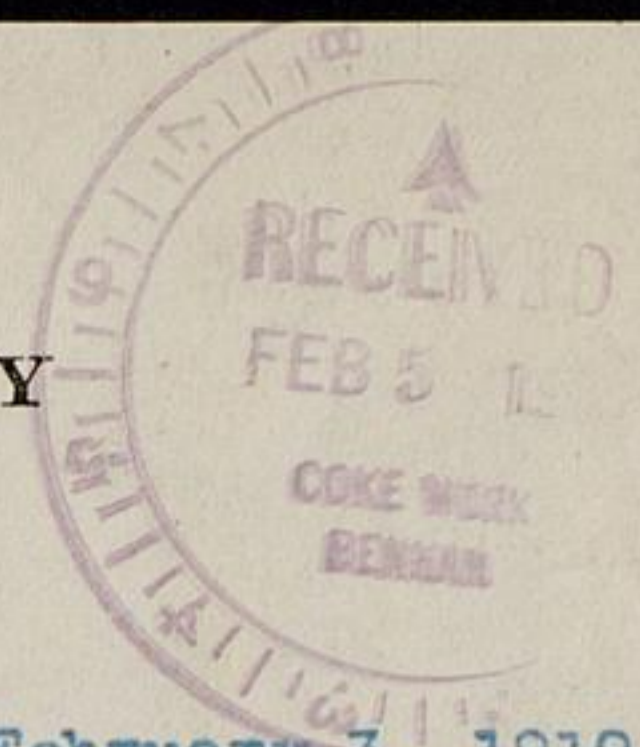


# WISCONSIN STEEL COMPANY

HARVESTER BUILDING  
606 SOUTH MICHIGAN AVENUE



CHICAGO, February 3, 1919  
9890

Wisconsin Steel Company,  
Benham, Kentucky.

Pumphouse  
Compressor  
Motor Drive

Gentlemen:

WISCONSIN STEEL COMPANY - BENHAM  
MR. BAKER'S INQUIRY JANUARY 24-1919  
MOTOR TO DRIVE 12"x 14" COMPRESSOR

Would say 50-HP motor, phase wound slip ring type with external resistance and drum starting controller and K-20 oil switch overload and low volt release.

As to drive - synchronous speed of motor 720 r.p.m. When working would be about 690 r.p.m. This would mean 14" pulley on motor driving to 60" pulley on compressor- Pulley on motor 14" dia. x 13" face would call for 12" single ply leather belt approximately 1/4" thick- Centers for straight drive should be long, not less than 15'- If short centers only are possible, idler would have to be used. However, please take up this matter of drive with the Master Mechanic's Department.

Very truly yours,

*J. S. Brownson*

*You might consider rawhide pinion on motor for drive if cramped for room re*

*J.S.*