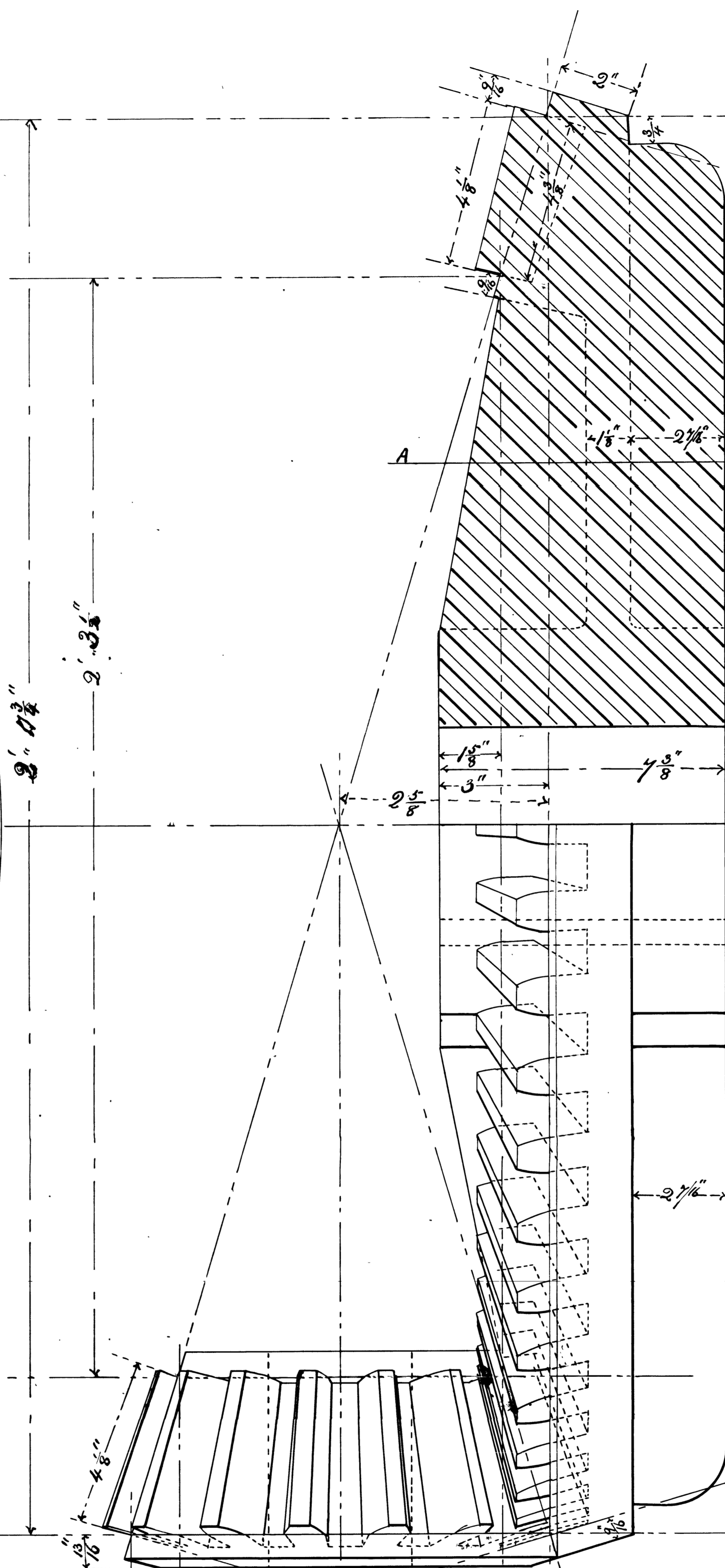
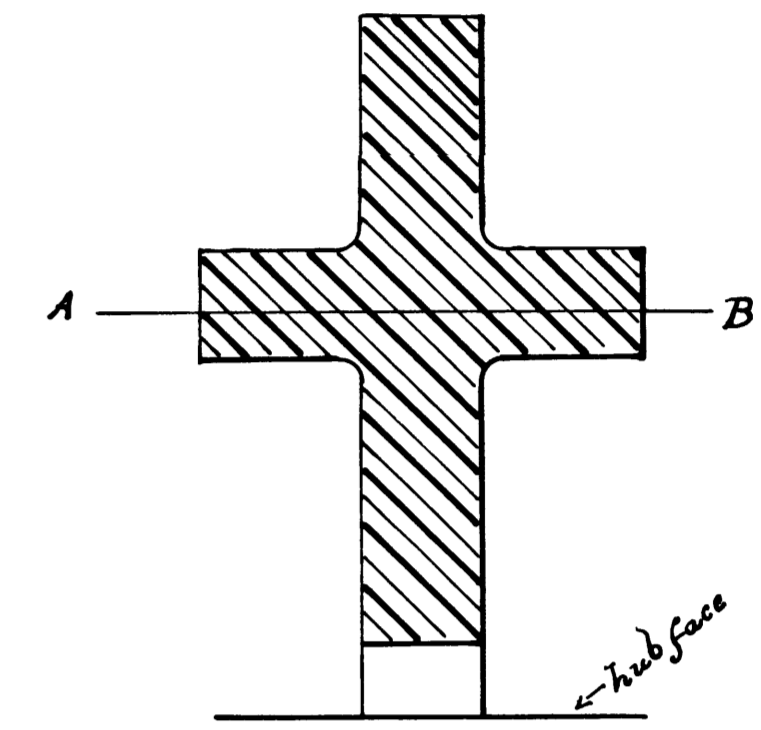


Wheel, 52 teeth, & $2 \frac{13}{64}$ pitch.



15 teeth in Pinion.



Section through A.B.

— UNION PACIFIC —
 — PACIFIC DIVISION —
 — BEVEL Spur WHEEL AND PINION. —
 — FOR —
 — WILLAMETTE STEEL BRIDGE. —
 — Scale Half Size. —
 — Albina Shops Oregon. —
 — June 1891. —

