

The curves given in Fig 1 shew graphically the values of B and H for each of the rods examined, and the numbers themselves from which the curves were plotted are given in Table II.

TABLE II.

Alloy 1A		Alloy 2		Alloy 2A		Alloy 3	
H	B	H	B	H	B	H	B
15.35	23.02	16.04	28.22	16.04	29.13	17.44	424.15
32.06	43.31	32.79	47.95	32.79	49.18	34.19	776.02
55.82	58.77	55.12	89.16	55.82	90.53	59.91	1179.20
75.36	73.59	75.36	118.59	76.06	120.64	77.45	1434.57
106.06	101.93	106.76	153.72	108.15	162.89	110.25	1733.56
130.48	116.03	131.88	175.86	131.88	195.16	136.07	1894.80
147.93	126.09	148.63	195.59	148.63	215.11	153.51	1993.15
163.28	131.41	163.28	203.54	166.07	217.87	168.86	2060.81
175.84	133.35	175.84	207.15	178.63	220.82	182.82	2110.22
187.01	138.02	188.40	210.77	193.29	212.24	193.98	2149.75

Alloy 3A		Alloy 3B		Alloy 4		Alloy 4A	
H	B	H	B	H	B	H	B
17.44	555.41	17.44	367.30	17.44	759.41	16.74	696.99
34.89	1021.38	34.19	664.41	32.49	1134.23	33.49	1101.79
58.61	1522.69	57.21	1045.36	56.52	1378.59	55.82	1472.04
78.85	1835.39	78.15	1308.23	77.45	1475.26	76.75	1662.45
111.64	2196.44	110.90	1633.01	117.23	1571.43	109.55	1853.23
136.07	2383.61	136.07	1811.83	134.67	1632.35	133.27	1947.48
153.51	2491.76	153.51	1930.08	153.51	1673.92	152.12	2005.48
168.86	2558.30	170.26	1999.48	167.47	1699.09	167.47	2043.43
181.42	2605.64	183.52	2052.35	180.73	1708.70	180.03	2072.34
193.29	2648.57	193.98	2087.73	190.49	1724.64	188.40	2093.58