

# LandMARK

## BIBLIOGRAPHY

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Kane, Lucille. The Falls of St. Anthony.  
Pennefeather, Shannon (ed.) Mill City.  
Pond, Samuel. Dakota Life of the Upper Midwest.  
Hart, Joe. Down and Out: The Life and Death of Minneapolis' Skid Row.  
Willis, Jocelyn. The Forest for the Trees.

You can find many of these books at the Mill City Museum bookstore. Enjoy.

*Local Strategy 2005*

*Local Strategy 2005*

Sometimes the art looks a lot like life.  
Please take your time.

STARTER CARD

LandMARK

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## BRIDGE

1882-1883  
James J. Hill  
About One Year to Build  
600 Men  
1200 Arms  
1200 Legs (give or take a few)  
24 Hours A Day  
23 Arches  
Nickname: Hill's Folly  
Railroad Bridge: 95 years  
Boarded up: 16 years  
Pedestrian Bridge: 11 years

What will the bridge be next?

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# LandMARK

## LUMBER

The first lumber mill was built on the falls in 1821. We say ON because it was built on a platform over the rushing water, for WATER POWER. At first, the saws were slow: it took hours to saw through one log. Then, TECHNOLOGY developed quickly. Maybe too quickly for them to FATHOM that they might RUN OUT of trees? 1869: 90 million board feet (think 3,500 IDS towers reaching into the sky) 1899: 960 million board feet. The BIG TREES in the North were gone, and the flour mills were HUNGRY for water power. Lumber milling ends at the Falls in 1904.

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## LandMARK FLOUR

In 1850 the first mill was built here. The wheat for the flour was ground with MILLSTONES carved into patterns with names like SICKLE DRESS. By 1880, there were 25 mills here, using IRON ROLLERS and purifying machines to grind wheat faster. MORE FLOUR. Flour, machine oil, sawdust in the water. One time the WHOLE RIVER caught on fire. The mill owners hoped for prosperity and b) to feed the world with their flour. THE WHOLE WORLD, right now. By 1930, many mills at the Falls were closing and BUFFALO, NY became the nation's flour milling capital. By 1965: 1 Mill at the Falls.

In 2005: CAN YOU HEAR THE SOUND OF THE MILLS?

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## LandMARK ROOSTER

In the late 1800's there was an engineer named William de la Barre who wanted maximize the power of the waterfall. He studied the dams, dug channels to INCREASE the DROP of the falls\* and doled out WATER POWER rights to the Mills. One time, he got in a fight with some people downstream, who said the LOWER DAM was stealing water that was rightfully THEIRS. They went to court and de la Barre won! He planted a flag on either side of the dam. He also said "If I had a rooster, I'd place it out in the center of that dam and let it CROW and CROW and CROW!"

\* Bigger Drop = More Power

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## LandMARK TIME

Time is the closest thing to magic that we have.

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## LandMARK WATERFALL

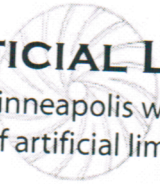
The "waterfall" you see in the river was formed 11,700 ago, downstream from here. Back then, the waterfall ran over a LIMESTONE ledge. Limestone ERODES easily, causing the waterfall to MOVE upstream. When it finally reached MINNEAPOLIS, the mill owners really NEEDED the WATERPOWER, and did not want the falls to MOVE anymore. They built an APRON (wooden slope) over it, so the WATER could not touch the limestone. No more erosion. No more moving. In 1968, the wood was swapped out for cement. Some say this waterfall is no longer a waterfall.

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## **MILLSTONE**

a pair of cylindrical stones used for grinding grain



## **ARTIFICIAL LIMBS**

In the 1800's, Minneapolis was the leading manufacturer of artificial limbs in the USA.

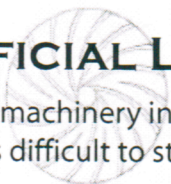
## **sky**

expanse of air covering the entire surface of the earth



## **SICKLE DRESS**

a pattern of furrows on a millstone



## **ARTIFICIAL LIMBS**

The large machinery in the mills  
was difficult to stop.

**the sky is not falling**





MESSAGE