## **DESIGN OF LEAF SPRING**

of leaves has full length and greaduated leaves, then

Length of leaf doing leaves

Let 24 = length of Span (or) overall

length of the Apring

l = width of band (or) distance
between the certers of Ubobs
[It is Ineffective length of apring]

Mp = number of full length cleaves

Mg = number of graduated leaves

M = Notal number of leaves

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Effective length of spring 21 = 21, - I [when board is used] 22 = 24 - 2 & [ when U bolt is ] Long on of Smallest leaf . = Effective length + Ineffective length Lengton of next load = [ Effective long to x2] & Ineffective length Length of master leaf = 2 L, + TT (d+t) x 2 d - Inside diameter of eye t - thickness of master leaf Radins of curvature The tepproxiamate relation between the radius of curvature and the cambes of the Spring is given by R = 1,2

The exact relation is given-ly

Y (2R & 4) = (4)<sup>2</sup>

Li > half Epan of the Spring

Y > Camber of the Spring