

FORM B - BUILDING

Acre

Area	Form no.
	225

MASSACHUSETTS HISTORICAL COMMISSION

53:27(rear)
56:31

(119)



Lowell

Address 65-71 Willie St.

Historic Name Dugdale Worsted Mill

Original Dugdale Worsted Mill

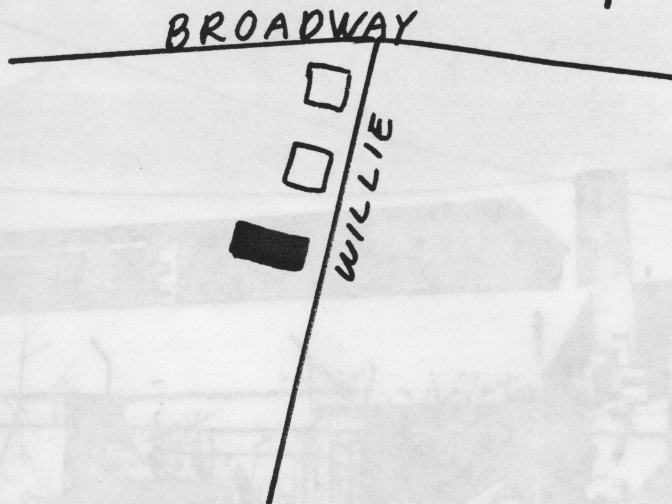
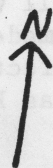
Present Modern Floor Service & supply co

Ownership: Private individual
 Private organization x

Public

Original owner

location in relation to nearest cross streets and other buildings or geographical features. Indicate north.



DESCRIPTION:

Date 1860

Source H.A.E.R.

Style

Architect

Exterior wall fabric random rubble

Outbuildings

Major alterations (with dates) addition of 2-story rear ell of brick. Pseudo-Mansard facade treatment.

Moved Date

Approx. acreage less than one

Setting mixed: commercial, residential,

industrial

Recorded by Harriet S. White

Organization DPD Architectural Survey

Date 11/80

(Staple additional sheets here)

ARCHITECTURAL SIGNIFICANCE (describe important architectural features and evaluate in terms of other buildings within community)

A 2-story flat-roof building of rubblestone with granite lintels, sills and quoins. The building is 12 bays deep x 5 bays wide; windows are 12/12. In 1893 a fire caused extensive damage to the mill. The main building was originally 3 stories plus an attic, with a pitched roof and skylights. A dye house and boiler house were completely destroyed by the fire. The unusual round granite smokestack was originally 75' high but is now only 20' high.

HISTORICAL SIGNIFICANCE (explain the role owners played in local or state history and how the building relates to the development of the community)

James Dugdale, who immigrated to the U.S. in 1847, began operations in this building spinning and braiding worsted yarn in 1868. The mill at that time employed 85 people and was known as the Lowell Worsted Mills. Before moving to this location the company occupied quarters in Whipple Mills (1860-68).

Other products manufactured by Dugdale's mill were mohair, camel's hair, yarns for cassimeres, knit goods, and coatings, "made here with improved patent doublers . . . which do away with all imperfections." The company's trade extended throughout New England and as far as Philadelphia.



BIBLIOGRAPHY and/or REFERENCES

D.H. Hurd, History of Middlesex Co.

Barlow Insurance Survey #523, "Dugdale's Worsted Mill," 1878.

Morning Mail Souvenir, p. 210-221. (1890)

- PHR 13th C
 - 1800
 - 1809
 - 1810
 - 1819
 - 1820
 - 1828
 - 1830
 - 1839
 - 1840
 - 1848
 - 1850
 - 1855
 - 1860
 - 1868
 - 1878
 - 1880
 - 1889
 - 1899
 - 1900
 - 1909
 - 1910
 - 1919
 - 1920
 - 1929
 - 1930
 - PRESENT
- NR
 - HAER
 - HABS
 - STATE
 - COUNTY
 - LOCAL
 - OTHER
 - DOD
 - FN
 - HIST
 - TECH
 - ARCH
 - TAPES
 - HAER
 - OTHER
 - FIELD
 - SLIDES
 - HIST
 - SURVEY
 - STEREO
 - MOVIES
 - LC
 - AL
 - AZ
 - CA
 - CT
 - DC
 - GA
 - ID
 - IN
 - KS
 - LA
 - MD
 - MI
 - MS
 - MT
 - NV
 - NJ
 - NY
 - ND
 - OK
 - PA
 - SC
 - TN
 - UT
 - VA
 - WV
 - WY

HAER INVENTORY

1. NAME OF STRUCTURE
Dugdale Worsted Mill

2. DATE
1860

3. NATURE OF STRUCTURE
Worsted Mill

4. INDUSTRIAL CLASSIFICATION
151

5. LOCATION: STREET & NUMBER
southwest corner of Willie St. & Broadway

CITY OR TOWN
Lowell

COUNTY
Middlesex

STATE
MA

6. USGS QUAD MAP & UTM GRID REF.
**Lowell 3
19.309620.472464**

7. OWNER OF PROPERTY
Modern Floor Service, Inc., Lowell, MA

ADDRESS

8. CONDITION: EXCELLENT GOOD FAIR DETERIORATED RUINS UNEXPOSED ALTERED ACCESSIBLE TO PUBLIC

9. DESCRIPTION & BACKGROUND HISTORY: NUMBER OF STRUCTURES: DIMENSIONS: FABRIC: STRUCTURE & FORM: SURVIVING MACHINERY, FITTINGS AND EQUIPMENT: APPROX. AREA OF SITE: ALTERATIONS: PRESENT USE: ENGINEER: ARCHITECT/DESIGNER: IMPORTANT EVENTS & INDIVIDUALS.

James Dugdale, who arrived in the United States in 1847, began spinning and braiding worsted yarn in this mill in 1868. The main building was of stone, three stories high, with an attic. The roof was pitched, with skylights. Power was entirely by steam, with two boilers and one engine of unknown power. The round chimney was also constructed of granite, a rare occurrence. In 1893 a fire burned the roofs of the mill, dye house, and boiler house. It was probably at this time that the main building was lowered to two stories, with a flat roof. The chimney, originally about 75 feet high, has been lowered to a height of about 20 feet. ~~1878 and 1894.~~

10. PHOTOGRAPHS & SKETCH MAP ON REVERSE SIDE.

11. RELATED SOURCES OF INFORMATION: HISTORICAL REFERENCES (PUBLISHED ARTICLES, MANUSCRIPTS, REPORTS, DRAWINGS, PHOTO GRAPHIC RECORDS) CONTACTS: (NAMES & ADDRESSES OF ANYONE WITH EYE-WITNESS ACCOUNTS OR RELEVANT INFORMATION); TAPE RECORDINGS.

D. H. Hurd, History of Middlesex County (Phila., 1890) vol. II
Barlow Insurance Survey #5231, "Dugdale's Worsted Mill," 1878

12. DANGER OF DEMOLITION OR DAMAGE YES NO

NATURE OF THREAT:

13. PRIORITY **3**

14. EXISTING SURVEYS NHL NR HAER STATE COUNTY LOCAL OTHER

15. INVENTORIED BY: YOUR NAME **Peter M. Molloy**

ADDRESS **800 Mass. Ave., N. Andover, MA**

AFFILIATION **Merrimack Valley Textile Museum**

DATE **12/8/75**

BULK PRODUCT INDUSTRIES (BULK)

EXTRACTIVE INDUSTRIES (EXTRAC)

DATES OF CONSTRUCTION

MANUFACTURING INDUSTRIES (MFG)

UTILITIES (UTIL)

POWER SOURCES & PRIME MOVERS (PS & PM)

TRANSPORTATION (TRANS)

COMM

BRIDGES

BUILDING TECHNOLOGY (BLD TECH)

SPECIALIZED STRUCTURES (SPEC STRUC)

SUB-CLASSIFICATION

- AGRI
- BPCC
- CHEM
- FOOD
- METAL
- TEXT
- WOOD
- MACH
- FABR
- TEQUIP
- INST
- GMFG
- WATER
- SANI
- GAS
- ELEC
- MUSL
- WATER WHEEL
- WATER TURB
- WIND
- STEAM RECIP
- STEAM TURB
- INT COMB
- DIESEL
- ELEC
- RR
- ROAD
- CANAL
- MARINE
- AIR
- PIPE
- T&T
- R&TV
- BEAM
- ARCH
- TRUSS
- SUSP
- AQUE
- TRES
- CANT
- MOVE
- FOUND
- FRAME
- FLOOR
- ROOF
- FENCES
- MECH
- ANCI
- DA
- TUNIS
- HYDRA
- CONST
- HEAT
- MATH
- MATS
- P & ET
- HOUS
- ADAPT
- MUSEUM
- SURVEY

