DIAGRAM SHOWING LENGTHS OF
1½-IN. PIPE
UNDER STRAIN FOR VARIOUS EXPANSIONS.
Secondary Expansion $(s) =$ Zero
Maximum Fiber Stress $= 12\,000$ lb. per sq. in.

Expansion (r), in Inches.

$l_2 = \infty$
$l_2 = 8l_1$
$l_2 = 4l_1$
$l_2 = 2l_1$
$l_2 = l_1$
$l_2 = \frac{1}{2}l_1$
$l_2 = \frac{1}{4}l_1$
$l_2 = 0$

Length of 1½″ Pipe under Strain (l_1), in Feet.