Tiger Cub ‘58: Bottom End

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What is the bottom end?

Layshaft  Shifter/Cam Plate  Cam

Mainshaft  Oil Pump

Primary Chain  Clutch Basket
Transmission
Gears for Standard ratio

Input (Main Shaft)

Lay Shaft

(Output Sprocket)
1st Gear

Input: Output
\[(28/17) \times (29/16) = 2.99\]

Output: Input
\[1/2.99 = 0.33\]
Neutral

Output Sprocket does not rotate
2nd Gear

Input: Output
\[
\frac{28}{17} \times \frac{25}{20} = 2.06
\]

Output: Input
\[
\frac{1}{2.06} = 0.49
\]
3rd Gear

Input: Output
\[(28/17)\times(28/17) = 1.32\]

Output: Input
\[1/1.32 = 0.76\]
4th Gear

Input: Output = 1.00
Output: Input = 1.00

(Output Sprocket)
A Problem