

APPENDIX

RESULTS FROM TENSILE TEST

Table AI

Results of rolled brass

0.2 per cent proof stress	36.68 ksi.
Represented yield stress,	45.20 ksi.
Elastic modulus, E	$13.9 \times 10^6$ psi.
Plastic modulus, E'	$0.1683 \times 10^6$ psi.
Ratio of plastic modulus to elastic modulus,	0.0121

Table AII

Results of black mild steel

Lower yield stress	50.1 ksi.
Elastic modulus	$25.2 \times 10^6$ psi.

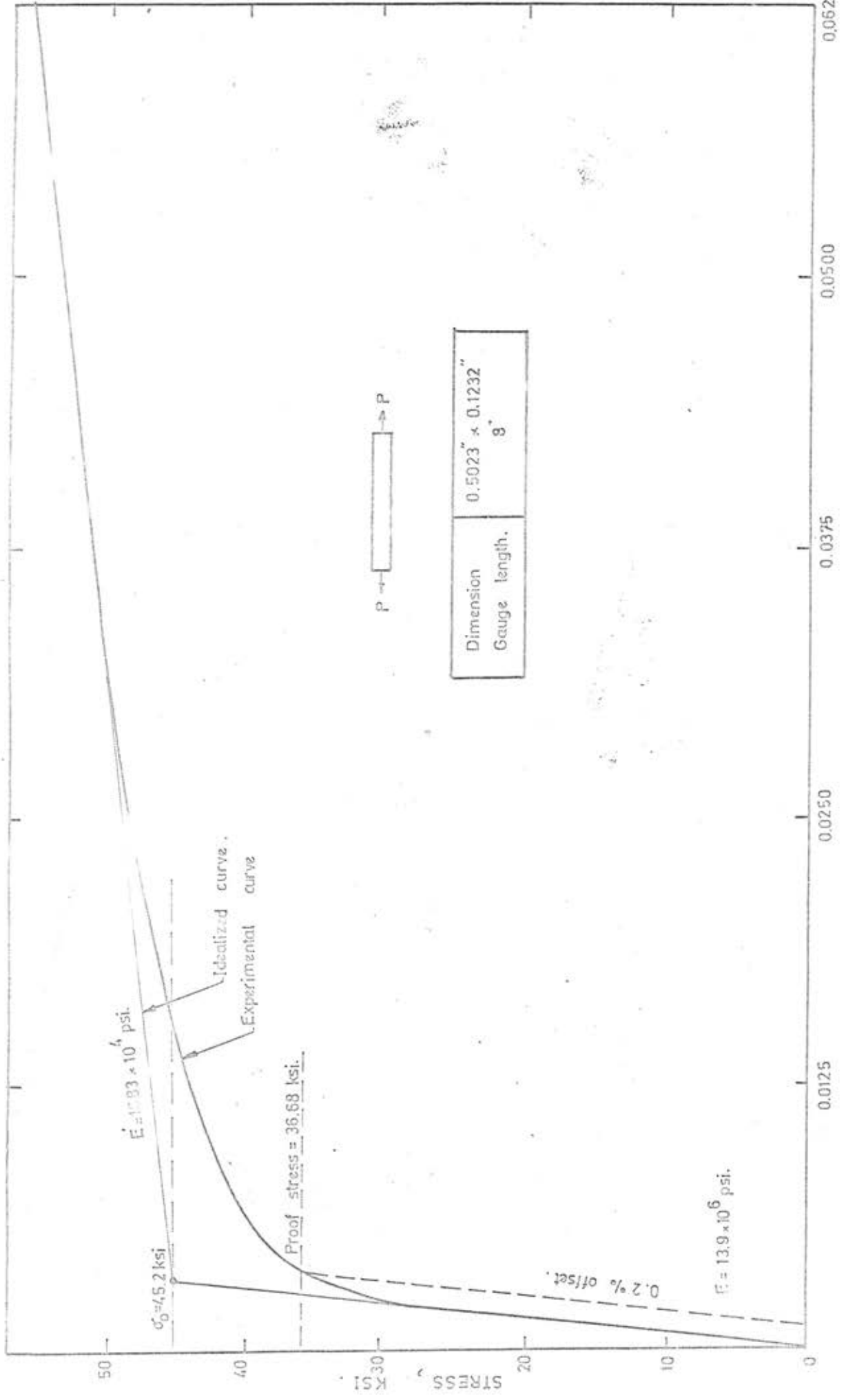


Fig. A1 Stress-Strain Curves of ...

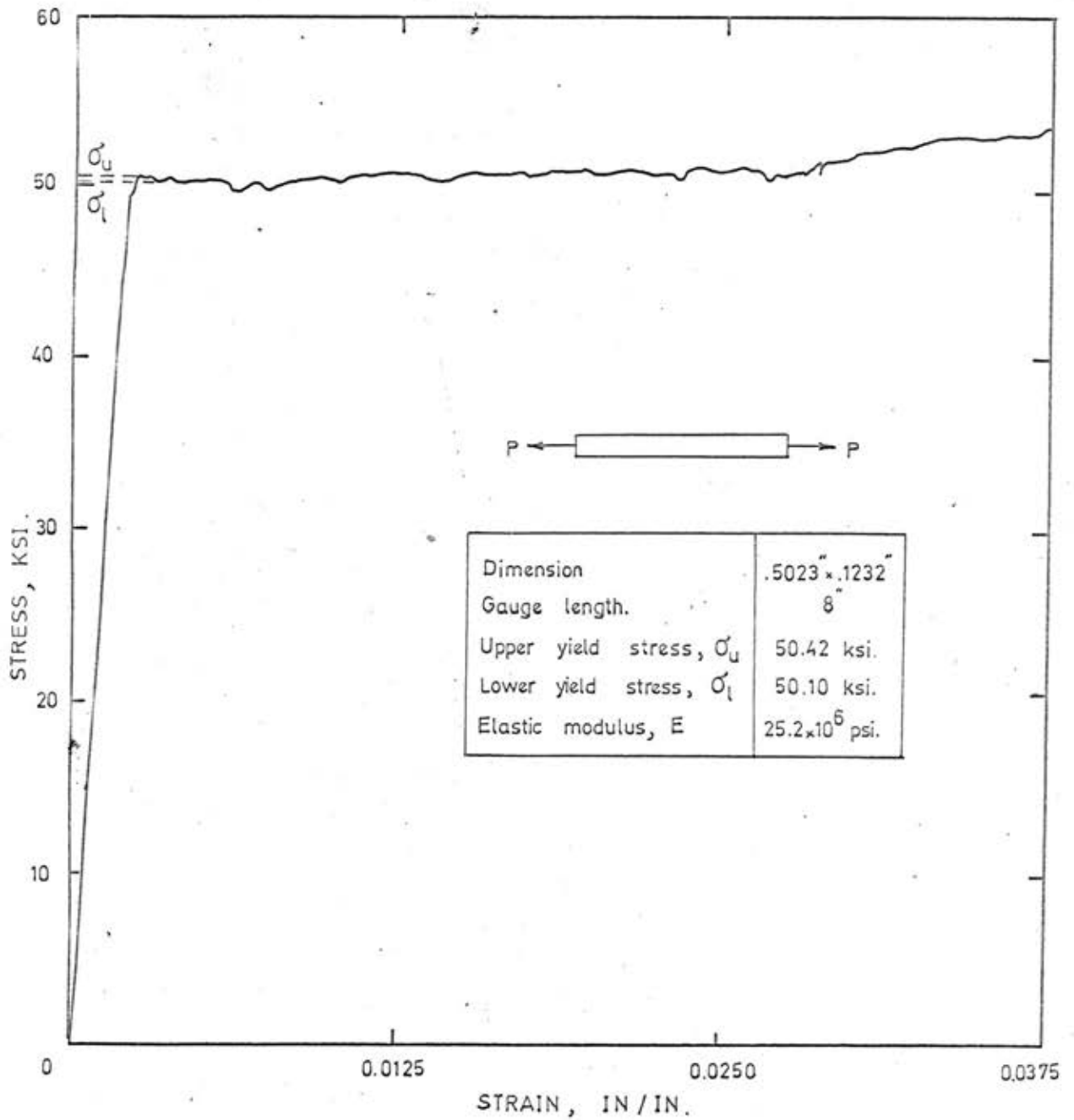


Fig.A2.— Stress - Strain Curve of Black Mild Steel.

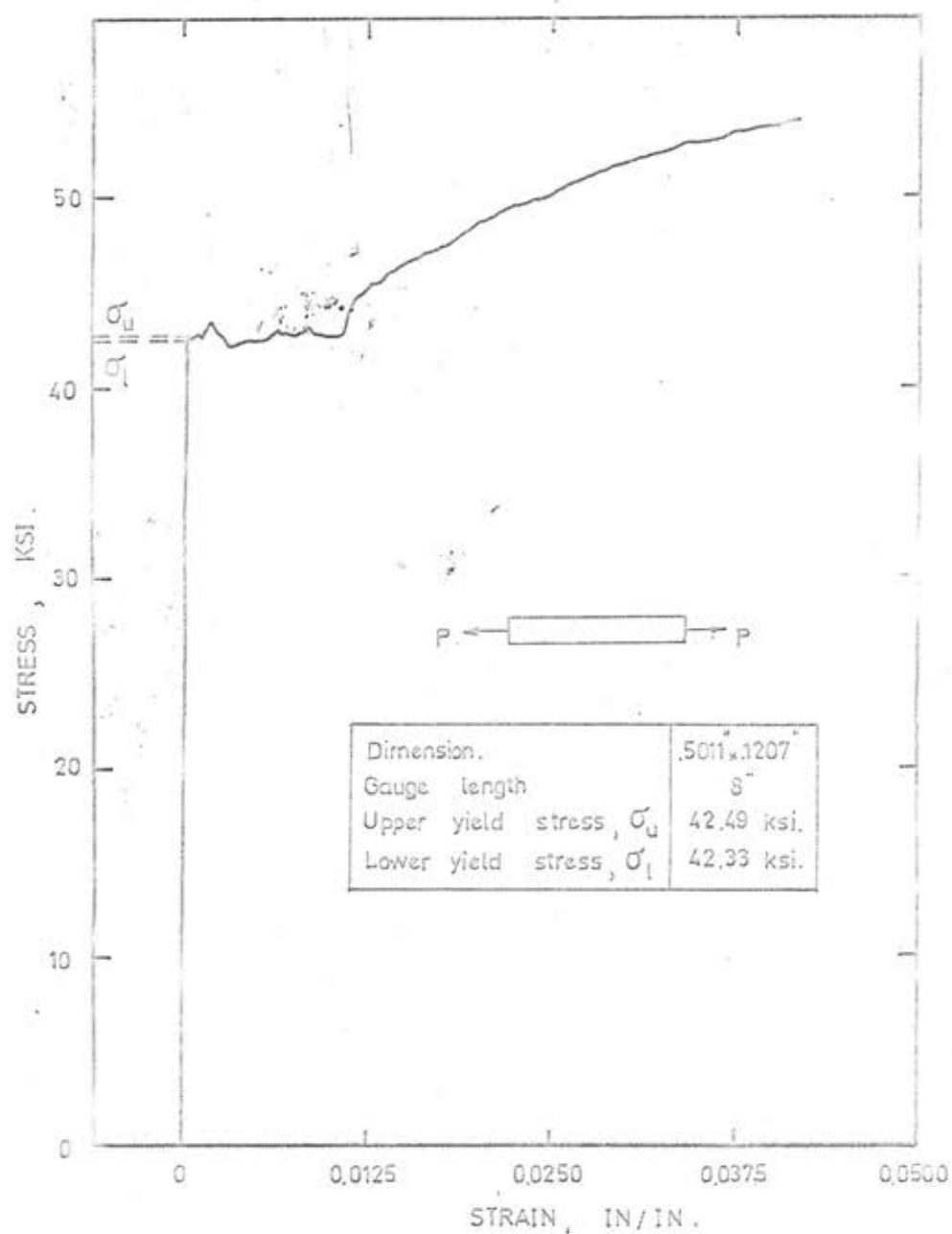


Fig.A3.— Stress - Strain Curve of Black Mild Steel.

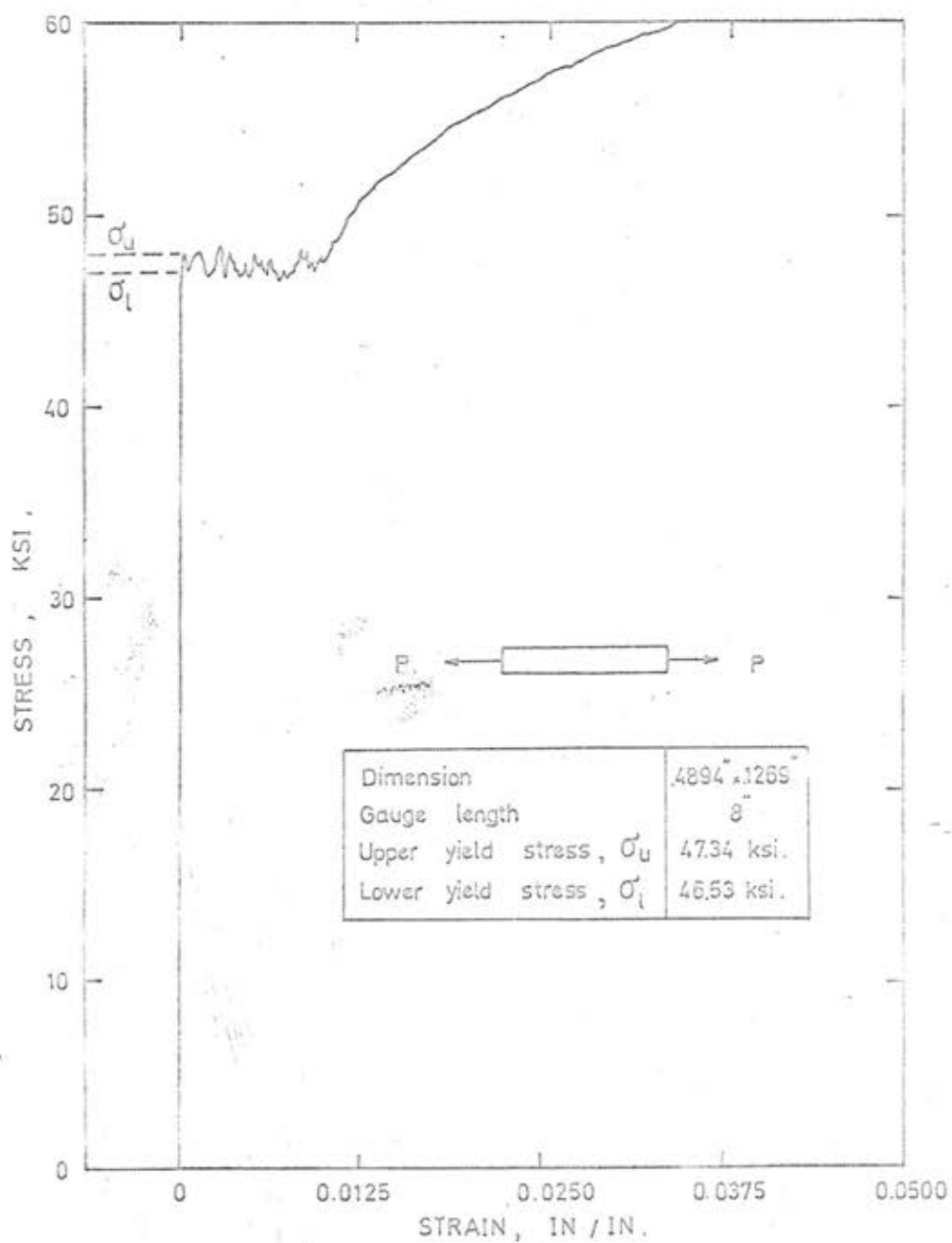


Fig. A4.—Stress-Strain Curve of Black Mild Steel.

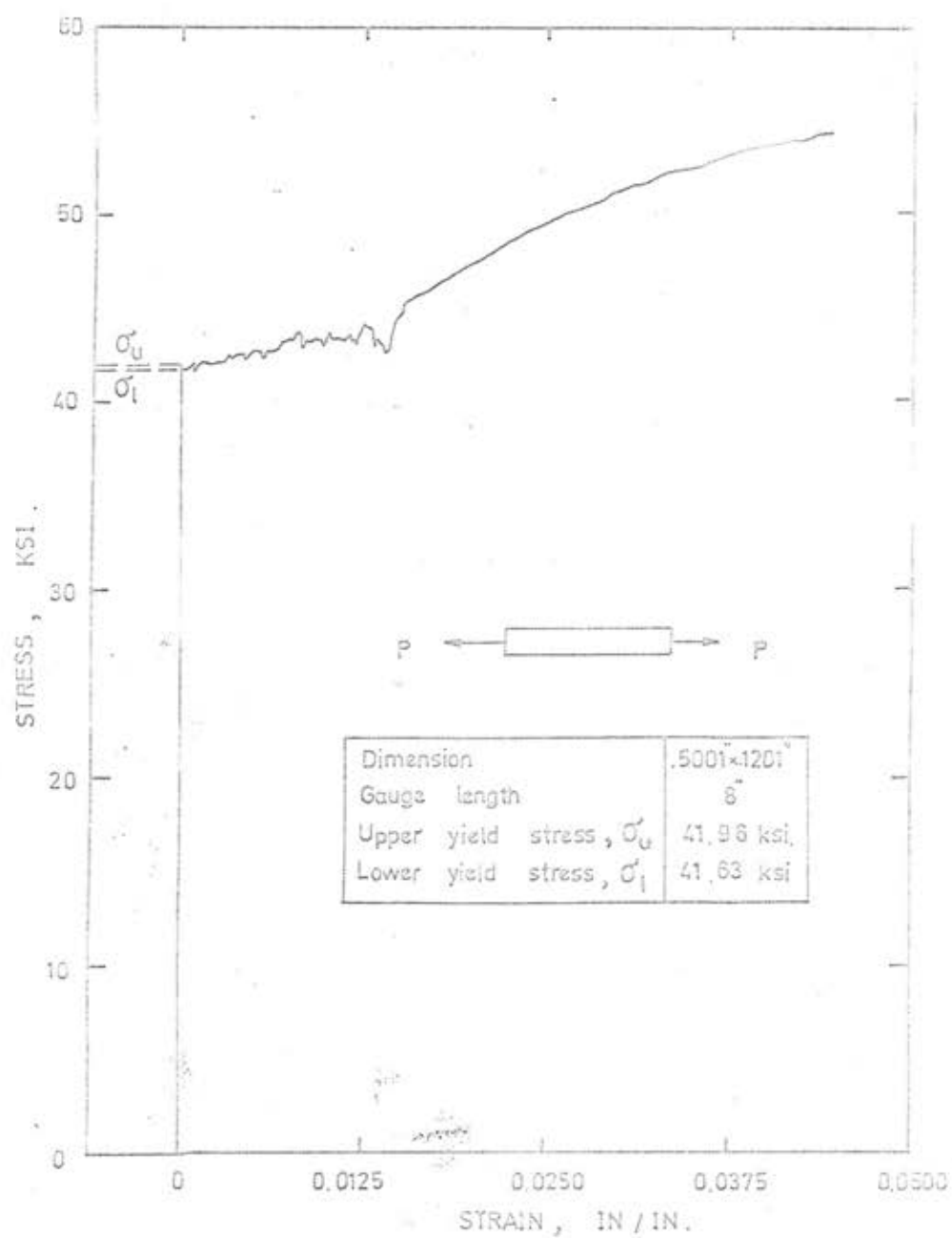


Fig. A5.— Stress — Strain Curve of Black Mild Steel.

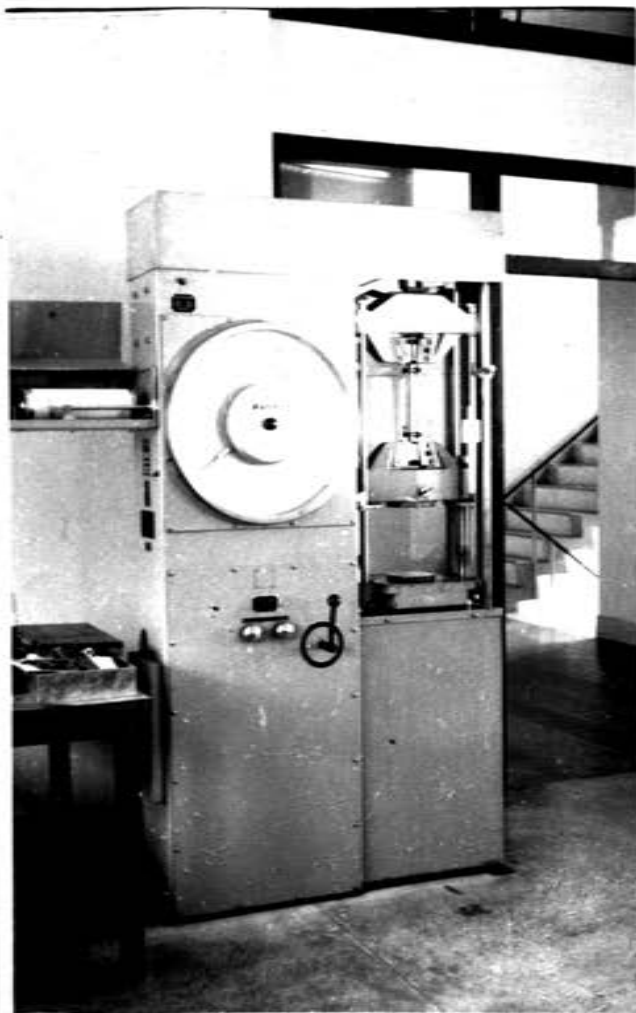


Fig. A6 - The Avery testing machine.



Fig. A7 - Method of testing specimen in tension.  
The extensometer shown has 8 inches  
gauge length (magnification 5:1).

## VITA

Mr Tee Wian was born in Nakorn Panom, Thailand on September 30, 1948. He received the degree of Bachelor of Engineering in May 1967. In July 1967, he won a Colombo scholarship to attend an advanced course in mechanical engineering which was held under the Colombo plan in the same university. After completing the course and receiving the Diploma of Advanced Mechanical Engineering in March 1969, he entered the Graduate School of Chulalongkorn University for the degree of Master of Engineering in December of the same year.