Why do staggered knives chip tree trimmings better?

Smother, more economical operation that is easier on the chipper's internal mechanisms are the solid reasons for staggered knife superiority.

Look—most brush chippers use four knives that run the full length of the cutting cylinder. They are spaced around the cylinder at four equal intervals.

M & M, however, divides the same knife length up into 16 smaller knives, spaced only inches apart around the cylinder. Full length knives take only four cuts each time the cylinder revolves. The staggered knives take 16 cuts per revolution.

This faster cutting action draws the log in smoothly and distributes cutting shock four times more evenly throughout each cylinder revolution. Machine vibration is virtually eliminated; there is less shock per bite; horsepower is used more efficiently; and a lot of fuel is saved.

Knife changing is quicker and easier in M & M design too, because we use a foolproof pin and wedge-lock principle. Knife sharpening is a snap, because no angle grinding is required and the double edged knife can be sharpened many times before it needs replacing.

Why can you get staggered knives only on M & M chippers? Because M & M has been the design leader of wood reduction equipment for over 70 years.