montague Machine Co. by International Association of Machinists, Montague Lodge, 1803. . . .

## June 20, 1961

Montague Machine Co. will close for vacation the week of July 24 and the first week of August.

#### Oct. 11

#### Five Factories Open Turners Tomorrow

TURNERS FALLS—Five local factories will be operating on the Columbus Day holiday under a special public convenience permit issued by selectmen. Granted permits for work Thursday were Strathmore, Paper Co., Esleeck Mfg. Co., Montague Machine Co., Alpine Wood Products, Inc., and Judd Wire Mfg. Co.

#### Dec. 20

## **Snow Storm Cripples County**

. . . Factories closed because of a lack of electricity or not sufficient power, included Montague Machine Co. in Turners Falls, where there was power but not enough to operate its heavy machinery . . .

## January 20, 1962

#### Montague Machine Drives for 61's Perfect Record

TURNERS FALLS - When a manufacturing plant goes a full year without a single lost-time accident—which doesn't happen often—management is understandably happy.

When the plant has as many strikes against it, safety-wise, as Montague Machine\*Co.—but proceeds to rack up nearly 200,000 work hours without a single serious accident—an extremely efficient plant safety operation is in cheated.

The people at Montague Machine are happy and extremely efficient when it comes to safety. They can reflect back on a year in which hundreds of safety suggestions were honored with the envious result that the National Safety Council will this year report the firm as one of the very few manufacturers with no time lost in 1961 due to industrial accidents.

MONTAGUE MACHINE has every reason for having accidents on the job. It has huge equipment and supplies moving from spot to spot. It uses machines which, if not watched closely, could rob a man of his arm or throw treacherous steel in his eyes. The men work with white-hot metal, which could splash and stick like glue.

But they also have a dedicated interest in safety, which is their salvation.

Industrial safety doesn't just happen. It takes concentrated, constant effort. In the case of Montague Machine, a safety committee has been in existence for many years.

For most of these years, according to General Chr. James Waterhouse, the committee didn't seem to function as it should. He and Plant Mgr. George Wallenius mulled over the problem, looking for a solution. Then, in what Waterhouse considers a moment of genius, they selected to run the committee a man working right under their noses in the machine shop.

If there's such a thing as a hero in the manufacturing world, George Hastings, Jr., fills the bill at Montague Machine. Waterhouse and Wallenius have nothing but praise for him.

"Since he was elected chairman of the committee, says Waterhouse, "the plant has had a better safety record each year leading up to the grand finale in 1961. Without question, Mr. Hastings, more than any other individual, was responsible for the success this year." He has been chairman three years.

THE COMMITTEE, composed of Hastings, Waterhouse and Wallenius; Matthew Podlenski, foundry foreman; Oliver Emond, machine shop foreman; Anthony Ogonis, foundry employe representative; and Gertrude Hood, plant nurse, meets near the end of every month. Members note any safety hazards they may have observed and the entire operation, from the foundry to the pattern shop to the machine shop, is analyzed as to accident potential. With various department foremen in attendance, it is a simpler matter to see that remedial measures are taken promptly.

The meeting also gives Hastings an opportunity to ask management for posters, literature, advice or equipment he wants for use in employe safety education or accident prevention. Based on his recommendations, the committee is authorized to spend money for such items as safety goggles, guards, eye shields, leggings for metal splash and even a new section of flooring. Based on committee findings, a report goes on the boards each month urging, for example, wearing steel-toe safety shoes or a recommendation to lessen material congestion in a certain area. The entire shop has been made safety conscious through the efforts of the committee. For several years lost-time accidents seemed to be concentrated in the first three calender months. By being especially observant and cautious, the committee managed to lessen the accident rate in that period of time each consecutive year. The system, then, is based on finding the problem, isolating it, analyzing it and doing something about it.

EVEN OUTSIDE the plant, safety has been a strong consideration. Because a parking area available to employes was jeopardized by truck traffic, the company last fall set up a new employe parking lot-comprising 1700 square feet to alleviate the dangerous situation.

The record is admirable and the good intentions might easily be replaced by complacency. But Montague Machine isn't about to relax and rest on its laurels. The meetings will go on and troubleshooter Hastings will continue to have eyes in the back of his head. Could be another perfect year coming.

#### April 6

Wednesday, 1:35 p.m. Montague Machine Co. carbarn<sup>10</sup>, Main St., Montague City, fire alarm dry valve tripped, setting off alarm. No fire.

#### February 6, 1964

TURNERS FALLS—Safety, like religion, is often preached must not always practiced. Not so at Montague Machine Co., which recently passed a milestone in the history of Industrial safety M three years without a lost time accident. . . .

The building is the former Greenfield and Turners Falls Trolley carbarn. It exists presently (2021) as a warehouse for stone mason ???

Oct. 26

## Low Air Pressure Causes Fire Alarm

Turners Falls—Firefighters were summoned to the Montague Machine Co. storage building at Depot and Main Streets in Montague City Tuesday at 10:35 p.m. Air pressure in an independent fire alarm system dropped below minimum requirements, setting off an outside fire bell. Air pressure was restored with no damage, Fire Chief George E. Riel said.

## March 24, 1965

... A new road is under construction from Montague City Road to the Montague Machine Co. on Avenue A Extension, This \$2,000 project is being done with highway maintenance funds.

April 20

#### Montague Machine

TURNERS FALLS — The largest pulp grinder in the world is rapidly' nearing completion at Montague Machine Co.

The grinder is the first of five being built for Catawba Newsprint Co. of Catawba. S.C. It will be used in the manufacture of newsprint and is being built for a competitor of the International Paper Co., the parent company of Montague Machine.

Montague Machine vice President and general manager, George W. Wallenius, described the machine as "the largest of its kind in the world". It weighs 115 tons complete, is 28 feet long, 26 feet wide and nearly 12 feet high.

It is powered by a 10,000 horsepower electric motor and in nearly every respect is at least one-third larger than any pulp grinder built before.

Old hands at producing such machinery, Montague designed this one all the way, drawing on 45 years of. experience in building smaller machines and observing their operation. Grinders, three or four of them a year, usually, are built often for competitive paper companies.

Montague has built machines for Great Northern Paper Co. of Millinocket, Me., and the Koehring-Watrous Limited, of Brandford, Ontario. The new huge grinder represents the best qualities of grinders made for these firms, plus some new Innovations as well.

Montague is one of very few. firms in the country manufacturing this equipment. The Roberts grinder is manufactured in Watertown, N.Y., and there are such firms in Germany and Finland.

The plant's assistant manager, Robert R. Hawkes, estimated 95% of his company's grinders are made for I.P.C. competition. He estimated this huge machine cost more than \$150,000 to build exclusive of the motor, reducing gear and grinding stone.

Work here includes manufacturing of a giant shaft 19 feet long weighing 21,300 pounds. It is threaded in four places with a three-quarter inch square double thread and supports a 10-ton grinding stone 67 inches in diameter 69 inches long.

Threaded flanges which lock against each other on the two inside threaded sections, are four feet across, brass lined and weigh over 5,000 pounds. The outside threaded sections are for a lock nut.

The new giant of the news-print making industry is so designed that it grinds continually at one end while reloading at the other.

Firms from all over the country will have a part in the finished product. The 10,000-horse power motor is made by a firm in Minneapolis and will produce 900 revolutions per minute.

A gear reducer comes from California which will reduce revolutions in the grinding stone to 300 to 400 per minute.

Catawba has ordered six grinding stones, three of them from a firm in Worcester and three more from Niagara Falls, N.Y., to go with the five grinders Montague is producing this year. The sixth stone will be used as a spare.

Shop foreman Oliver Emond described how the machine is constructed virtually from scratch right a Montague, completely assembled and given every conceivable precision test short of actually running it. It is then assembled and packed and wrapped where practical and shipped to the customer.

#### June 23

The foundry at Montague Machine Co. will shut down for two weeks beginning July 26, Mgr. George Wallenius said. Shop and office personnel will receive vacations on a staggered basis and will be open for business during the two-week period. The company employs approximately 75.

#### Nov. 15

. . . Montague Machine Co., operating on a six day schedule, will give employes a day off Christmas Eve, Vice Pres. George Wallenius reported. . . .

#### Dec. 21

Montague Machine Co. will close the day before Christmas. has been the day before New Year, General Mgr. George Wallenius said. No bonuses will be paid, but employes will have a Christmas Party in the Gables Restaurant tonight.

## April 13, [1966]

#### Turners Firm's Product for New Paper Mill

Turners Falls — Pulp grinders and pulp screens for a new International Paper Co. factory in Pine Bluff, Ark, will be manufactured at die Montague Machine Co. here.

Pres. James Waterhouse of Montague Machine said the contract will mean a continued high level of employment for company employes. Montague Machine is a subsidiary of I.P.

Work on equipment for the Pine Bluff newsprint and bleached kraft board mill will start about the first of next year, Waterhouse said. He said delivery will be made next fall.

Cost of the Arkansas mill will be 57 million dollars. I.P. is also completing work on a 115,000- ton newspaper mill at Mobile, Ala.

#### June 13

Wanted-Mechanic Draftsman or Machine Designer. Permanent Position. Apply at Montague Machine Co. Corner Ave. A and 15th St., Turners Falls, Mass.

#### July 18

#### 7 Saturday Fires

Turners Falls—A rash of fires over the weekend, believed to be the work of an arsonist, have resulted in securing a specially trained law enforcement official from the State department of natural resources. Montague Fire Warden Harry S. DeWolf said today. Seven fires were reported between 1 and 9:45 l from Montague Machine Co. south to Farren Memorial Hospital and south of Warner St. in Montague City, Fire Chief George E. Riel said. . . .

August, \_\_

Police Chief Edward W. Hughes said today that Montague Machine Co. has agreed to underwrite the cost of 500 "school's open — keep kids safe" banners to be distributed throughout town.

#### Oct 10

#### Power Failure Halts Production 20 Minutes

. . . At Montague Machine Co., employees were beginning to leave when the power returned. Others throughout the town either discharged their day shift workers early or waited out the failure. . . .

## **S**eptember 20, 1967

#### Montague Revaluation

. . . Most industries are getting their valuations increased but their tax bills will drop because of the lower tax rate. Montague Machine Co. from \$106,000 to \$150,000 . . .

#### April 20, 1968

#### Montague Makes Huge Grinder

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#### May 5

#### Workers Win Safety Award

TURNERS FALLS - A record of two full calendar years without a lost-time accident led to the honor of safety awards to Montague Machine Co. employees at the annual awards banquet of the Safety Council of Western Massachusetts and the National Safety Council in Springfield Tuesday.

## **Sept.** 20

Foundry Help Wanted Apply MONDAY thru FRIDAY 8 A.M. To 3:30 P.M. MONTAGU E MACHINE CO. Turners Falls

#### June 19, 1969

Help Wanted NIGHT WATCHMAN Apply to Montague Machine Co. Turners Falls Between 7 am. & 3:30 pm. "An Equal Opportunity Employer"

#### July 31

# Montague in Dusty Golf Lead

Montague Machine Co. swept to the front with six big points in Dusty Golf League competition at Mohawk Meadows last night. The Machine club leaped to 23 points for the half, Jumping ahead of Millers Falls Paper with only three points for a total of 21. And Mohawk Park

also chalked up six last night to reach 21 and share runner-up honors with the paper team. Lunt's Silversmiths are next with 16, Strathmore Paper has 14 and Yankee Atomic 12 In keen competition. Lou Roth had 35 for low gross and Ron Weller shot a 28 for low net last night

#### Dec. 26

#### Most Area Factories Not Working Today

A check of six area factories today disclosed that the storm has had little effect on their operation. All but Bendix Corp: and one other reported that their plants are closed down until Monday according to prior arrangement and that the decision was made before the big storm. A Bendix official said this tempt to check with Greenfield Tap & Die Corp. was unsuccessful, nobody answered the telephone.

Millers Falls Co. reported that only its office staff was on duty. Montague Machine Co., Esleeck Mfg. Co. and Strathmore Paper Co., all in Turners Falls, and the Kendall Co. in Griswoldville, reported complete shutdown until Monday, extending the Christmas holiday-for their employes.

## May 20, 1971

## Montague Machine to be Honored

Montague Machine Co., Turners Falls will be one of 11 Western Massachusetts companies receiving awards at the annual Safety Council of Western Massachusetts banquet at the Highpoint Motor Inn Tuesday in Springfield. This is the only Franklin County firm to be honored.

Montague Machine, which duces paper and pulp mill machinery, will received one of 11 statewide occupational safety awards, winning in the iron and steel products division. Anthony Ogonis of 119-Shelburne Rd., who will accept the award for the company, will also receive a certificate of commendation from the National Safety Council.

The certificate, which comes as a surprise to the company, requires accident free work record at the plant of 1,000,000 to 2,000,000 hours.

#### May 5, 1972

The Federal Agency of International Development (AID) has announced that three Franklin County firms received a total of \$48,592 in AID financed orders from July through December, 1971.

The Millers Falls Co. of Greenfield, Montague Machine Co. of Turners Falls and the Rodney Hunt Co. of Orange were among companies providing commodities for AID financed programs in underdeveloped nations in Asia, Africa and Latin America.

#### Dec. 14

Fire Dept. Log — 1:40 p. m. Montague Machine Co., Avenue A extension, wind coming down chimney created backdraft, blowing smoke into office. No actual fire.

#### January 16, 1973

#### Wallenius Retires; Hawkes is Promoted

Turners Falls—C.E. MacDonald, president of Montague Machine Co., 11th St., announced the retirement of George W. Wallenius, vice president and general manager. Wallenius retired Dec. 31 after 43 years with the company.

MacDonald also announced the appointment of Robert W. Hawkes as vice-president and general manager of Montague.

A graduate of Rensselaer Polytechnic Institute, Wallenius joined Montague in 1929 as a draftsman. In 1936 he was named plant superintendent, and in 1953 he was appointed general manager.

In 1954, Wallenius supervised a major expansion of Montague's machine shop and the construction of new office facilities. The expansion enabled Montague to produce some of the largest pulp grinders in the world. Today Montague grinders and centrifugal screens can be found in pulp and paper mills throughout the United States.

Wallenius and his wife, Josephine, will continue to reside at 14 Worcester Ave.

Hawkes joined the company in 1945 as a draftsman and in 1955 was named assistant plant manager. In this capacity his duties were expanded to include sales, installation and field start-up of Montague pulp grinders.

Hawkes is a member of the Technical Association of the Pulp and Paper Industry and for the past eight years has served as secretary of its Mechanical Pulping Committee. Hawkes and his wife, June, reside at 17 East Myrtle St., Orange.

## June 11

GOLF – The Vernon Yankee Atomic Plant moved into first place in the Eastern Division of the Industrial Golf League with a startling 15½-8½ win over Yankee Atomic. George Ainsworth led the way firing a low gross 37 over the Mohawk Meadows Golf Course. Western Massachusetts Electric Co., with the low net scoring of Bill Semania and Arnie Drew (each fired a 31), topped Montague Machine Co., 13½-10½. Montague's Joe Simanski was closest to the pin on No. 6 landing 10% feet from the cup.

#### July 7

CITED — Montague Machine Co. and two other Western Massachusetts firms have been cited by the Pioneer Valley Air Pollution Control District. The district will conduct a public hearing Aug. 8 at 10 a.m. at its Springfield office.

#### August 9

TURNERS FALLS — The Montague Machine Co. will present final plans to state and federal agencies for meeting air pollution standards before the end of September. A representative of the firm informed the state Department of Public Health of the company's belated effort to meet federal and state standards at a hearing in Springfield Wednesday. The Environmental Protection Agency (EPA) has set July 1974 as the deadline for all polluters in the country to meet the federal guidelines . . .

#### August 18

# Montague Machine is Up For Sale

TURNERS FALLS — The Montague Machine Co. is "under negotiations for sale", according to a spokesman for the parent company.

Albert Oetken, vice-president of The New York-based Paper Co., which owns 100 per cent of the Montague Machine stock, said Friday IP has been negotiating for the sale of the plant for "a number of weeks".

Oetken noted he does not know if a sale has been made at this time. "I've been away for a few weeks and I don't know if the sale has been consummated yet or not," he said.

He said the individuals who have been working on the sale of the plant would be available for comment early next week.

Rumors of IP dumping the foundry plant have been in circulation since the state first ordered the plant to incorporate air pollution devices a number of years ago.

Last week, Director of Air and Water Management of IP Keith Fry notified the State Dept. of Public Health the restrictions being placed on the plant might force it out of business.

Fry said the parent company was looking into a number of alternatives for correcting the particulate emission pollution from the plant. One of the solutions was the outright sale by International Paper.

Fry said his department would present suggestions for the solving of the problem to the Board of Directors of the Montague plant by the end of September.

"But, our suggestion would be of how to actually correct the particulate emissions from the cupola," he said. A cupola is a furnace in which metal is heated and moulded[sic] for the machine parts worked in the plant.

"The board would also have the option of deciding if our suggestion was too expensive and that the plant should be sold instead", Fry said.

#### August 22

## Sale Agreement Near for Montague Machine

TURNERS FALLS — The sale of the Montague Machine Co. is apparently nearing the final stages of agreement according to sources in the company.

The firm is owned by the New York based International Paper Co. Officials in IP said last week negotiations are underway for the sale. However, the officials directing the sale have repeatedly avoided making any definite information available to The Recorder.

Sources in the Turners Falls plant however, have said the sale is nearly complete with a Boston real estate broker. An individual, identified as "Mr. Pierce", is apparently about to sign the final papers for the purchase of the machine plant.

Meanwhile, rumors that IP is dumping the Montague facility because the federal and state pollution controls now required are too costly are apparently untrue. One informed individual in the company said Tuesday the reasoning behind the sale is still uncertain.

"But, it's not because the pollution controls will cost too much," the source said.

The plant operates a furnace for forging machine parts which generates an excessive amount of particulate emissions. International Paper has been negotiating with the state Public Health Department for an extension of the Jury 1974 deadline for halting the pollution.

One official in IP has said the equipment necessary for cleaning up the furnace may be too costly and IP may drop the company on those grounds.

#### September 5

# **Industrial Golf League**

GILL—Farrell Johnson fired a low gross 36 and also walked away with nets honors with his 33 to lead Montague Machine Co. past Yankee Atomic Power Plant 13-11 to win the Industrial Golf league title Tuesday at Oak Ridge Golf Course. The champs are Farrell Johnson, Mike Nagle, Joe Simanksi, Leon Dubreuil, Ray Morin and Ed Bialecki.

## September 10

# IPC, You Perhaps Leaped Too Soon!

TURNERS FALLS—The legislative committees last have dropped its hot potato prematurely.

The sole owner of the Montague Machine Co. has been negotiating the sale of the foundry plant for a number of weeks. The latest word from sources in the Turners Falls company is the sale has been or is nearly closed and an official announcement is dur shortly. The sale by the New York paper company is reportedly to an individual in Boston.

The reasons which apparently convinced IP to drop the firm may, if the Nixon Administration has its way, be removed. At a public hearing with a representative of the state Board of Public Health last month, an IP spokesman hinted the stringent air pollution standards were too much for the massive paper producing company to be bothered with. Rather than purchase, install and regulate equipment needed to dean the emissions from the plant's furnace, IP apparently decided to get rid of the problem and let someone else worry about meeting the emission regulations.

Now, the Environment Protection Agency has apparently bowed to pressure from industry and is asking the Congress to modify the pollution standards to allow industry to judge if any cleaning up should be done.

THE PROPOSAL, pumped into the long, dark tunnel of legislative committees last week, would allow an industry to continue polluting at the present levels until it was proven there was a danger to public health. And, that decision would be made by the polluting company itself based on readings from monitors placed around the plant at company expense. In most cases the monitoring equipment would be much less costly than the anti pollution devices.

What it means is, if the Congress passes the bill, Montague Machine could continue using its present coke burning furnace as long as it could be proven there is no threat to the health of the surrounding population. EPA officials have said the "new-proposal-would-be-felt more by the firms in high population areas where pollution levels tend to increase e rapidly due to the concentration of industry. But, in a rural area, such as Franklin County, where pollution is quickly dispersed serious danger to public health may never arise.

MEANWHLLE, Montague Machine, because it is a small company and does not need the full use of the large furnace, only fires up the device an average of two hours each working day. While it is in operation, the furnace does emit particulate pollution above the federal and state minimum standards. But, some officials in the company argue, because the furnace is working only two of the 24 hours in each day, the emissions have sufficient time to disperse into the atmosphere. of the arguments presented at the hearing in Springfield for extending the deadline for installing the pollution devices.

If that can be proven to the federal government, the bill presented last week may be just what Montague Machine was hoping for.

#### September 13

# Montague Firm Buys Machine Co.

TURNERS FALLS—The Montague Machine Co. has been purchased by a Montague firm from a New York-based corporation.

Robert W. Hawkes, former manager of the machine manufacturing company, said Wednesday the new owner is Montague Industries, Inc. the sale way by International Paper Co., Inc.

Hawkes said he is president of the new corporation and S. J. Pierce of Wilmington is treasurer-director.

Hawkes said the move "is a good one, in that a small plant in a large corporation tends to be forgotten part of the time." He said the new owners will have the time to work on many of the problems in the plant.

The new firm has acquired the business at Ave. A Extension and 15th St. by stock in IP Montague Industries, Inc., has not taken title to the physical property but it will serve as the sole operator of the business Principles declined to disclose the money involved.

The firm, which manufactures large machines used in the processing of pulp for paper.

# September 17

Ad:

EXPERIENCED MACHINISTS WANTED 8 A.M. to 3 P.M.

MONTAGUE MACHINE CO.

Turners Falls, Mass. "An Equal Opportunity Employer"

## May 14, 1974

## Montague Machine Hits 75

TURNERS FALLS—The Montague Machine Co. has operated under various managements in Turners Falls for about 75 years.

The firm was originally owned by the International Paper Co. - which operated a paper mill on the Connecticut River near the Turners Falls Dam. As the demand increased for complex machinery needed in the production of paper, the machine shop of die mill was moved in 1920 to its present location on 11th St. Prior to that the shop was in the mill complex on Canal St.

The foundry and machine shop manufactured goods for both the parent company and other firms during those years. But, in the early 1930s the paper mill closed leaving only the machine shop under the new title. Montague Machine Co.

The company was profitable and continued in the manufacture of paper making machinery for more than 100 paper mills in the International Paper Co. organization.

Then, in September of 1973, after a series of financial problems in the parent organization the firm was purchased by two local businessmen.

Robert W. Hawkes, who was manager of the business prior to the sale, became president of the new organization which maintains the same name, and S. J. Pierce, treasurer.

Charles P. Davico is vice president in charge manufacturing and Farrell Custom Machine parts are also Johnson is vice president in charge of sales.

The company presently employs about 80. up from 65 when the new management took over. An additional 8000 square feet of floor space in the foundry area and another 6.000 square feet of storage space will be provided with the construction of two buildings in the fall.

A new electric cupola, used in the melting of steel, will be installed soon in the facility to comply with Environmental Protection Agency guidelines according to Hawkes.

The largest selling product of the firm is a centrifugal grinder used in the production of wood pulp. Other items are tube winders, web skivers, heading presses, low consistency regulators, roll transfer cars and track and fluid stream samplers. Custom machine parts are also manufactured on special order.

Among the largest customers are Jones and Lampson Co and Norton "Construction Co. of Worcester.

## August 24

# Negotiations Underway on Machine Co. Sale

TURNERS FALLS – Montague Machine Co. owners Thursday officially confirmed week negotiations for sale of the Turners Falls plant, though no final decision has been made.

A spokesman for International Paper Co. of New York, which owns 100 per cent of the stock in Montague Machine said the firm is cost of "exploring the possibility of selling its small, wholly owned subsidiary." The statement confirms an unofficial report from an IP vice-president, Albert Oetken, last week that the sale was being looked into. Another plant spokesman said earlier this week a Boston buyer has indicated to IP a strong interest in the purchase but that no formal agreements have been made.

IP has suggested to the State Department of Health that the cost of updating the furnace generating particulate pollution, to meet state pollution standards may be too great for the firm to absorb. IP has asked for an extension of the July 1974 agreement deadline for meeting the standards.

## March 1, 1975

# Montague Machine Opening New Buildings Soon.

TURNERS FALLS—The Montague Machine Co. on 11th St. will open two new buildings within a few weeks, according to Pres. Robert Hawkes.

The buildings which will double the floor space of the foundry area, have been under construction four months. According to Hawkes, the new structures add 14,000 square feet.

The firm manufactures cast machine parts for larger firms in the northeast. He said the crews are currently working on machines for a large company in Connecticut. Purchased a year ago from the International Paper Co. by several area businessmen, the firm has doubled its payroll to about 100 persons.

S. J. Pierce is treasurer; Charles P. Davico; vice-president in charge of manufacturing, and Farrell Johnson, vicepresident in charge of sales.

"With the new buildings we will be able to increase the capacity of our foundry as well as getting some much needed storage space," Hawkes explained.

A new sand system also is being installed The project incorporates a sand silo and air delivery system that feed the sand used in molding operations to a resin mixer.

"We will be seeking more expanded product lines in the near future," Hawkes said.

The facility was originally used as a machine shop when IP operated a large paper manufacturing company on the Turners Fans canal. When the null was closed in the 1930s, the shop remained as a supplier for the many other paper mills of the large corporation.

Montague Machine's largest selling product is a centrifugal grinder, which is used in the production of wood pulp. Other products are tube winders, web skivers, roll beading presses, tow consistency regulators, roll transfer cars and track and fluid stream samplers. Custom machine parts are manufactured on special orders. Among its largest customers are Jones & Lampson Co., and Norton Co. of Worcester.

#### October 9

# Montague Firm Buys Vermont Tool Maker

TURNERS FALLS—The owners of Montague Machine Co. have purchased one of Vermont's oldest businesses, Patch-Wegner, Inc. of Rutland.

Montague Industries, which purchased Montague Machine two years ago, purchased the southern Vermont business which was founded in 1857, for an undisclosed amount. The firm, which employees 92 people, manufactures stone-working tools used in the state's granite and marble industries.

According to Pres. Robert Hawkes of Montague Machine, the business has a foundry and machine shop similar to the Turners Falls plant. Some work could be shared between the two locations, he said.

The Vermont facility will be renamed Vermont Foundry and Machine Co., Inc. Charles P. Davico, Jr., president of Montague Industries, and John W. Scobo, vice president in charge of operations, will head the new business.

#### December 11, 1976

## Turners Falls Students Work as Shadows on the Job

TURNERS FALLS—The Industrial Arts Department at Turners Falls High School has devised a new program it calls "Project Shadow".

It is a work program that gives students an opportunity to view the nature of a job by "Shadowing" or following a worker.

The idea was originated by Richard Kossakoski, chairman of the Industrial Arts Department, with the help of Guidance Department Chr. Robert Avery. The project was approved by the Gill-Montague School Committee.

The program is open to students in Grades 9-12 who are enrolled in the industrial arts program. Business education students will be involved later. Both boys and girls will be included.

The first placement is at the Montague Machine Co. shop under direction of foreman Harry Mathieu. The students are working an eight-hour shift starting at 7 a.m. They dress appropriately for the job they have selected.

The first five participants are Jon Coyne, James Guy, Kim Cole. Mike Stafford and Brian Watrous. Each is working a day between Dec. 7 and 27, observing the drafting and machine shops.

This no-cost opportunity is not limited to one job. It is open to student for as many jobs as interests him or her.

## January 20, 1977

## **TFHS Expands Work Program**

TURNERS FALLS - Project Shadow at Turners Falls High School has been expanded to include the business department with possible participation by New England Telephone Co. and the Greenfield Recorder. The Gill-Montague Regional School Committee approved the program expansion on Tuesday.

Project Shadow, developed through the industrial arts department, allows individual students to follow, or "shadow," an employe of a business for a day to learn what a particular job entails. Robert Avery, guidance director, told committee that a project with the Montague Machine Co. has proved successful. Eight students have participated in Project Shadow at Montague Machine.

#### July 8

Local Industry: Judd Wire, presently the fourth largest employer in the town, according to Chamber of Commerce figures, follows Strathmore Paper Co. (130), Montague Machine Co. (130) and Esleeck Manufacturing Co. (112). The expansion program will make Judd Wire the third largest employer in Montague.

# WANTED MACHINISTS

Experienced in heavy machining (planers, boring mills, lathes, etc.)
Excellent wage rate, outstanding company paid fringe benefits.

If you have the experience, come in and talk to us.

MONTAGUE MACHINE CO.

Recorder 3.14.1979

May 8, 1979

## 'Harzardous' Storage Area Cited

TURNERS FALLS—thirty-one O Street residents petitioned Montague selectmen Monday for assistance in correcting what they believe is a worsening eyesore and hazard stemming from Montague Machine Co.

Five residents presented selectmen with a petition calling for the firm to maintain its property in a manner compatible with residential properties which abut the property.

The residents, from O and N streets and Montague City Road, claim the company's storage of forms, molds and castings in an outdoor yard is "haphazard, unsightly and hazardous."

A year ago, many of the same residents presented selectmen with a similar petition pertaining to a town highway department stockpile and to Montague Machine. The town has since eliminated the unsightly problem with its stockpile.

But, they claimed Monday, the problem with Montague Machine Co. has worsened. Adella H. Campbell said last year's visits by residents "on a neighborly basis" have produced nothing. Residents alleged increased noise exists and dust continues to blow onto abutting residential properties from sand blasting in the outside vard.

Selectmen agreed Monday to approach the firm to discuss the problem and possible remedies. Neighbors have suggested suitable fencing which blocks the view and prevents dust from filtering into yards, covering pools and laundry.

Bernard Gorman, town Planning Board member, suggested the town Board of Health be contacted.

Mrs. Campbell said the unsightly view devalues her property to the point where assessors have granted an abatement in taxes.

Residents also reported the company burned materials in the yard last week without a permit and was told to extinguish the blaze by the fire chief.

Selectman Clarkson Edwards said a fence is "not unreasonable."

May 15

# Firm promises solution to neighbors' complaints

TURNERS FALLS—Two Turners Falls neighborhoods coping with industry-related problems received promises of solutions to their complaints Monday.

Twelve South End residents appeared before Montague selectmen Monday, opposing the placement of large boulder barriers by Northeast Utilities on its land abutting residential

properties. A petition signed by 53 residents protesting the barriers on G and I streets was presented to selectmen.

In another neighborhood matter, Montague Machine Co. Vice President Jay Pierce said complaints from O Street area residents of unsightly dumped materials are "absolutely right." The company is clearing the area and intends to provide tree buffers, he said.

On the complaint against Northeast Utilities, selectmen said a letter was sent last week to request action after Selectman Clarkson Edwards forwarded neighbors' concerns.

Chairman Walter M. Garbiel said NU district manager Arthur C. Brodeur Jr has been asked to attend a selectmen's meeting. Selectman William J. Powers said a conversation Monday with Brodeur indicated NU will resolve the problem.

The utility has dumped large boulders on G Street near the former school and painted the rocks "an aesthetically displeasing" orange. The barrier blocks an entrance to a section of utility land but leaves open the road to Cabot Station. The boulders along I Street near its junction with Twelfth Street are unpainted, and they do not appear to block any road.

Residents expressed dissatisfaction with the utility's actions after many have made a concerted effort to beautify the South End area. Some also objected to "this reward" after residents lived with excessive noise, truck travel and dust last summer from construction of the utility's \$15 million fish ladder project.

Residents stated machinery used to drop the boulders on I Street has crumbled the pavement and may require highway department reconstruction.

In the O Street neighborhood, Pierce said bis firm began moving dumped material from an area which neighbors had termed unsightly. Pierce said trees will be planted to act as a filter to prevent sand from drifting onto neighboring properties. He said the company's new sand reclaiming process is expected to reduce the sand piled in the yard and minimize dust.

He suggested the town plant trees on its land, which lies between residential property and Montague Machine Co., for an additional buffer. Selectmen agreed to pursue the idea, but Bernard Gorman objected to the buffer at the taxpayer's expense and suggested the firm plant the double row of trees.

June 25

# **Building** permits issued

TURNERS FALLS—Montague Building Inspector Charles J. Gloski issued building permits during May for construction valued at \$48,400. Montague Machine Co. sought permission for the largest project — a \$29,000 expansion of its foundry.

## January 3, 1980

## Turners Firm Creates New Water Wheel

TURNERS FALLS - The Montague Machine Co, has opened a new avenue of business by forging links to the hydroelectric power industry, which has resurged with the increase of oil prices during the 1970s.

Lincoln Soule, the Avenue A company's chief engineer, worked as part of a team during 1979 to design two water wheels, or "runners," that can help provide power for up to 50 homes or a plant the size of Montague Machine itself. Montague Machine constructed the runners.

The runners will be used at the Northeast Utilities' Dwight Station on the Chicopee River in Springfield. Closed ten years ago, the station will be reactivated in late January, according to William Walsh, NU engineer.

One runner has been installed, Soule said. The second is being balanced, and will soon be delivered to Dwight Station.

Runners turn shafts directly connected to electric generators, and are thus 'crucial to production of electricity, Soule said.

Walsh said the runners are more energy-efficient and easier to repair than their 80-year-old counterpart originally used at the station. Farrell Johnson, vice president of Montague Machine, said he anticipates business will expand out-of-state because the firm has proven its ability to construct runners.

"Lincoln Soule took a risk building that runner, because Montague Machine didn't do that kind of work before," engineer Walsh said.

"Not many people can make runners from scratch and build them well, relatively inexpensively and quickly," Walsh said. "If we need more runners, we will definitely look at Montague Machine."

Montague Machine contracted with Holyoke Power Co. to construct the runners for \$33,000. The company initially was hired to draw up preliminary designs of the original runner and subsequently won the construction contract.

Walsh said the runner was so efficiently designed that it will run a "cool" plant. He said the more heat a runner produces, the less electricity is generated.

Soule and Walsh said the runner helps produce 600 kilowatts of electricity, although the system was originally expected to produce just 450 kilowatts. Johnson said that is an "unexpected plus" of about 30 percent.

Walsh could not say the runner is a "major" factor in the unexpected increase, citing alignment of the 'machine and design of the shaft as other elements. Other companies were contracted to do that work, Walsh said.

He admitted, however, that the runner "helps" increase efficiency of the Dwight Station, which may provide power for 1,000 homes.

Soule said "subtle changes in design" of the shape of the runner's blades, entrance and exit angles increased its production capacity.

He said, he "modified" the blade shape in initial drawings of the original runner, but said real change "evolved" from teamwork with Guy Beaudet and Robert Bushey, two Holyoke Power Co. engineers.

The "efficient" shape emerged when the team designed dies with which to mold and shape the runner's blades. The runner was then modeled in wood in the company's pattern shop, and later cast in iron and steel. Soule said the runner has steel blades, which are long-wearing and can be easily repaired. He said the original cast iron runner was made in one piece, and was more difficult to weld or repair.

The steel blades are less likely to erode with water pressure, Soule said. He said blade supports on each side of the runner are made of iron.

Montague Machine may also construct runners for the Turners Falls No. 1 station, located behind Railroad Salvage, Johnson said. NU's Walsh said that station is scheduled to be reactivated in the spring of 1981.

## April 24

# **Machine Company Names Directors**

MONTAGUE—Farrell B. Johnson and Thomas E. Rogers have been elected to the board of directors of Montague Machine Co., Turners Falls, announced President Robert W. Hawkes.

Johnson Joined the company in 1937 as a Junior draftsman and was named sales engineer In 1952. He became sales manager in 1958, was elected sales vice president in 1960 and senior vice president in 1978.

Rogers Joined Montague Machine Co. in 1966 In the engineering department. He was appointed foundry superintendent in 1973 and elected vice president in 1979.





FARRELL JOHNSON

THOMAS ROGERS

## May 24

## Fire Log

Montague, Friday 2:45 p.m.—Responded to Montague Machine Co., Avenue A, for fire in foundry. One large fiber glass door burned. Fire extinguished by sprinkler system. No injuries reported.

## September 26

Turners Falls, Thursday 11:35 a.m.—To Montague Machine Co, Avenue A, for fire at waste disposal site. Fire contained. No damage.

#### November 1

# Foundry Employees Strike

TURNERS FALLS—The 65 union employees of Montague Machine Co. are on strike today.

Round-the-clock picket lines were to go up around the Avenue A plant at midnight Friday, following an afternoon strike vote.

The current three-year contract with Local 1803 of the International Association of Machinists and Aerospace Workers expired Friday.

"We want more wages," said local President John Little. The average wage in the plant is \$6.90, Little said.

Negotiations broke off when the union rejected the company's last offer of an immediate 7 percent pay hike in the first year of a proposed three-year contract. The proposed contract also called for an 18-cent cost-of living raise in the first and second years and a 20-cent cost-of-living raise in the third year.

A federal mediator has been called in to resume negotiations. Little said he expects it will be eight to 10 days before negotiations resume.

Montague Machine, a combined foundry and machine shop, manufactures paper mill machinery.

This is the first strike at the plant since the union was organized in 1944, Little said.

#### November 3

## **Montague** Machine Workers Settle

TURNERS FALLS—A 17-hour strike by 65 employees of the Montague Machine Co. ended at 5 p.m. Saturday after representatives and the company reached an agreement.

Workers ratified the agreement at 7 p.m. Saturday, giving them a 41 percent wage increase over three years. At midnight Friday, on the expiration date of their three year contract, workers struck for the first time in the company's history.

The terms of the settlement offer workers an additional \$2.83 an hour over the three years. The average hourly wage for a machinist and foundry worker, formerly \$6.90 an hour, will be \$7.65 the first year. Average wages the following two years will be \$8.45 an hour and \$9.30 an hour.

The employees were represented by Local 1808 of the International Association of Machinists and Aerospace Workers, AFL—CIO.

Montague Machine, a combined foundry and machine shop, manufactures paper mill machinery. "An all-day session between management and the union produced the best contract In Montague Machine history," said Thomas Rogers, vice-president of the Turners Falls manufacturing firm.

Local president John Little echoed Roger's opinion that it was a good contract.

"There will be a whole different feeling Monday morning when we come to work," said Little. "By paying us the money, it shows us that management appreciates good help. "We feel that the union committee did an excellent job in working with management to reach a settlement without an interruption in work schedules," said Rogers. Montague Machine Co.

## August 5, 1981

#### MECHANICAL DRAFTSMAN.

Excellent benefits program. Contact Richard H. Eggers, Jr., Montague Machine Co., Turners Falls, Mass. 863-4301

#### October 21

MACHINISTS WANTED—Must have solid experience with large machines, blueprint reading ft set-ups. Excellent wage, rate ft benefits. Contact Richard Eggers, Montague Machine Co., Turners Falls, Mass. 863-4301

#### January 29, 1982

JUNIOR DRAFTSPERSON with some experience in mechanical drafting. Contact R.H. Eggers. Montague Machine Co. Turners Falls 863-4301

## March 24

# Rogers Takes Sportlight Award

Tom Rogers—one of the main contributors to youth basketball and baseball in the Greenfield area—is this week's Greenfield Recorder/WHAI Sportlight Award winner. The award is presented weekly to a sports figure who. in the opinion the Recorder and WHAI sports staffs, has made a significant contribution to the Franklin County athletic scene.

Rogers, who is employed by Montague Machine Co., spends a major portion of his time helping the youth athletic programs. He coaches and referees in the Greenfield Community YMCA Youth Basketball League, is a member of the Greenfield Minor League's finance board and helped organize the Grade School Recreational Basketball League this winter.

#### March 31

# Rogers Elected VP at Montague Machine Co.



Thomas E. Rogers has been elected vice president of manufacturing for Montague Machine Co. of Turners Falls. Rogers will be responsible for the operations and coordination of shop and foundry production. He was elected vice president of foundry operations in 1979 and a director of the corporation in 1980. Montague Machine Co. is a manufacturer of machinery for the paper industry as well as iron castings for a wide diversity of industries.

A resident of Greenfield, Rogers joined Montague Machine in 1966, starting in the engineering department responsible for production control. In 1973 he was appointed foundry superintendent, a position formerly held by his father. Rogers directed foundry operations during 1974-79 when the company more than doubled its foundry facilities and operations.

He is currently serving as director of the New England chapter of the American Foundry Society. Rogers is married to the former Pamela Billings of Montague Center He is a graduate of Greenfield High School and Greenfield Community College.

## August 3

## **Board Hears Pollution Charge**

TURNERS FALLS—Montague selectmen received graphic evidence of a citizen's complaints about alleged pollution by the Montague Machine Co. at their regular meeting Monday night.

Robert L. Abbott, 68 O St., showed the board a small jar that he said contained residue from the smokestack at the company's plant, which ended up at the bottom of his pool.

"I took it to a friend down at UMass, and he said it hardens when it hits the water," Abbott said displaying—the small, BB-like particles coated with an oily fluid.

Selectmen said administrative assistant ant Frank Abbondanzio would contact the Board of Health and the air pollution division of the Stale Department of Environmental Quality Engineering on the matter.

Abbott is still fighting the company with a lawsuit dating from 1980 on similar pollution complaints. He said last night he represented a number of neighbors in the area . . .

#### November 10

#### Personnel

Farrell B. Johnson has retired after 45 years of service at Montague Machine Co.

Johnson was born and educated in Turners Falls. He joined the company in 1937 as a junior draftsman. After a tour of duty with the Marine Corps Air Wing in World War II, he rejoined Montague Machine. He was named sales engineer in 1952 after training in pulp and paper mills throughout the United States. He became sales manager in 1958, was elected vice president in charge of sales in i960 and senior vice president in 1975. He was named a director of Montague Machine in 1979.

Johnson lives-in Turners Falls with his wife, the former Lois Thompson of Millers Falls.

## June 26, 1894

## Machine Tool Sales Up, Local Firms Remain Cautious

. . . Orders for rough castings from the foundry at Montague Machine Co. show an approximate 25 to 30 percent increase over May 1983, said Gary Billings, foundry foreman.

The castings are sold to paper companies and the plastics molding and printing industries, he said. "Part of the reason may be because in the early part of this year, the prime lending rate was down," he said. Billings said most of the orders are small and may mean companies are ordering replacement parts for existing machines. . . .

## April 6, 1987

THE GREENFIELD LIONS CLUB will meet Tuesdays at 6:30 p.m. at Alberti's Restaurant. The speaker will be Tom Rogers, vice president of the Montague Machine Co.

## August 29

## Small Business Hurt by Utility Hikes

. . . Thomas Rogers, vice president for Montague Machine Co., said that the new rate raised his electricity bill from \$64,000 this year, to \$128,000 projected for next year. Rogers said the increase could have disastrous effects for his foundry, which produces castings for pulp and paper machines.

Rogers, who accompanied Buell to Springfield, said the meeting went well. Rogers said Locke agreed to set up a meeting with designers of the last rate hike.

"At least we'll be able to express our opinion about the rate increase," Rogers said.

Rogers also said the Western Massachusetts Electric Co. is currently working with him to cut down the usage at the Montague Machine Co. plant which employs about 60 people.

## December 2, 1988

# Area Shops Rebounding from Decade of Decline

... Thomas Rogers, vice president of foundry and machine shop operations at Montague Machine Co., in Turners Falls, said that company almost went out of business in 1983 due to heavy competition from Canadian firms.

Montague Machine manufactures heavy machinery used in the paper making industry. Much of the equipment made there is pulp grinding machines, which take logs and grind them to the consistency of oatmeal, to be made into paper . . .

#### October 31, 1989

# Fish Found in Newspaper Tubes

TURNERS FALLS—Several Montague Machine Co. workers found dead fish in their newspaper tubes Monday afternoon, actions that police said might have been motivated by union contract negotiations.

Montague Machine Co. Vice President of Manufacturing Thomas Rogers said he hadn't heard about the incidents and added that he hopes to have a new contract with workers from the International Association of Machine and Aerospace Workers by this afternoon.

According to Rogers, the week-long negotiations have been typically difficult, with wages being the major sticking point.

Police said they had no other information or theories explaining why the fish were put in the tubes.

Police also said they did not know what kind of fish had been placed in the tubes.

Residents of Foster Road in Montague Center, Griswold Street in Turners Falls, and Turners Falls Road in Montague reported finding the fish in their tubes at about 3 p.m.

Montague Machinery, located on 15th Street in Turners Falls, makes parts used in the pulp and paper manufacturing industry.

#### November 21

# Neighbors Complain About Noise at Plant

TURNERS FALLS—After receiving a petition from neighbors of the Montague Machine Co. who say its noise keeps them awake at night, Montague selectmen Monday told the plant's superintendent to eliminate the late night noise.

Between 11 p.m. and 7 a.m., the machine shop operates a reclaimer that residents say is disruptive to the entire neighborhood. They say the noise from the reclaimer not only deprives them of sleep, thus affecting their health, but also lowers the value of their property.

The petition was signed by 18 residents who live near the Avenue A plant; The company's neighbors should not have to tolerate excessive noise from the plant, Selectman William J. LaPointe said.

"The (residents) have been there a long time, and I think they have a right to sleep at night . . . and I think their children have right to sleep at night," LaPointe said.

The reclaimer breaks down sand, used in making molds for machine parts, into a fine powder, according to Thomas Rogers, vice president of manufacturing at Montague Machine.

Rogers said the reclaimer only functions during the late night shift because the company saves money by taking advantage of off-peak power rates. The plant saves about \$11,000 a year on its power hilt this way, he said. The 11 p.m.-to-7 a.m. shift is also the only time there is someone available to operate the reclaimer, Rogers said.

"We at Montague Machine have been there a long time, and I thought we had been good neighbors," Rogers said. "We are working at trying to engineer out the noise."

Consultants from the company that built the reclaimer have said they might be able to design a silencing mechanism for the facility, Rogers said. A vent from the reclaimer that used to point in the direction of several adjacent houses has also redirected to help quell the noise, he said

LaPointe suggested the plant be closed during the late-night shift until the noise problem is solved. But, Selectman Jason E. Clark Sr. said it was not proper for the board to take such drastic action.

"I don't believe this board should ask someone to shut down a business and a livelihood," Clark said.

Clark said he would like the company to rectify the noise problem or produce a specific design for a silencing mechanism within 30 days, and he asked neighbors to be patient and give the company a chance.

In presenting the petition to the board, Paul Dejnak of N Street, said there are other latenight operations at the plant that are excessively loud. He said a fork lift and a bucket loader are routinely heard revving their engines as late as 3 a.m.

"We want that (11 p.m. to 7 a.m.) shift eliminated," Dejnak said. Dejnak also made several claims about Montague Machine Co. that prompted the selectmen to undertake an on-site inspection of the plant.

A large mound of fine black dust and several barrels of phosphoric acid are located outside the shop, Dejnak said. The dust often blows in the wind and creates a black cloud in the area, and

the barrels of phosphoric acid are a concern to neighbors because children play in the vicinity of the plant, he said.

Rogers confirmed that both the pile of dust and the barrels of acid are on the grounds of the shop. He said the dust, which is the byproduct of the reclaiming process, has been checked by the state Department of Environmental Protection and does not pose a threat to the area. He said the phosphoric acid is "part of the operation."

Dissatisfied with those explanations, selectmen assured Rogers that the town Board of Health, the town building inspector and possibly the Department of Environmental Protection would be called on to investigate the plant.

Rogers said the company would make every effort to eliminate any health or environmental threats and unnecessary noise beginning today.

"We'll try to clean things up to the best of our ability," he said.

#### December 12

#### DRAFT PERSON ENGINEERING ASSISTANT

Board and computer drafting. Must have good mechanical aptitude.

Excellent growth potential. Benefits. 5 day work week, 11 paid holidays, fully paid BC/BS and dental program, paid vacations.

Apply in person: Montague Machine Co., 15th St., Turners Falls, MA. 413-863-4301.

## October 11, 1990

#### **SECRETARY**

Long time manufacturer of pulp & paper machinery seeks well organized, hard working and dependable secretary.

Requirements include: efficiency in telephone contact, excellent typing and computer skills a must Short hand a plus Company paid benefits including Master Health Plus, dental, accident and sickness, life, profit sharing, pension plan, vacations, 11 paid holidays, salary commensurate with experience.

Please call or apply in person Montague Machine Co. 413-863-4301.

## December 7, 1991

## Congressmen Look at Local Job Retraining

TURNERS FALLS—Amid the large industrial tools in Montague Machine Co.'s main shop, Louis Parzych, who had been with the company since 1955, told a couple of congressman Friday how he had overcome initial reluctance and enrolled in a retraining program.

"Let the younger guys do it" was his feeling at first, but as he took a math course, then then computer and machine tool training—and eventually just about everything offered in the Machine Employee Enhancement Training program run by area businesses and Greenfield Community College—he really got into it.

"You're never too old to learn," he said.



Recorder/Paul Franz

#### Note: What's wrong with this pic?

Now, instead of preparing for retirement after letting his work skills grow stale, Parzych, 58, is the plant's chief mechanical inspector.

The congressmen—U.S. Reps. John W. Olver, D-Mass., and Carl C. "Chris" Perkins, D-Ky.— also heard George Larkin explain the workings of the Okuma, a large green box with a video display tube suspended beside it on a movable arm. The machine is a computer operated lathe, and Larkin learned to operate it in the MEET program's CNC (computer and numerical control) course. He is now the lead operator of the Okuma and two other computer-operated machines in the shop, according to Thomas E. Rogers, Montague Machine's vice president for manufacturing.

Perkins is chairman and Olver is a member of the congressional Committee on Education and Labor's subcommittee on employment opportunities. They were touring the plant under Rogers' guidance before traveling through the snowy weather to North Adams for a hearing on job training for dislocated workers.

"This is a process of trying to find out what is happening that is good" in the area of job retraining, Olver said in the lobby of the factory off Avenue A where the company has' been making machinery for pulp and paper manufacturing since 1908

The congressmen had come to western Massachusetts because it is a prime area of job dislocation, said Olver.

#### December 11, 1998

## Real Estate/Changing Hands

Montague Industries Inc., formerly known as Montague Machine Co., to Charles J. Rucci and Rosalind Rucci of Greenfield, 314 Montague City Road. \$45,000.11

MMCo. Employees



<sup>&</sup>lt;sup>11</sup> The old Trolley "Barn" near Depot St. at Montague City.

Owners/Employees through the Years: (gleaned from the Recorder obituary column and article content.)

## Clark and Chapman Machine Co. 1872

G.E. Chapman Sumner Chapman A. S. Clark

Alvah Crocker W. T. Davis B. N. Farren M. Gilmore

William J. Malley

#### Clark & Heald Machine Co.; aka., The Clark

Machine Co. 1881 Warren Burnham Elizabeth Clark George H. Clark James Clark S.W. Colburn Joseph Crouse Leland Doton P.M. Dunn

Hiland Farnsworth George Gemmell James A. Gunn H.N. Heald John Jamison W.J. Rist

A.L. Schweitzer Frank Severance Uriah Waterman A.O. Wyman

## Turners Falls Machine Company 1903

D.P. Abercrombie Frederick Clapp Grace Conway James D. Coy W.O. Crocker W.P. Dustin H.R. Farnsworth John Farnsworth W.R. Farnsworth John F. McCarthy S.W. Parker E.A. Rand C.N. Tyler F.I. Webster

Thomas Acton

Clarence Allen

Wm. Argy

## Montague Machine Co. 1908-2003

Jane Ann Bak Charles Baxa Mike Beauregard Dolor Beausoleil William Bettis Gary Billings James Bissland Wayne Blanchard George Bousquet Kenneth Brown Walter Brzostowski Wayne Bugbee Rollin D. Buckley Katherine Buzzell Richard Campbell Dwight Canon

Valerien D. Chagnon J. Monroe Chapman John H. Cocking William Coutu Arthur Delorme Herman Denton William Deso

Ruth Rebecca Denton

Charles Duncan John Emond Oliver Emond

Mary Ellen Estabrooks

Lewis Farrell W.R. Farnsworth Vincent Ferland Arthur Fisk Marjorie Flagg

George H. Foley

Thomas Ford

William Fritz

Lee A. Gagnon

Arthur Mathieu

James Mayrand

Norman McGrath

William W. Merrigan

Eugene Galvis

Neal Gifford

William W. Merrig

Gertrude Miller

Henry Mleczko

Walter Gochinski

Florence Murdock

Herman Grimard

Timothy Murphy

Walter Gruszkowski

Anthony Ogonis

Alfred Guilbault

August Pachalis

Mildred Gulow Merriam Partenheimer

Eugene Hammond Francis Pelletier
Walter Harrigan Richard Perham
George Hastings, Jr. Charles Pervere
John Hartnett Lawrence Peters
Robert R. Hawkes Dalia Petrin
Ruth R. Holton Richard Phelps
Gertrude Hood Brian Pierce

Michael Idoine Herman Podlenski
Witold Jamrog Matthew Podlenski
Farrell Johnson Roger Purrington, Jr.

Andrew Kazanowski Malcolm Rice
Leo Kilburn Charles Ripley
Henrietta Koch Everett Rogers
Alex Kozlowski Thomas Rogers

Mrs. Alexander Kozlowski Bernard Rosewarne

Stanley Kuznik James F. Ryan William Lambert Robert Schacht Philip LaFrance Edward Schneider Alfred LaPalm Walter Schwozec Donald Lapine Janette Sikora George Larkin Jean Simanski Paul Lemay Anna Shulda Herman Letourneau Richard Smith

Herman Letourneau Richard Smith
William Letourneau Lancelot P. Soule
Andrew Lewis Robert Spring, Jr.
Rene Lizotte Charles Stemple

Robert T. Loveland Walter Joseph Sweeney
Millicent Lucas Henry Terlikoski, Jr.
Harold Maddern Emilien Thibault
John Mainguey Edward Trombley

Harry Mathieu Paul Vivier

Alfred Mathieu George Wallenius

James E. Waterhouse Wallace W. White Preston Whitney, Jr. Albert Williams James Williams Stanley Zaikowski John Zebrowski

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