

July 2014

## Bevel Gears- Indiana Gear Meetings at Worcester, 22 March 1966

E. W. Randall

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### Recommended Citation

Randall, E. W., "Bevel Gears- Indiana Gear Meetings at Worcester, 22 March 1966" (2014). *Morgan Documents*. Book 208.  
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MORGAN CONSTRUCTION CO.  
ROLLING MILL DEPT. MEMORANDUM

→ ~~ASW~~  
2. RLS  
3. ~~SD~~

	ACT	INF
KNIGHT		X
LONGNECKER		X
PARSTERS		X
MERCER		X
MORGAN, P. M.		X
MORGAN, PA. S.		X
MURRAY		X
GEN. FILE		X
Morgan, Pe. S.	X	
BERGSTROM		
EJORK		
Davis, W. R.		X
GNITTICK		
COMTOIS		
ERICKSON, A.		
FALCONER		
FONTAINE, H.		X
FONTAINE, R.		
GILVAR		X
HITCHCOCK		
HERMES		
HILL		
HOLBROOK		
KINNIGUTT		
LOTT		
MCMILLEN		
MORGAN, M.		
MURRAY		
NEELY		
MacNutt		X
NYGARD		
PODGE	X	
POOLE		X
PRENTICE		
RANDALL		X
REARDON		
SIEURIN		
WASHBURN		
WIGINGTON		
WILSON		
WINTERS		
WOOD		
WRIGHTSON		
WYKES		
YOUNG		
Ugone	X	
ENGLAND		
PYTS.		
Whittington		
IND. CONT.		
MORGON		
WIRE DRWG.		

TO: As noted.

DATE: 25 March 1966

FROM: E. W. Randall

SUBJECT: Bevel Gears - Indiana Gear  
Meetings at Worcester, 22 March 1966

George Fogas and Al Kormmann, of Indiana Gear, visited us to develop plans for MCo. to procure and machine forging blanks for bevel gears for no-twist mills.

The following items were discussed:

1) Plans are for MCo. to furnish enough annealed blanks machined to Indiana manufacturing sketches to satisfy the requirements for both 6" and 8" no-twist mills for Bethlehem, Niederrhein and Fairless with spares included. Also included are enough extra pinion blanks for the manufacture of masters for inspection. Sepia prints of sketches from Indiana will be available by 10 April.

2) All pieces will be of 9310 steel to be carburized and ground.

3) The schedule is proposed to be as follows for the 6" stands:

Forgings received in Worcester  
Start Week 617 (29 April)  
Complete Week 624 (17 June)

Turned blanks shipped to Indiana from Worcester  
Start Week 621 (27 May)  
Complete Week 635 (2 September)

Finished gears shipped from Indiana  
Start Week 634 (26 August) 16 pairs  
16 pairs per each 2 weeks thereafter  
4 Strands complete Week 636 (9 September)  
10 Strands complete Week 642 (21 October)  
16 Strands complete Week 652 (30 December)

The above schedule does not specifically allow time for development of master pinions.

4) A schedule for bevel gears for the 8" stands is still to be developed. It is understood that the 8" bevels will be required with the first four strands of the 6".

5) New drawing numbers have been assigned for carburized bevel gears. (See S.O. memo, 23 March 1966.) The drawings will include the following information:

- a) Either manufacturing procedure similar to that shown on photostatic reproductions of 167672 and 167676 marked for carburized gears for Niederrhein, or reference to separate drawings which would present this procedure. (Marked prints 167672 and 167676 are available from Research Department.) *Use separate dwg. for mfg. procedure. - EO*
- b) Forging blank reference.
- c) Reference to inspection and specification drawing for carburized bevel gears (B171744).
- d) Details of manufacturing sketches showing dimensions before gear cutting (taken from Indiana sketches).
- e) Reference to Gleason summary for ground teeth.

MCCo. Purchasing has already placed orders for the forging blanks. Purchasing will arrange for delivery of the blanks in a sequence consistent with Indiana delivery sequence.

E. W. Randall

EWR:mjf