

Requisition No. _____

ENGINEER'S OFFICE

F. P. No. 1208-C

Drawn by _____

CHAMPION COPPER CO.

PAINESDALE, MICH.

Checked by _____

Date _____ 191__

SUBJECT _____

8' Con. Mill Gear.

H.P. = 55

Motor R.P.M. = 490

Teeth = 13 

P.D. = 5.34

$$\text{Tooth pressure} = \frac{55 \times 33000}{.445 \times 3.14 \times 490} = 2650 \text{ lbs.}$$

Face = 10"

$$\frac{2650}{10} = 265 \text{ lbs. pressure per inch of width.}$$

Dia. P = 2 1/2"

8 Ft. Mill at C. & H.

H.P. = 45

Tooth Pressure = 2170 lbs.

(Has been running 9 mos.
and is O.K.)

$$\frac{2170}{8} = 271 \text{ lbs. pressure per inch of width.}$$

ACCOMPANYING LETTER

THE FALK COMPANY

MILWAUKEE

SKETCH NO. _____

DATE _____

DRAWN BY _____

NAME _____

MAIN DIMENSIONS OF FLEXIBLE COUPLINGS

CHECKED BY _____

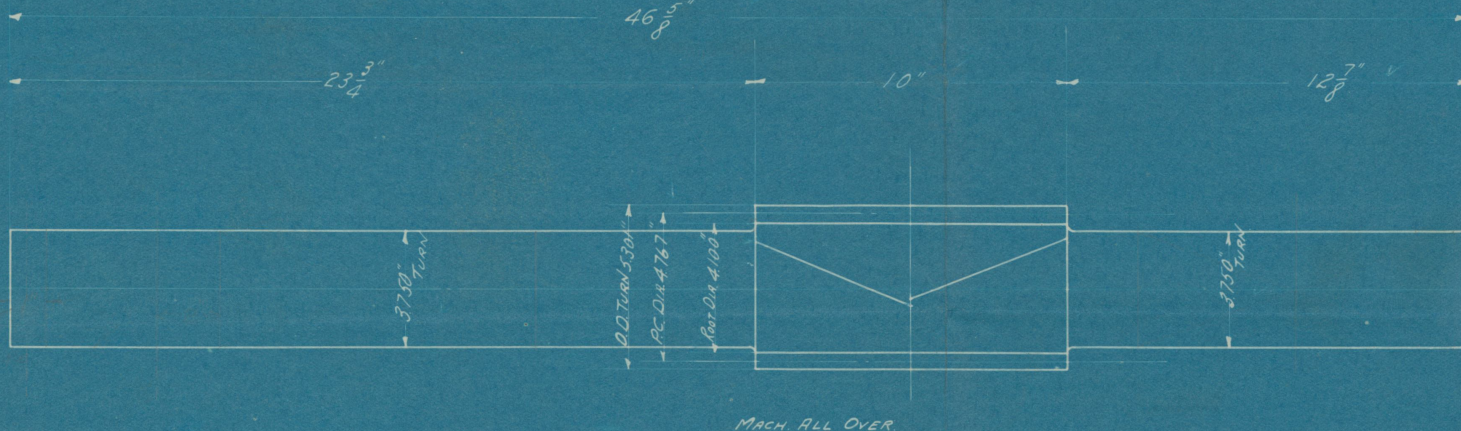
LOCATION _____

SUBJECT _____

NO. OF COUPLING	A	B	C	D	E	F	G	H	I	J	RINGS		INSIDE
											NO.	PLY	DIA. LENGTH
No. 6	15"	5"	5"	4½"	7"	¼"	15/16"	5 15/16"	4 1/8"	11 3/4"	8	5	2 13/16" x 2 1/4"
" 7	18"	6"	6"	5"	7 1/2"	¼"	1 1/4"	6 5/8"	4 7/8"	12 3/4"	8	5	3 1/16" x 2 1/2"
+ " 8	20"	6 1/2"	6 1/2"	6"	8 1/2"	¼"	1 7/8"	7 1/4"	5 5/8"	14 3/4"	10	5	3 5/16" x 3" <i>1001P W.W.K.</i>
" 9	24"	8"	8"	6"	9 1/2"	¼"	1 3/8"	7 7/8"	6 1/2"	15 3/4"	10	6	3 15/32" x 3"
" 10	30"	9"	9"	7 1/2"	10 3/4"	¼"	1 11/16"	8 7/8"	7 1/16"	18"	12	6	4 11/32" x 3 1/2"
" 11	35"	10 1/2"	10 1/2"	7 1/2"	11 1/4"	1/2"	1 7/8"	7 1/4"	10 1/8"	19 1/4"	12	6	4 15/32" x 4"
" 12	42"	13"	13"	9"	13 1/8"	3/8"	2 3/8"	11 3/8"	8 5/8"	22 3/8"	14	8	4 7/8" x 4 1/2"
" 13	49 1/2"	14 1/2"	14 1/2"	12"	16"	1/2"	4 3/4"	12 3/4"	11"	28 1/2"	16	8	5 1/8" x 5"
" 14	59 1/2"	18"	18"	12 1/4"	16"	1/2"	5"	12 3/4"	11"	28 3/4"			
" 15	70"	20"	20"	14"	19"	1/2"	5"	15"	13 1/2"	33 1/2"			

PATT. NO.	PIECE NO.	MATERIAL	NO. REQ.	DESCRIPTION
	1	4 1/8 CARB.	1	PINION SOLID ON SHAFT.
TO MESH WITH GEAR HG-1646 ^E AT 29.334" CENTERS				

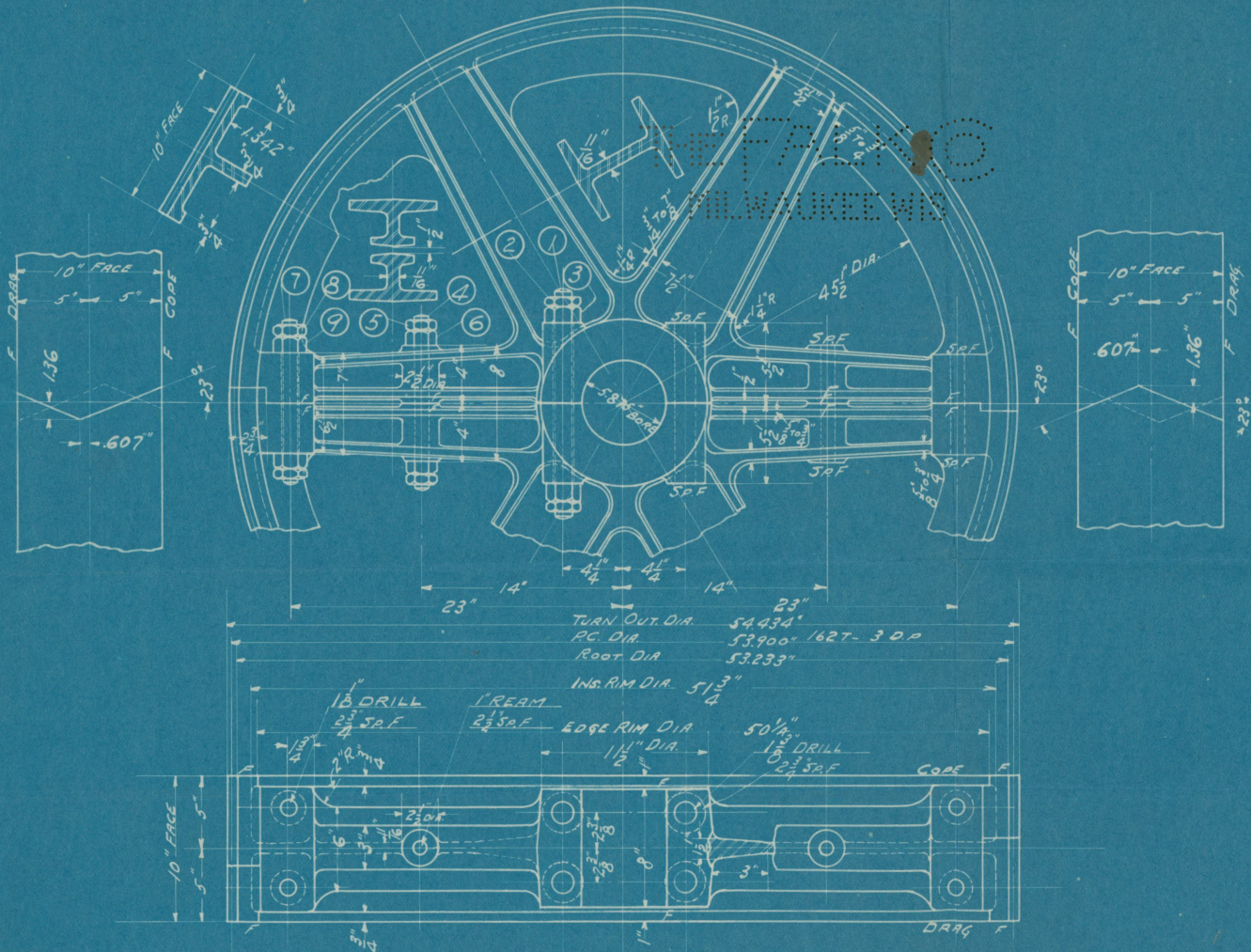
THE FALK CO.
MILWAUKEE WIS



Adams Township, MI

HG 1645C

The Falk Co.,		MILWAUKEE, WIS.		
GEAR DEPARTMENT				
CARB. ST. PINION SOLID ON SHAFT				
14 TEETH 3 D.P. 10" FACE.				
DRAWN E. J. H.	TRACED E. J. H.	CHECKED <i>[Signature]</i>	APPROVED	
DATE	WHO FOR	QUOT. NO.	S/O NO.	JOB NO.
6-30-14	C. C. Co.		1214	
DETAILS SEE DRG. NO.				
SCALE 3" = 1 FT.				



PATT. NO.	PIECE NO.	MATERIAL	No. Rq.	DESCRIPTION
2326-G-A.		CAST ST.	1	HALF WHEEL A.
2326-G-B.		" "	1	HALF WHEEL - B
	1	B-B	4	STUD 1 1/2 X 1 3/4 U.S.S. THDS 3 1/2 BOTH ENDS
	2		8	1/2 SEMI FIN. HEX NUT FIN. TOP & BOT.
	3		8	1/4 " " " JAM. " " " "
	4	C.P.S.	2	STUD 1 X 1 1/2 U.S.S. THDS 3" BOTH ENDS
	5		8	1" SEMI FIN. HEX NUT FIN. TOP & BOT.
	6		8	1" " " JAM. " " " "
	7	B-B	4	STUD 1 X 1 1/2 U.S.S. THDS 3" BOTH ENDS
	8		8	1" SEMI FIN. HEX NUT FIN. TOP & BOT.
	9		8	1" " " JAM. " " " "

TO MESH WITH PINION HG-1645 AT 29.334 CENTERS.

HG 1646C

The Falk Co., MILWAUKEE, WIS.
 GEAR DEPARTMENT
 CAST ST. GEAR
 162 T. 3 D.P. 10" FACE.

DRAWN E.J.H.	TRACED E.J.H.	CHECKED <i>[Signature]</i>	APPROVED
DATE	WHO FOR	QUOT. NO.	S/O NO. JOB NO.
6-30-14	C.C.Co.		1214

DETAILS SEE DRG. NO. SCALE 1/2" = 1 FT.

Adams Township, MI

ACCOMPANYING LETTER

THE FALK COMPANY

SKETCH NO. _____

DATE _____

MILWAUKEE

DRAWN BY _____

NAME _____

CHECKED BY _____

LOCATION _____

SUBJECT. _____ *FLEXIBLE COUPLING* _____

