ST REGIS
CULVERT INC.

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ROTATING TOOTH BLADE
— OPERATING INSTRUCTIONS —

- Install blade sections to grader moldboard using minimum grade 8 dome head plow bolts and nuts.
  NOTE: Ensure grader moldboard is completely cleaned off from built up hardened mud, etc., to allow blade sections to fit flush on moldboard.
- After blades are installed lower grader moldboard on flat level surface.
- For proper and maximum performance of this tooth design and blade wear, tooth angle must be at 45° angle to road surface, automatically setting blade body and moldboard layed back to approximate 75° angle. (See sketch 2)
- Mark grader circle with paint or marker with a line visible from grader cab for grader operator to maintain this setting.
- For maximum teeth wear they must remain turning consistently, this is only achieved by **daily** high pressure washing of back of grader blade at top of teeth, then applying lubricant to all teeth, using a non-corrosive oil, varsol or diesel fuel, the latter being the most effective.
  NOTE: It is recommended that grader operator carry in the grader a squirt can of lubricant, so additional application can be applied if needed, depending on road conditions, etc.
- This design of tooth is not recommended for back dragging. (May pull the teeth out of holder).

MAINTENANCE INSTRUCTIONS

REMOVING TEETH:

- Use a punch and hammer to remove teeth from holder, hammering from top of tooth.
- There should not be extreme difficulty removing teeth, because daily lubrication will keep spring couplers free from rust buid-up. If still having trouble contact your dealer and manufacturer.

INSTALLING NEW TEETH

- Compress spring coupler with pliers or vise grips to get tooth started, then hammer completely into hole as far as it will go. Refer to page 4 for tooth part numbers.
  IMPORTANT: Do not hit tooth tip with steel hammer without having a piece of wood in between. (This will prevent carbide tip from shattering). Rubber mallet or plastic hammer is also recommended.

INSTALLING NEW VALSTRIP™

- When wear strips begin wearing into blade body, replace with high abrasive resistant Valstrip™. (Recommended to do complete blade section) Refer to page 4 for part numbers of wear plates and welding rod, and the needed quantities!
- Torch off old wear plates and weld holes, grind blade smooth, using special VBL (VALW) welding rod remount plates. (See page 4)

SKETCH 2