THE FAILURE AND RIGHTING OF THE TRANSCONA GRAIN ELEVATOR
Section Through Elevator – Looking West
Elevator in 1993

(Now Owned And Operated by Parrish & Heimbecker)
Elevator During Failure – Note Conveyor Belts and Cupola Still Attached
View of Bins Looking East – Note Cupola Detached
West Side of Elevator After Failure
General View of Elevator & Bins From NE
N End Showing Inclination of Bins - Note Heaved Earth
Section Through Elevator Before & After Failure

CONCRETE CUPOLA

EAST

ORIGINAL POSITION

PRAIRIE LEVEL

-9.3'

REFUSAL (HARDPAN)

-43'

WEST

AFTER FAILURE
OCT 18, 1913

HEAVED SOIL

CLAY FILL
BROWN CLAY
GREY CLAY
GLACIAL SILT TILL
BEDROCK

-12'
UNDERPINNING THE WORKHOUSE
D. Ferguson (CP Electrician), A. Chestnut (Timekeeper), P. Burk Gaffney (CP Inspector)
Shores on West Side of Workhouse
Disposal of Dirt From Workhouse Basement
Electric Hoist in Workhouse Basement
Secondary Shores in 2nd Floor of Workhouse
Sinking “Chicago Well”
Curved Skidway For Hoisting Pails of Dirt From Chicago Wells
Pulsoimeter Pumps Barely Holding Water in Well
Steam Driven Piston Pump
Starting of For Red River at - 32 deg
RIGHTING THE BINHOUSE
Unloading Boiler
The “Original” Plan
To Right The Structure
Heaved Earth on East Side of Bins Before Excavating
Opening Trench on E Side of Bins
Excavation on East Side of Bins
East Trench Looking North
Excavating East Side of Bins Looking South
Starting to Drift Tunnels Under Bins
East Conveyor
Loaded Looking North
Looking West Through North Conveyor Trench
Hauling Dirt Up North Conveyor Trench
Drive and Hopper of East Conveyor
Dirt Hopper Discharging to Wagon
Disposal of Earth From East Excavation
Pushers West of Bins
West Side Pushers - Note Holes in Side of Bins to Tap Grain
Shoring Screws at Foot of Pushers
Timber Pushers on West Side of Bins
Sand in Crevise West of Bins
Kicking Braces in East Trench
Failure of BC Fir Foot Block of Kicking Brace
Excavating Between Workhouse and Bins
Bracing in East Trench
Controlling Movement Before Setting Jacks
Site of Accident to A. Perrault
• Row K to 16 deg
• Row I to 8 deg
• Row H to vertical

The “Revised” Plan to Tip & Lift The Structure
Cross Bracing in Conveyor Tunnel (left) & Steam Powered Jackhammer (right)
Jacks on “K” Row of Piers – Note Hole Cut Through Bin Slab
Jacking Unit on “K” Row
Crib Leaning on “K” Pier Due to Eastward Movement of 2.5 Feet
Rest Period on “K” Row Jacking Operations
View of Jacks on “J” Row of Piers
Arrangement of Timbering on "I" Piers

Timber Rocker on "I" Row of Piers
“G” and “H” Row Screws Under Mat
N End Showing Angle of Bins (9 deg)
Broken Screw From “G” Row
Cribbing and Jacks on “G” Row
Slacking Screws on “G” Row
Cribbing and Jacks on “G” Row
Wells, Cribbing, Jacks & Inclined Posts Under Mat
Experiment to Show Pier Loading Under Bins
Protractor in Bins (bottom) & Plumb Bob (right) Showing Inclination of Binhouse
Pay Day For Jacking Crew!
View From Northwest During Righting
Scaffold Supporting Centrifugal Pump in Chicago Well
Concrete Mixer
North End of Bins After Righting
Messer's Barbier, Rankin, Ross & Lewis
Site of Accident to Gordon Ferris
Progress View of North End of Bins
Progress View of North End of Bins
Bins Righted – October 17, 1914 at 10:15 AM
Northwest Corner of Bins After Righting
Grading West Side of Bins
Sump in Basement at North End