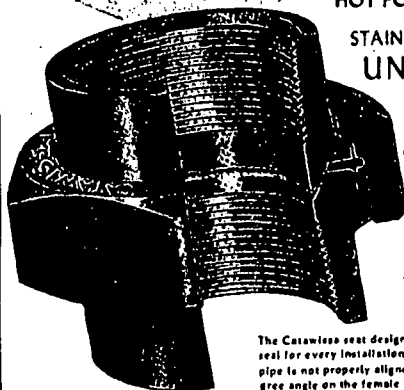


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specify CATAWISSA**

*there is a
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OR OLD...**

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STAINLESS STEEL
UNIONS**

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1/8" TO 3"

Cold-Working Pressure
up to 3,000 pounds.

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206 Mill Street
CATAWISSA, PENNA.

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them should be used. The belt manu-
facturer should determine allowable
tension.

If tightening fails to reduce belt slip-
page, the engine flywheel surface will
have to be altered in some manner. This
can be accomplished in two ways. First,
the engine pulley can be covered with
old leather belting. This covering must
be securely fastened to the flywheel to
prevent loosening. The method of
fastening will depend upon the flywheel
construction. The power transmitted
with this type of arrangement is about
25% greater than the present maximum
capacity.

The second method consists of
"roughening" the engine flywheel sur-
face enough to remove the polished
metal. Extreme care should be exer-
cised to prevent removal of too much
surface metal. The surface should be
such that it will not injure the belt. A
portable grinder with a soft wheel is
the best tool for the job. Grind to a
dull finish.

New York City T C HICKS

Lag the Flywheel

BELT SLIP CAN BE eliminated by lagging
the flywheel with either leather or 6-ply
rubber belting. Friction depends upon
pressure, but adhesion depends upon
surface contact. The more the belt ad-
heres to a pulley surface without strain-
ing, through too much tightening, the
better the driving power.

A leather- or rubber-covered pulley
produces more friction than a polished
or rough iron surface. Good belt dress-
ing increases belt adhesion. Friction of
leather or rubber upon leather is four
to five times greater than leather upon
iron.

I would suggest a lagging material
that is thin and pliable enough to be
handled, and applied tight and smooth
to the pulley face. Because of the width,
it would be well to use two separate
pieces for a total of 28 in. Although this
calls for another row of bolts on the
inside edge it is well worth it because
the two separate pieces take care of the
crown of the pulley much better than
one 28-in. piece.

I suggest the following material:
2 pieces of double-ply leather or 6-ply
rubber belting, 14 in. wide and long
enough to reach around the pulley, plus
enough to make a 45-deg. butt joint.
Anoka, Minn. H J GREINER

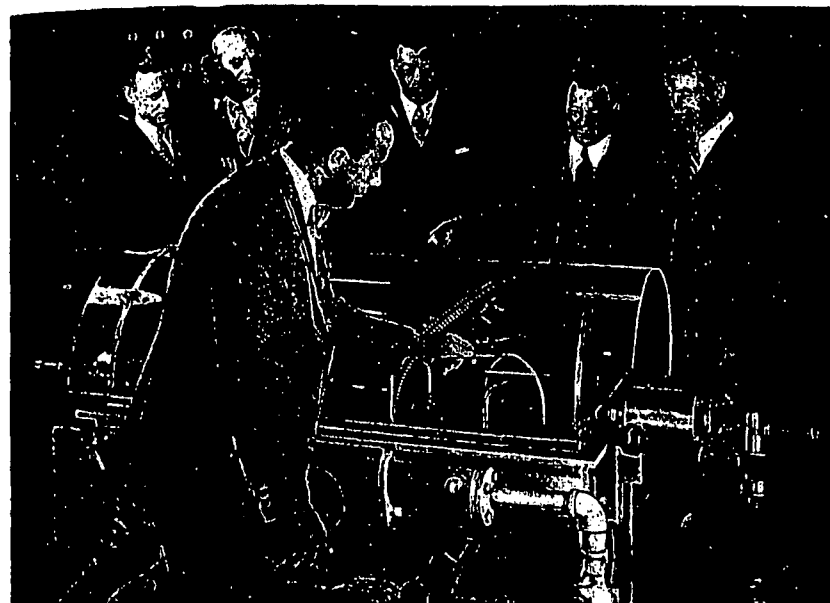
Clean and Re-oil Belt For Better Grip on Pulley

IM's DRIVE seems to be capable of han-
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