

The Mill is a publication of the Steel Mill Modeling and Steel Mill Pictorial groups

THE MILL

December 25,
2018



Dean Freytag

Part 1: Layout

Person of theseSpecial Issues

I am one of many modelers who did not have a chance to meet Dean before his passing but are highly influenced by his modeling of the steel industry. Many newcomers to the hobby that model steel mills don't recognize the name, Dean Freytag. In this and following issues I hope to introduce these modelers to Dean's layout and show modelers with a little imagination an empire can be built. Dean's layout was not built overnight and it did see many changes over the years as Dean's added to and took away from his steel empire.

This is the first of 3 special issues of The Mill Newsletter featuring the late Dean Freytag's South Ridge and Davis Steel layout. In this issue we will take a look at the over layout. Issue two will consist of the structures Dean built and issue three will be of his vehicles and rolling stock. There may be a posable forth issue of random pictures that members didn't summited in time to be published in these issues.

In this issues, you will find photos taken by modelers that visited Dean's layout during various times of the building of it. The photos will be categorized by people that summited them and all are used with permission by the person who summited the photos.

Dean was known to many as the father of steel mill modeling.

Sadly Dean passed away December 25, 2010.

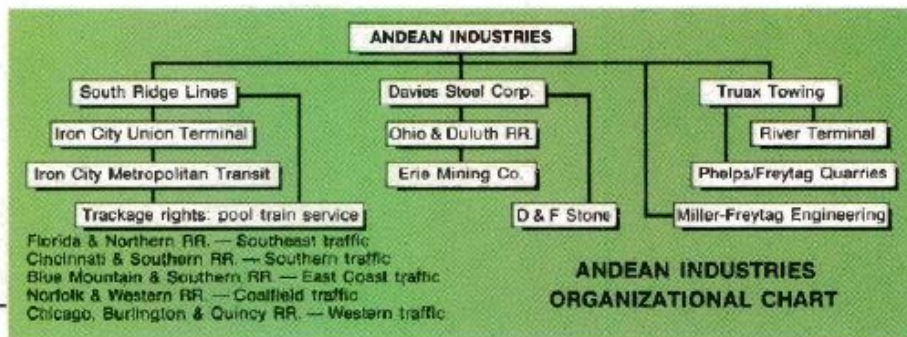
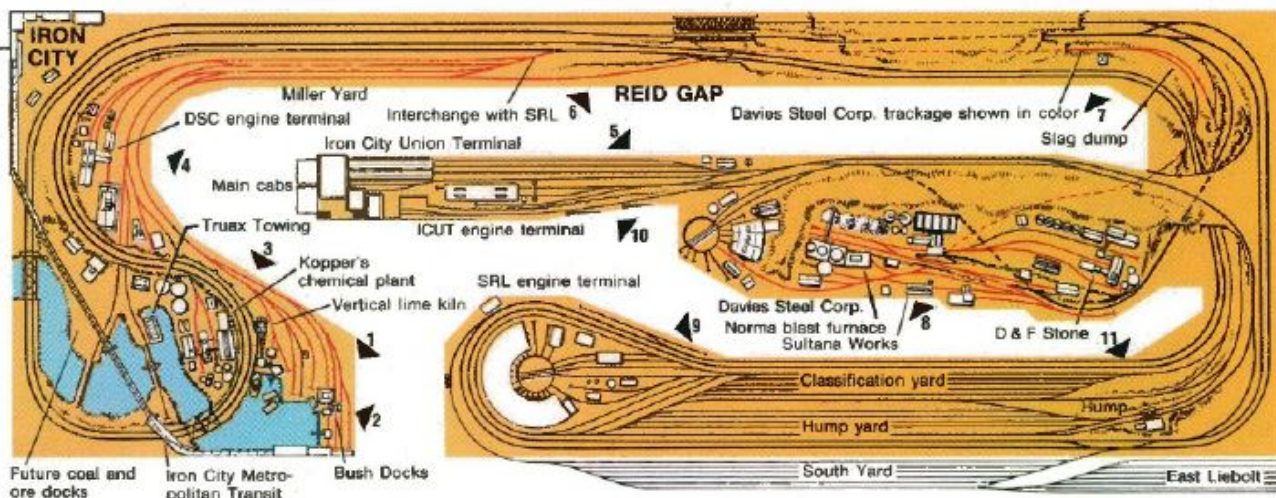
Special Thanks

Special thanks goes out to the following people who contributed pictures to make this special issues posable.

Brain Shaw
Dale Desser
David Lemke
Hein Hopmans
John Miller
John Teichmoeller
Tom Stewart
Ken Stroebe

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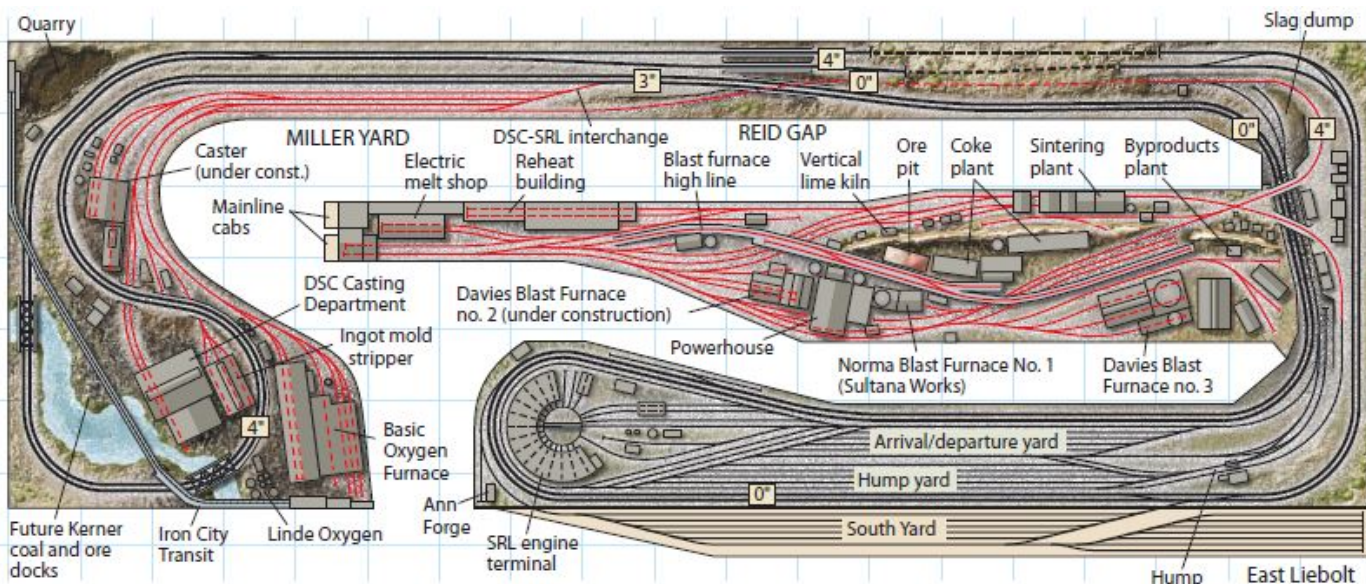


SOUTH RIDGE LINES RR.

Not to scale Overall room size: 13'-0" x 38'-0"



Layout drawings show the changes that Dean made to the South Ridge Lines between November 1998 and November 2008.



SOUTH RIDGE LINES RR

Scale: 3/16" = 1'-0"

24" grid

Davies Steel Corp. tracks in color

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Layout drawings used with permission from Kalmbach Publishing.



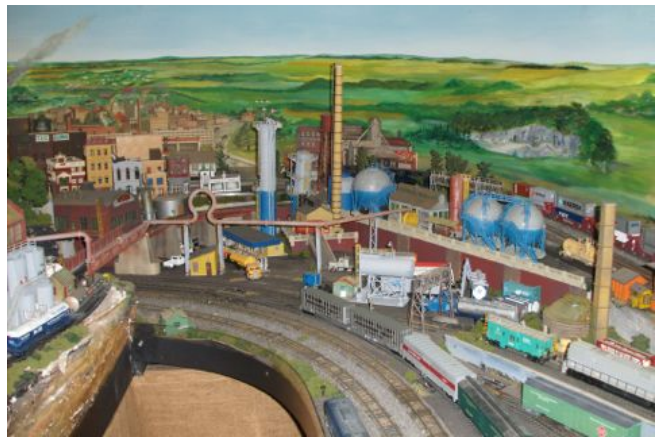
Continues caster



City



Slag dump (left) and city (right)



By-products plant



By-products plant



Locomotive service facility



Roundhouse and turntable



Blast furnace no.2



Classification Yard



ICUT Engine Terminal

Photos are from David Lemke's collection



Ingot striping area



Ingot striping area



Iron City Transit bridge



Slab cars at the continuous caster



Insulated cars



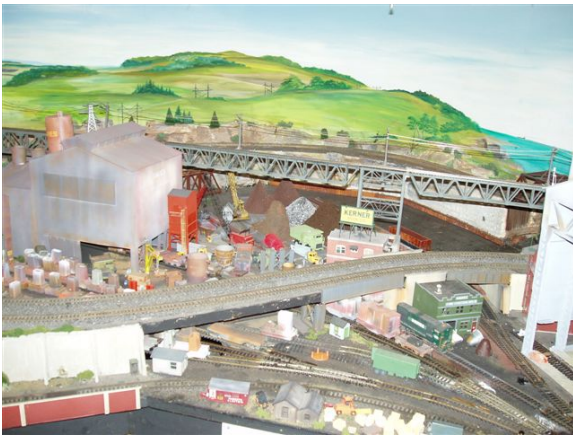
Cars located at the casting department



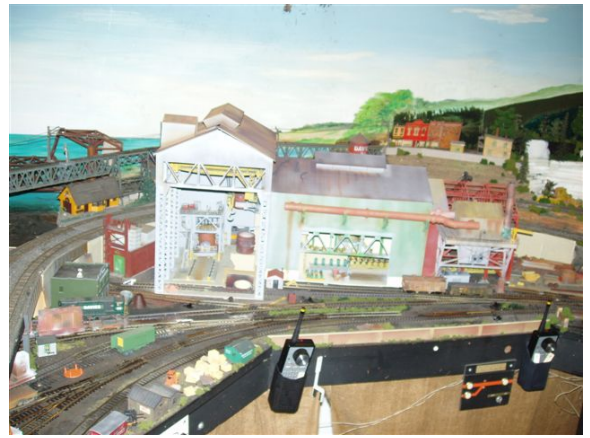
Miller yard



BOF (left), ingot stripper (center) and casting department (right)



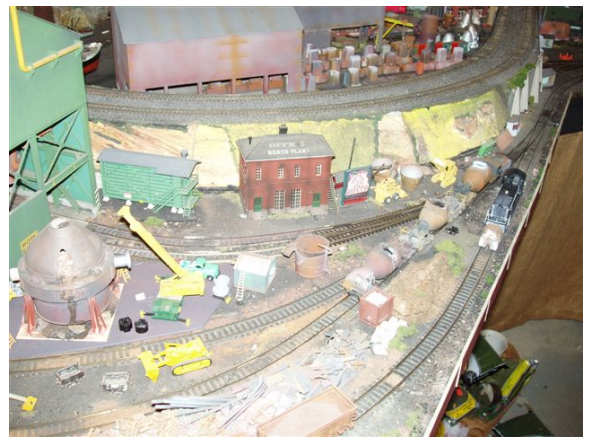
Casting department (left) and Iron City Transit bridge (background)



Continues caster



Lime facility



BOF



BOF



Electric melt shop



Locomotive service facility



Blast furnace no.2 and powerhouse



Roundhouse and turntable



Roundhouse and turntable

Photos are from Hein Hopmans' collection



BOF and ingot stripper



Reheat building (left) and blast furnace no.2 (right)



Blast furnace no.2



Blast furnace no.2 (left), powerhouse (center) and Norma blast furnace no.1(right)



Norma blast furnace no.1



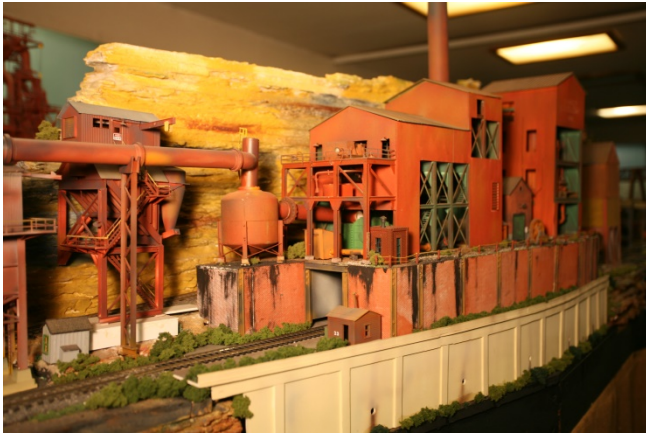
Norma blast furnace no. 1 (left) and coke oven (right)



Material storage yard



Looking down one of the mill tracks



Sinter plant



Control panel



Roundhouse and turntable



BOF, ingot stripper, and casting department



BOF(left) and electric melt shop (right)



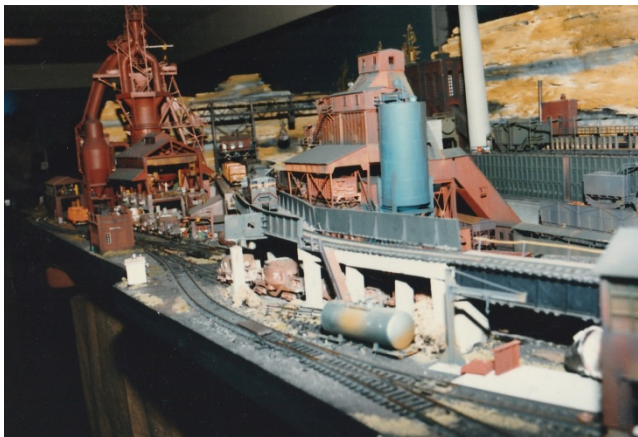
Looking down mill tracks, Norma BF no.1 (left)



Classification yard and yard hump



BOF



Norma BF no.1 (left), coke facility (right) and highline (foreground)



Miller Yard



Iron City Union Terminal



Classification yard and yard hump



By-products plant



Norma BF no.1 (left) coke facility (background) and highline (cent)



Norma BF no.1 (left), coke facility (right) and high line (foreground)



Roundhouse and future site of Ann Forge



Set of brass engines passing the by-products plant



Iron City Union Terminal



Slag Dump (left) and city (right)



Miller yard



Miller Yard



ICUT Engine Terminal



Looking over the mountain toward the coke loading facility



O Scale Bridge converted to HO scale



Electric melt shop and reheat building



South Ridge locomotive working the yard hump



Powerhouse, Norma BF no.1 (left) and Blast furnace no.3 (right)



Locomotive repair shop (left) and BF no.2 (right)



Locomotive service facility



BF no.2 (left) and engine terminal (right)



Davis Steel gondolas



Classification yard



Assorted cars in the classification yard



Davis Steel gondola at the reheat building

Photos are from John Teichmoeller's collection



Mill equipment built from Lego blocks



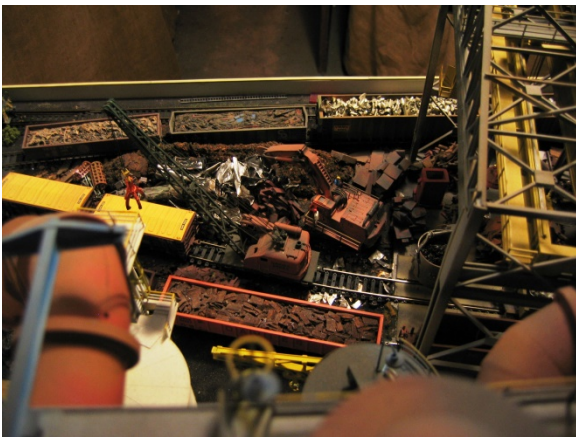
Hot metal cars at blast furnace no.2



Looking over the reheat build toward BF no.2



Mill lead behind blast furnace row.



Scrap detail in from of electric melt shop



Highline material storage yard



City



Pig iron loader



Electric melt shop



Random buildings



Slag loader



Highline material storage yard

Photos are from Ken Stroebel's collection



Highline material storage yard



Pig iron loader (left), material storage yard (center), and rehear building (background)



Roundhouse and turntable



BOF (left) Ingot stripier building (right)

Photos are from Tom Stewart's collection



Blast Furnace no.3



Davis Steel locomotive with spacer cars



Mill crane at the locomotive service facility



By-products plant



Lime facility (foreground) and BF no.2 being build (background)



Sinter plant



Electric melt shop



Yard lead



Electric Melt shop



Material storage yard.



By-products plant



Electric Melt shop (left) and reheat building (background)



Future site of Ann Forge



Mill tracks



Iron City Transit bridge



Sinter plant



Electric melt shop (left), and rehear building (right)



Material storage yard.



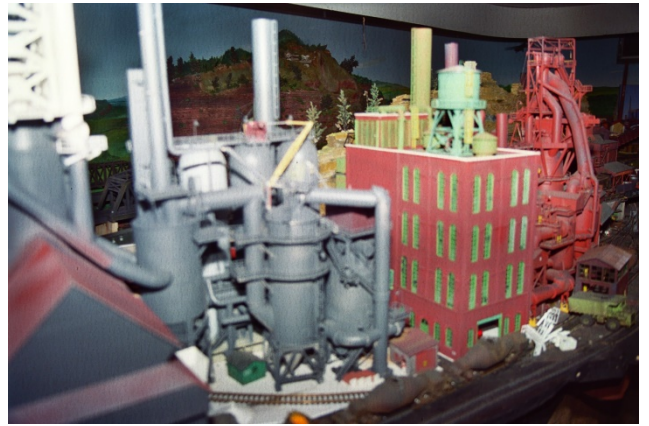
Classification yard



Highline



Mainline around the roundhouse and turntable



Blast furnace no.2 (left), powerhouse (center), BF Norma no.1 (right)



Yard leads going into the classification yard



Looking over the electric melt shop building toward blast furnace no.2



Mill equipment



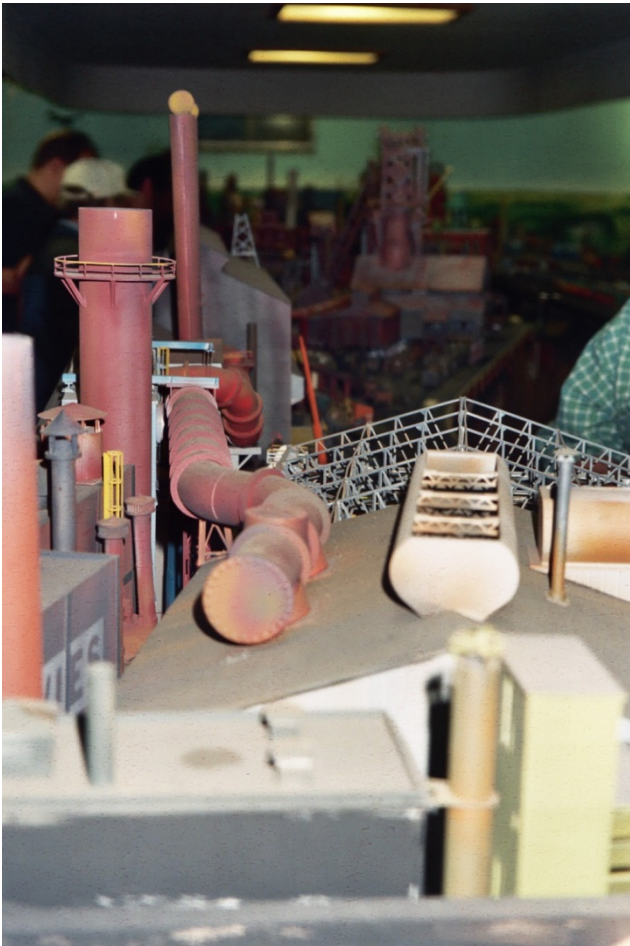
By-products plant



By-products plant



Coke oven



Looking of the electric melt shop building toward blast furnace no.2



Blast furnace no.3 and highline

Model Railroader

Building Freytag's Foundry Part 1

Part 1: Constructing the main foundry structures

April 2009

Building Freytag's Foundry Part 2

Part 2: Modeling the HO scale plant's crane way

May 2009

Heavy Industry In HO (By; Jim Hediger)

Dean Freytag's steel mill model is the centerpiece of a layout

Nov. 2003

The Davis Steel Coke Plant Part 4

Oct 1991

The Davis steel Coke Plant Part 3

Aug. 1991

The Davis Steel coke Plant part 2

June 1991

The Davis Steel Coke Plant part 1

April 1991

The Paper Punch – Filling in the blanks by A. Kitt Basher

May 1989

A Big Bridge for your double track main from Lionel

Feb 1986

A Vertical Lime Kiln - - Heavy Industry

Nov. 1980

Dean Freytag's 13x38 South Ridge Lines - - Heavy Industry

November 1980

Preparing sorghum trees

Aug 1972

NMRA Bulletin

A Steel Gondola Rack

June 2008

The Kit basher

Dean "The Dean of Styrene" Freytag introduces his new column on modeling tips

Aug. 1995

You Won't win if you Don't enter

June 1988

Distinctive Rolling Stock

Nov. 1980

Ode To "Thumbs"

Nov. 1976

Humpspert

April 1975

S Gaugian

Make A Scale-Appearing Track

Model Railroading

Modeling six Different Mill Cars From ST&D Universal Mill Cars

October 2002

A Few Freelanced Flats: Simple Projects to add Variety

June 1994

A Kit bashed ATSF FE-35

Jan. 1993

Santa Fe 60' Express Box car

Oct. 1992

Town Border Station

July 1992

A Kit bashed Conrail Scale test car

Sept 1991

N&W F3a Flat car for Grinding Lap Loading

July 1991

Kit Bashing a B&O Canstock Car

April 1991

Milwaukee Road Stock Car – My First Kit bash

Jan 1991

Distinctive Bulkhead Flat cars

Aug. 1990

Cover Hopper Conversion

June 1990

Covered Hopper Conversion'

May 1990

Covered Hopper Conversion

April 1990

B&O Coal Min Tipple From Pike Stuff and Central Valley Parts

April 1989

Railmodel Journal

Power house Kit-Conversion, From Walthers' Kits

September 1995

Scratch build a Steel Mill From Pike stuff Parts

Aug 1994

Kit bash a Triple Hopper to N&W

June 1990

MainLine Modeler

Dean Freytag – A modeler you should know

Sep 1989

Railroad Model Craftsman

Dean's Machines

A Light Look at Heavy Equipment

December 2003

A Steel Mill Heavy Hauler – Kit bash a Specialized Vehicle

February 1996

Modeling a Bottle car to carry molten steel

Nov. 1994

Kit Bashing Rogue River Mills

May 1994

The Siamese Connection – Fire hydrants on outside walls

Jan 1994

Big Vent for your the roof of your structure

Jan 1993

When there's no switcher - use a winch

July 1992

Ingot mold and buggies – a steel mill basic

Jan. 1992

A Pittsburgh-style bridge - strengthening the Atlas Bridges

Sept. 1990

Introducing the Cardinal System – 4rr's coordinate traffic

April 1989

New details and hoods for HO coil cars

Oct. 1988

Western Maryland TOFC Trailer and Vans

August 1987

Bottle Gas Warehouse – 2-d has 3-D Effect

March 1985

Combine to Gas-electric

May 1973

Videos

Allen Keller

Volume 3

Features Dean Freytag's & C.J. Riley's Layouts

Green Frog Productions

Styrene The Ideas, Tips & Techniques of Dean Freytag

Books

Walthers

The History, of Making and Modeling of Steel

Plastruct

The Cyclopedia of Industrial Modeling