

Motala verkstad - samling av trycksaker - 10

Motala verkstad

Vardagstryck

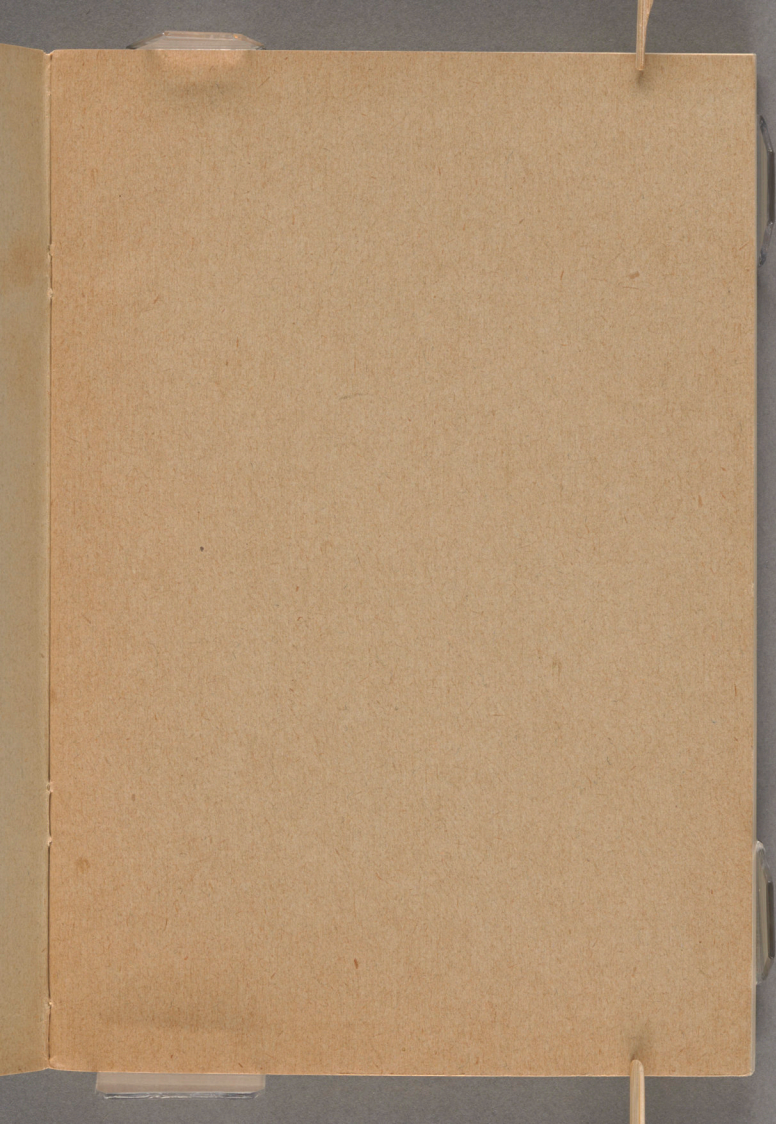


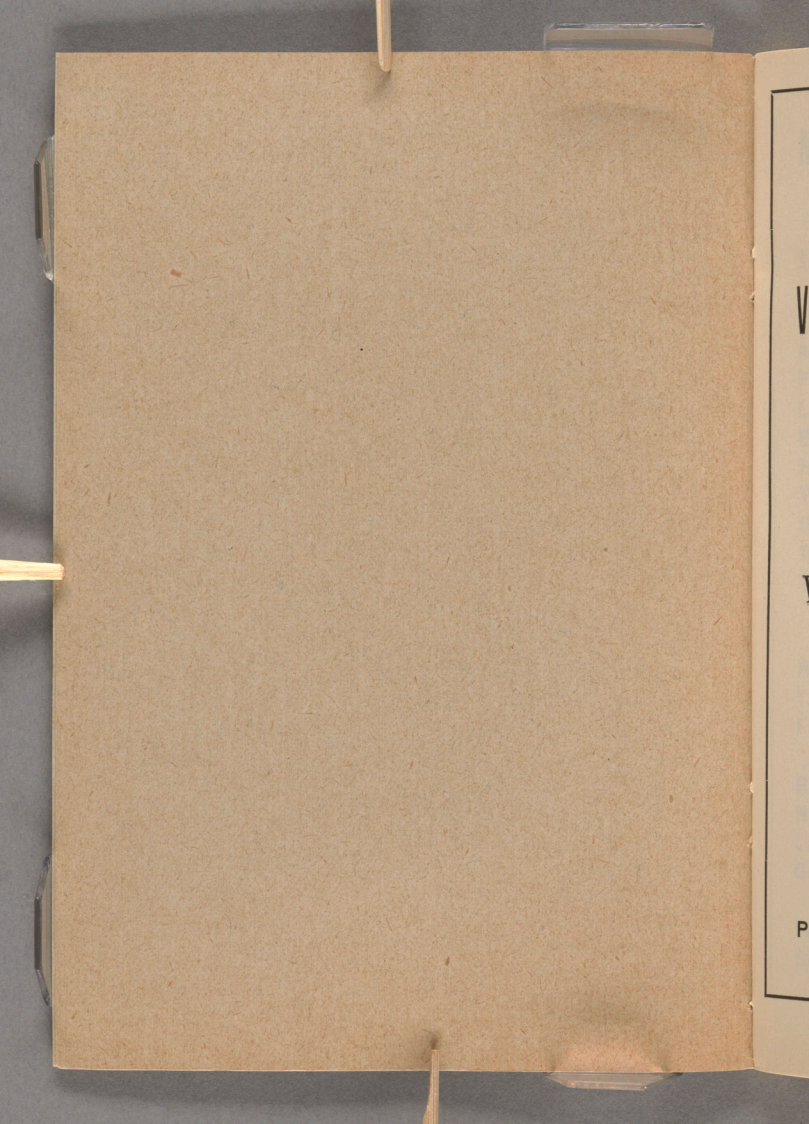
National Library
of Sweden

MOTALA
VERKSTADS NYA AKTIEBOLAG.

KATALOG
ÖFVER
VALSVERKSPRODUKTER
1896
(UTAN FÖRBINDELSE)







MOTALA
VERKSTADS NYA AKTIEBOLAG.

SEKTIONER OCH TABELLER

ÖFVER

VÄLSVERKSPRODUKTER

1896.

(Utan förbindelse.)

Telegrafadress: Verkstaden Motala.

Postadress: Motala Verkstads Nya Aktiebolag
Motala Verkstad.



MOTALA
VERKSTADS NYA AKTIEBOLAG

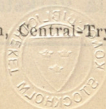
SEKTIONER OCH TABELLER

VÄRDEBERÄKNINGAR

1896

Utgått från Motala Verkskaps Aktieförbund
Motala Verkskaps Aktieförbund
Motala Verkskaps Aktieförbund

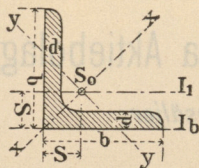
Stockholm, Central-Tryckeriet, 1896



Motala Verkstads Nya Aktiebolag

tillverkar och försäljer:

Ångfartyg och Mudderverk.
Landt- och Sjöångmaskiner.
Lokomotiv.
Ångpannor.
Flänsade Ångpanne- och Cisterngaflar.
Lavetter och Separatorskolor m. m.
Broar och Tak m. fl. jernkonstruktioner.
Hydrauliska Maskiner och Pumpar.
Turbiner.
Gjutgoods alla slag.
Bult, Mutter och Nitar.
Valsverksprodukter af Bessemer, Martin och
dubbelgarfvadt Puddeljern, såsom Plåt för
Ångpannor, Fartyg och Broar m. m.
Refflad plåt.
Tunnplåt till 1 mm. tjocklek.
Façonjern, såsom Balkar, Vinkel, Spant och
Bulbjern m. m.
Rundt, Fyrkant och Plattjern, smidt och valsadt.
Nageljern.
Liejern och Koniskt Stål m. m.
Gröfre och klenare smiden, såsom Akterstäfvar,
Roder, Axlar och Maskinsmiden af alla slag.
Verktogsstål, smidt och valsadt.
Blankvalsadt Rundstål.



Tab. N:o 1.

Profiler för likflänsigt

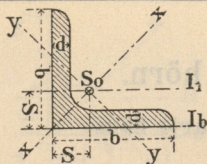
Mellanprofiler för en viss tjocklek mellan

L Profil N:o	Nor- mal profil N:o	Dimensioner i millimeter		Area F cm ²	Vigt pr meter G kg.	Dimensioner i engelska tum	
		b.	d.			b.	d.
1		19	2	0.72	0.57	3/4"	3/32"
»		»	3	1.05	0.82	»	1/8"
2	2 1/2	25	3	1.41	1.11	1"	1/8"
»	»	»	4	1.84	1.44	»	5/32"
3		31	3	1.77	1.39	1 7/32"	1/8"
»		»	5	2.85	2.24	»	3/16"
4		38	3	2.19	1.72	1 1/2"	1/8"
»		»	5	3.55	2.79	»	3/16"
5	4 1/2	45	3	2.61	2.05	1 25/32"	1/8"
»	»	»	6	5.04	3.96	»	1/4"
»	»	»	9	7.29	5.72	»	11/32"
6		51	4	3.92	3.08	2"	5/32"
»		»	6	5.76	4.52	»	1/4"
»		»	8	7.52	5.90	»	5/16"
»		»	10	9.20	7.22	»	3/8"
»		»	12	10.80	8.48	»	15/32"
7		57	6	6.48	5.09	2 1/4"	1/4"
»		»	8	8.48	6.66	»	5/16"
»		»	10	10.40	8.16	»	3/8"
»		»	12	12.24	9.61	»	15/32"
8		64	6	7.32	5.75	2 17/32"	1/4"
»		»	8	9.60	7.54	»	5/16"
»		»	10	11.80	9.26	»	3/8"

Vinkeljern med skarpt hörn.

flänsbredd kunna valsas till hvarje fläns-
de angifna gränserna.

Vigt pr eng. fot	Längder, som valsas i meter		Tyngd- punktens afstånd S cm.	Tröghetsmoment			
	Medel- längd	Största längd		I ₁ cm ⁴	I _b cm ⁴	I _x = max. cm ⁴	I _y = min. cm ⁴
G lbs							
0.38	5 à 6	7 à 8	0.55	0.245	0.462	0.890	0.100
0.55	»	»	0.58	0.342	0.700	0.540	0.144
0.74	»	»	0.74	0.820	1.58	1.30	0.338
0.97	»	»	0.77	1.04	2.13	1.63	0.436
0.98	»	»	0.89	1.62	3.00	2.57	0.658
1.50	»	»	0.96	2.46	5.07	3.89	1.04
1.15	»	»	1.06	3.05	5.52	4.87	1.24
1.87	»	»	1.13	4.72	9.28	7.49	1.96
1.37	»	»	1.24	5.16	9.15	8.24	2.08
2.66	7 à 8	9 à 10	1.34	9.39	18.5	14.9	3.89
3.84	»	»	1.45	12.9	28.2	20.2	5.60
2.07	»	»	1.42	9.85	17.8	15.7	3.99
3.03	»	»	1.50	14.0	26.9	22.2	5.74
3.96	»	»	1.57	17.7	36.1	27.9	7.42
4.84	»	»	1.64	20.9	45.6	32.8	9.07
5.69	»	»	1.71	23.9	55.3	37.1	10.7
3.41	»	»	1.65	19.9	37.4	31.6	8.12
4.47	»	»	1.72	25.2	50.3	37.3	10.01
5.47	»	»	1.79	30.05	63.4	46.8	12.1
6.44	»	»	1.86	34.4	76.7	53.00	13.81
3.86	9 à 10	11 à 12	1.82	28.6	52.8	45.5	11.6
5.06	»	»	1.89	36.4	70.9	57.9	15.0
6.21	»	»	1.96	43.6	89.4	68.9	18.3



Tab. N:o 2.

Profiler för likflänsigt

Mellanprofiler för en viss tjocklek mellan

✓ Profil N:o	Normal profil N:o	Dimensioner i millimeter		Area F cm²	Vigt pr meter G kg.	Dimensioner i engelska tum	
		b.	d.			b.	d.
8		64	12	13.92	10.93	2 ¹⁷ / ₃₂ "	15 ¹ / ₃₂ "
9		76	6	8.76	6.88	3"	1 ¹ / ₄ "
»	»	»	8	11.52	9.04	»	5 ⁵ / ₁₆ "
»	»	»	10	14.20	11.15	»	3 ³ / ₈ "
»	»	»	12	16.80	13.19	»	15 ¹ / ₈ "
»	»	»	14	19.32	15.17	»	9 ¹ / ₃₂ "
»	»	»	16	21.76	17.08	»	5 ¹ / ₁₆ "
10	9	90	6	10.44	8.20	3 ⁹ / ₁₆ "	1 ¹ / ₄ "
»	»	»	8	13.76	10.80	»	5 ⁵ / ₁₆ "
»	»	»	10	17.00	13.35	»	3 ³ / ₈ "
»	»	»	12	20.16	15.83	»	15 ¹ / ₈ "
»	»	»	15	24.75	19.43	»	19 ¹ / ₃₂ "
»	»	»	20	32.00	25.12	»	25 ¹ / ₃₂ "
»	»	»	24	37.44	29.69	»	15 ¹ / ₁₆ "
11	10	100	10	19.00	14.92	3 ¹⁵ / ₁₆ "	3 ³ / ₈ "
»	»	»	12	22.56	17.71	»	15 ¹ / ₈ "
»	»	»	15	27.75	21.78	»	19 ¹ / ₃₂ "
»	»	»	20	36.00	28.26	»	25 ¹ / ₃₂ "
»	»	»	24	42.24	33.16	»	15 ¹ / ₃₂ "
12		115	8	17.76	14.14	4 ¹⁷ / ₃₂ "	5 ⁵ / ₁₆ "
»	»	»	10	22.00	17.27	»	3 ³ / ₈ "
»	»	»	12	26.16	20.54	»	15 ¹ / ₈ "
»	»	»	14	30.24	23.74	»	9 ¹ / ₃₂ "
»	»	»	16	34.24	26.88	»	5 ¹ / ₈ "

Vinkeljern med skarpt hörn.

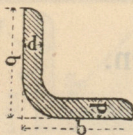
flänsbredd kunna valsas till hvarje fläns-
de angifna gränserna.

Vigt pr eng. fot	Längder som valsas i meter		Tyngd- punktens afstånd S cm.	Tröghetsmoment			
	Medel- längd	Största längd		I_1 cm ⁴	I_b cm ⁴	$I_x =$ max. cm ⁴	$I_y =$ min. cm ⁴
G lbs							
7.33	9 à 10	11 à 12	2.03	50.2	108	78.9	21.6
4.61	»	»	2.12	48.9	88.3	77.9	19.8
6.07	»	»	2.19	62.7	118	99.8	25.7
7.48	»	»	2.27	75.6	148	120	31.3
8.84	»	»	2.34	87.5	179	138	36.8
10.17	»	»	2.41	98.6	210	155	42.3
11.45	»	»	2.48	109	242	170	47.7
5.50	»	»	2.47	82.6	146	132	33.3
7.24	»	»	2.55	106	196	169	43.1
8.96	»	»	2.62	129	246	205	52.9
10.62	»	»	2.69	150	296	238	62.1
13.03	7 à 8	9 à 10	2.80	180	373	283	76.0
16.84	»	»	2.97	223	504	346	98.9
19.91	»	»	3.10	253	614	389	117
10.00	»	»	2.87	180	336	287	73.4
11.88	»	»	2.94	210	405	332	86.2
14.60	»	»	3.05	252	510	398	105
18.95	»	»	3.22	315	690	492	137
22.24	»	»	3.36	358	835	555	161
9.48	»	»	3.17	229	407	365	92.4
11.58	»	»	3.24	279	510	444	113
13.77	»	»	3.32	327	614	520	133
15.92	»	»	3.39	372	719	591	153
18.02	»	»	3.46	415	825	657	172

Tab. N:o 3.

Profiler för likflänsigt

Mellanprofiler för en viss
tjocklek mellan

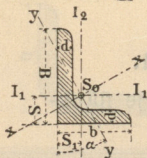


 Profil N:o	Normal profil N:o	Dimensioner i millimeter		Area F cm ²	Vigt pr meter G kg.
		b.	d.		
13		19	2	0.68	0.53
»		»	3	1.01	0.79
14		25	3	1.37	1.08
»		»	5	2.21	1.73
15		31	4	2.22	1.74
»		»	6	3.26	2.56
16		37	6	3.98	3.12
»		»	8	5.18	4.07
17		43	6	4.70	3.69
»		»	8	6.06	4.76
»		»	9	6.75	5.30
18		50	8	7.18	5.64
»		»	9	8.01	6.29
»		»	11	9.39	7.37
19		62	9	9.95	7.81
»		»	11	12.03	9.44
»		»	12	13.04	10.24
20		74	10	13.10	10.28
»		»	12	15.62	12.26
»		»	14	18.06	14.18

Vinkeljern med rundt hörn.

flänstjocklek kunna valsas till hvarje fläns-
de angifna gränserna.

Dimensioner i engelska tum		Vigt pr eng. fot G. lbs	Längder, som valsas i meter	
b.	d.		Medellängd	Största längd
0.53 $\frac{3}{4}''$	$\frac{3}{32}''$	0.36	5 à 6	7 à 8
0.73 »	$\frac{1}{8}''$	0.53	»	»
1.08 $1''$	$\frac{1}{8}''$	0.72	»	»
1.73 »	$\frac{3}{16}''$	1.16	»	»
1.74 $1\frac{7}{32}''$	$\frac{5}{32}''$	1.17	»	»
2.36 »	$\frac{1}{4}''$	1.72	»	»
3.12 $1\frac{15}{32}''$	$\frac{1}{4}''$	2.09	»	»
4.07 »	$\frac{5}{16}''$	2.73	»	»
3.69 $1\frac{11}{16}''$	$\frac{1}{4}''$	2.47	»	»
4.76 »	$\frac{5}{16}''$	3.18	7 à 8	9 à 10
5.30 »	$\frac{11}{32}''$	3.55	»	»
5.64 $1\frac{31}{32}''$	$\frac{5}{16}''$	3.78	»	»
6.29 »	$\frac{11}{32}''$	4.21	»	»
7.37 »	$\frac{7}{16}''$	4.94	»	»
7.81 $2\frac{7}{16}''$	$\frac{11}{32}''$	5.23	9 à 10	11 à 12
9.44 »	$\frac{7}{16}''$	6.33	»	»
10.24 »	$\frac{15}{32}''$	6.86	»	»
10.28 $2\frac{29}{32}''$	$\frac{3}{8}''$	6.89	»	»
12.26 »	$\frac{15}{32}''$	8.21	»	»
14.18 »	$\frac{9}{16}''$	9.50	»	»



Tab. N:o 4.

Profiler för olikflänsigt

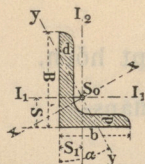
Mellanprofiler för en viss
tjocklek mellan

L Profil N:o	Nor- mal pro- fil N:o	Dimensioner i millimeter			Area F cm ²	Vigt pr meter G kg.	Dimensioner i engelska tum		
		b.	B.	d.			b.	B.	d.
21		22	32	2	1.04	0.82	$\frac{7}{8}$ "	$1\frac{1}{4}$ "	$\frac{3}{32}$ "
»		»	»	3	1.53	1.20	»	»	$\frac{1}{8}$ "
22		32	38	4	2.64	2.07	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	$\frac{5}{32}$ "
»		»	»	6	3.84	3.01	»	»	$\frac{1}{4}$ "
»		»	»	8	4.96	3.89	»	»	$\frac{5}{16}$ "
23		38	51	5	4.20	3.30	$1\frac{1}{2}$ "	2"	$\frac{3}{16}$ "
»		»	»	8	6.48	5.09	»	»	$\frac{5}{16}$ "
24	$\frac{4\frac{1}{2}}{6\frac{1}{2}}$	45	65	4	4.24	3.33	$1\frac{25}{32}$ "	$2\frac{9}{16}$ "	$\frac{5}{32}$ "
»		»	»	6	6.24	4.90	»	»	$\frac{1}{4}$ "
»		»	»	9	9.09	7.14	»	»	$\frac{11}{32}$ "
»		»	»	12	11.76	9.23	»	»	$\frac{15}{32}$ "
25		60	72	8	9.92	7.79	$2\frac{3}{8}$ "	$2\frac{27}{32}$ "	$\frac{5}{16}$ "
26		57	77	6	7.68	6.03	$2\frac{1}{4}$ "	$3\frac{1}{32}$ "	$\frac{1}{4}$ "
»		»	»	8	10.08	7.91	»	»	$\frac{5}{16}$ "
»		»	»	10	12.40	9.73	»	»	$\frac{3}{8}$ "
»		»	»	12	14.64	11.49	»	»	$\frac{15}{32}$ "
»		»	»	14	16.80	13.19	»	»	$\frac{9}{16}$ "
27		64	77	6	8.10	6.36	$2\frac{17}{32}$ "	$3\frac{1}{32}$ "	$\frac{1}{4}$ "
»		»	»	8	10.64	8.35	»	»	$\frac{5}{16}$ "
»		»	»	11	14.30	11.23	»	»	$\frac{7}{16}$ "
»		»	»	13	16.64	13.06	»	»	$\frac{1}{2}$ "
28		50	87	8	10.32	8.10	$1\frac{31}{32}$ "	$3\frac{7}{16}$ "	$\frac{5}{16}$ "
»		»	»	10	12.70	9.97	»	»	$\frac{3}{8}$ "

Vinkeljern (Spantjern) med skarpt hörn.

flänsbredd kunna valsas till hvarje fläns-
de angifna gränserna.

Vigt pr eng. fot G lbs	Längder, som valsas i meter		Tyngd- punkts afstånd cm.		Tröghetsmoment				Hufvudaxelns y y läge t g a
	Medel- längd	Största längd	S	S ₁	I ₁ cm ⁴	I ₂ cm ⁴	I _x = max. cm ⁴	I _y = min. cm ⁴	
0.55	5 à 6	7 à 8	1.02	0.52	1.10	0.433	1.29	0.241	0.472
0.80	»	»	1.06	0.56	1.58	0.611	1.84	0.374	0.464
1.39	»	»	1.18	0.88	3.71	2.40	4.93	1.18	0.695
2.02	»	»	1.25	0.95	5.16	3.32	6.78	1.70	0.684
2.61	»	»	1.32	1.02	6.41	4.10	8.30	2.20	0.671
2.21	7 à 8	9 à 10	1.65	1.00	10.9	5.17	13.2	2.79	0.543
3.41	»	»	1.75	1.10	16.0	7.47	19.2	4.22	0.526
2.23	»	»	2.07	1.07	18.5	7.42	21.8	4.12	0.479
3.29	»	»	2.14	1.14	26.5	10.5	31.1	5.92	0.471
4.79	»	»	2.25	1.25	37.2	14.4	43.2	8.44	0.457
6.19	»	»	2.36	1.36	46.4	17.8	53.3	10.9	0.442
5.22	9 à 10	11 à 12	2.26	1.66	49.8	31.4	65.6	15.7	0.679
4.04	»	»	2.44	1.44	46.1	21.7	56.2	11.7	0.540
5.30	»	»	2.51	1.51	59.2	27.5	71.7	15.0	0.534
6.52	»	»	2.58	1.58	71.2	33.0	85.9	18.3	0.527
7.70	»	»	2.65	1.65	82.3	38.0	98.7	21.6	0.518
8.84	»	»	2.72	1.72	92.6	42.5	110	24.7	0.511
4.26	»	»	2.33	1.67	48.0	30.2	63.4	14.9	0.681
5.62	»	»	2.40	1.75	61.5	38.6	80.9	19.2	0.677
7.53	»	»	2.51	1.86	80.0	50.0	104	25.6	0.669
8.76	»	»	2.58	1.93	91.2	56.6	118	29.6	0.662
5.43	»	»	3.06	1.21	80.7	19.6	88.1	12.1	0.330
6.68	»	»	3.14	1.29	95.8	23.2	104	14.6	0.325



Tab. N:o 5.

Profiler för olikflänsigt

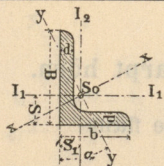
Mellanprofiler för en viss tjocklek mellan

L Profil N:o	Nor- mal profil N:o	Dimensioner i millimeter			Area F cm ²	Vigt pr meter G kg.	Dimensioner i engelska tum		
		b	B.	d.			b.	B.	d.
28		50	87	12	15.00	11.78	1 ³¹ / ₃₂ ''	3 ⁷ / ₁₆ ''	15 ¹ / ₃₂ ''
29		65	90	6	8.94	7.02	2 ⁹ / ₁₆ ''	3 ⁹ / ₁₆ ''	1 ¹ / ₄ ''
»		»	»	9	13.14	10.31	»	»	11 ¹ / ₃₂ ''
»		»	»	12	17.16	13.47	»	»	15 ¹ / ₃₂ ''
»		»	»	14	19.74	15.50	»	»	9 ¹ / ₃₂ ''
30		77	89	6	9.60	7.54	3 ¹ / ₃₂ ''	3 ¹ / ₂ ''	1 ¹ / ₄ ''
»		»	»	8	12.64	9.92	»	»	5 ¹ / ₁₆ ''
»		»	»	10	15.60	12.25	»	»	3 ¹ / ₈ ''
»		»	»	12	18.48	14.51	»	»	15 ¹ / ₃₂ ''
31		85	100	9	15.84	12.43	3 ¹¹ / ₃₂ ''	3 ¹⁵ / ₁₆ ''	11 ¹ / ₃₂ ''
»		»	»	12	20.76	16.30	»	»	15 ¹ / ₃₂ ''
»		»	»	14	23.94	18.79	»	»	9 ¹ / ₃₂ ''
»		»	»	16	27.04	21.23	»	»	5 ¹ / ₈ ''
32	9 10	90	100	9	16.29	12.79	3 ⁹ / ₁₆ ''	3 ¹⁵ / ₁₆ ''	11 ¹ / ₃₂ ''
»	»	»	»	11	19.69	15.46	»	»	7 ¹ / ₁₆ ''
»	»	»	»	13	23.01	18.06	»	»	1 ¹ / ₂ ''
»	»	»	»	15	26.25	20.61	»	»	19 ¹ / ₃₂ ''
33		77	102	8	13.68	10.74	3 ¹ / ₃₂ ''	4''	5 ¹ / ₁₆ ''
»		»	»	10	16.90	13.27	»	»	3 ¹ / ₈ ''
»		»	»	12	20.04	15.75	»	»	15 ¹ / ₃₂ ''
»		»	»	14	23.10	18.13	»	»	9 ¹ / ₃₂ ''
»		»	»	17	27.54	21.62	»	»	21 ¹ / ₁₆ ''
34		77	115	8	14.72	11.56	3 ¹ / ₃₂ ''	4 ¹ / ₂ ''	5 ¹ / ₁₆ ''

Vinkeljern (Spantjern) med skarpt hörn.

flänsbredd kunna valsas till hvarje fläns-
de angifna gränserna.

Vigt pr eng. fot G lbs	Längder, som valsas i meter		Tyngd- punkts afstånd cm.		Tröghetsmoment				Hufvudaxelns y y läge t _g a
	Medel- längd	Största längd	S	S ₁	I ₁ cm ⁴	I ₂ cm ⁴	I _x = max. cm ⁴	I _y = min. cm ⁴	
7.89	9 à 10	11 à 12	3.21	1.36	111.0	26.6	120	17.1	0.317
4.71	»	»	2.84	1.59	74.3	33.0	89.4	17.9	0.518
6.91	»	»	2.95	1.70	106	46.5	127	25.7	0.509
9.03	»	»	3.05	1.80	135	58.2	160	33.1	0.500
10.39	»	»	3.13	1.88	152	65.6	180	37.9	0.493
5.05	»	»	2.61	2.01	76.2	53.2	104	25.1	0.741
6.65	»	»	2.68	2.08	98.3	68.4	134	32.6	0.738
8.21	»	»	2.75	2.15	119	82.5	162	39.9	0.735
9.73	»	»	2.83	2.23	138	95.6	187	46.8	0.730
8.33	7 à 8	9 à 10	3.04	2.29	156	104	209	50.2	0.711
10.92	»	»	3.14	2.39	199	132	266	65.0	0.706
12.59	»	»	3.21	2.46	226	149	300	74.5	0.702
14.22	»	»	3.29	2.54	251	165	332	83.8	0.698
8.58	»	»	2.96	2.46	159	122	225	55.9	0.801
10.37	»	»	3.04	2.54	189	145	269	64.8	0.798
11.11	»	»	3.11	2.61	217	166	303	79.4	0.793
13.82	»	»	3.18	2.68	243	185	339	89.0	0.789
7.20	»	»	3.20	1.96	144	71.1	177	37.7	0.562
8.90	»	»	3.27	2.03	174	86.0	214	46.0	0.557
10.56	»	»	3.35	2.10	204	100	249	54.0	0.552
12.16	»	»	3.42	2.17	231	113	282	61.8	0.547
14.50	»	»	3.53	2.28	269	130	325	73.4	0.538
7.75	»	»	3.75	1.84	200	73.5	232	41.7	0.448



Tab. N:o 6.

Profiler för olikflänsigt

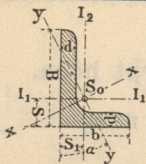
Mellanprofiler för en viss
tjocklek mellan

L Profil N:o	Nor- mal pro- fil N:o	Dimensioner i millimeter			Area F cm ²	Vigt pr meter G kg.	Dimensioner i engelska tum		
		b.	B.	d.			b.	B.	d.
34		77	115	10	18.20	14.29	3 1/32"	4 1/2"	3/8"
»		»	»	12	21.60	16.96	»	»	15/32"
35		90	115	8	15.76	12.37	3 9/16"	4 1/2"	5/16"
»		»	»	10	19.50	15.31	»	»	3/8"
»		»	»	13	24.96	19.59	»	»	1/2"
»		»	»	15	28.50	22.37	»	»	19/32"
36		100	115	8	16.56	12.20	3 15/16"	4 1/2"	5/16"
»		»	»	10	20.50	16.09	»	»	3/8"
»		»	»	13	26.26	20.61	»	»	1/2"
»		»	»	15	30.00	23.55	»	»	19/32"
37		77	127	8	15.68	12.31	3 1/32"	5"	5/16"
»		»	»	10	19.40	15.23	»	»	3/8"
»		»	»	13	24.83	19.49	»	»	1/2"
»		»	»	15	28.35	22.25	»	»	19/32"
38		89	127	8	16.64	13.06	3 1/2"	5"	5/16"
»		»	»	10	20.60	16.17	»	»	3/8"
»		»	»	12	24.48	19.22	»	»	15/32"
»		»	»	14	28.28	22.20	»	»	9/16"
»		»	»	16	32.00	25.12	»	»	5/8"
»		»	»	22	42.68	33.50	»	»	7/8"
»		»	»	25	47.75	37.48	»	»	1"
39	10 13	100	130	10	22.00	17.27	3 15/16"	5 1/8"	3/8"
»		»	»	13	28.21	22.14	»	»	1/2"

Vinkeljern (Spantjern) med skarpt hörn.

flänsbredd kunna valsas till hvarje fläns-
de angifna gränserna.

Vigt pr eng. fot G lbs	Längder, som valsas i meter		Tyngd- punkts afstånd cm.		Tröghetsmoment				Hufvudaxelns y y läge i g a
	Medel- längd	Största längd	S	S ₁	I ₁ cm ⁴	I ₂ cm ⁴	I _x = max. cm ⁴	I _y = min. cm ₄	
9.58	7 à 8	9 à 10	3.82	1.91	244	88.8	282	50.8	0.443
11.37	»	»	3.89	1.99	285	103	328	59.7	0.438
8.29	»	»	3.52	2.27	211	115	268	58.3	0.605
10.27	»	»	3.60	2.35	257	139	324	72.2	0.600
13.14	»	»	3.70	2.45	322	173	403	92.0	0.594
15.00	»	»	3.78	2.53	362	194	453	103	0.589
8.18	»	»	3.37	2.62	219	155	302	71.4	0.754
10.79	»	»	3.45	2.70	267	199	358	108	0.750
13.82	»	»	3.55	2.80	334	239	455	118	0.744
15.79	»	»	3.63	2.88	376	263	511	128	0.739
8.25	»	»	4.26	1.76	263	75.5	298	40.0	0.397
10.21	»	»	4.33	1.83	321	91.1	363	49.1	0.393
13.07	»	»	4.44	1.94	403	113	455	62.0	0.387
14.92	»	»	4.51	2.13	454	126	510	70.0	0.384
8.76	»	»	4.03	2.13	277	114	328	63	0.490
10.84	»	»	4.10	2.20	337	139	399	77	0.486
12.89	»	»	4.18	2.28	396	161	467	90.5	0.482
14.89	»	»	4.25	2.35	452	182	531	103	0.478
16.84	5 à 6	7 à 8	4.32	2.42	504	203	591	116	0.473
22.46	»	»	4.54	2.64	648	257	751	154	0.458
25.13	»	»	4.64	2.74	712	282	820	173	0.449
11.58	7 à 8	9 à 10	4.05	2.55	375	195	468	102	0.583
14.85	»	»	4.15	2.65	471	240	586	128	0.578



Tab. N:o 7.

Profiler för olikflänsigt

Mellanprofiler för en viss
tjocklek mellan

L Profil N:o	Nor- mal pro- fil N:o	Dimensioner i millimeter			Area F cm ²	Vigt pr meter G kg.	Dimensioner i engelska tum		
		b.	B.	d.			b.	B.	d.
39	10/13	100	130	15	32.25	25.32	3 ¹⁵ / ₁₆ "	5 ¹ / ₈ "	19 ⁹ / ₃₂ "
40		77	140	8	16.72	13.13	3 ¹ / ₃₂ "	5 ¹ / ₂ "	5 ⁵ / ₁₆ "
»		»	»	10	20.70	16.25	»	»	3 ³ / ₈ "
»		»	»	12	24.60	19.31	»	»	15 ¹⁵ / ₃₂ "
41		89	140	8	17.68	13.88	3 ¹ / ₂ "	5 ¹ / ₂ "	5 ⁵ / ₁₆ "
»		»	»	10	21.90	17.19	»	»	3 ³ / ₈ "
»		»	»	12	26.04	20.44	»	»	15 ¹⁵ / ₃₂ "
»		»	»	14	30.10	23.63	»	»	9 ⁹ / ₁₆ "
42	10/14	100	140	10	23.00	18.06	3 ¹⁵ / ₁₆ "	5 ¹ / ₂ "	3 ³ / ₈ "
»	»	»	»	13	29.51	23.17	»	»	1 ¹ / ₂ "
»	»	»	»	15	33.75	26.49	»	»	19 ¹⁹ / ₃₂ "
43	9/15	90	150	8	18.56	14.57	3 ⁹ / ₁₆ "	5 ²⁹ / ₃₂ "	5 ⁵ / ₁₆ "
»	»	»	»	10	23.00	18.06	»	»	3 ³ / ₈ "
»	»	»	»	13	29.51	23.17	»	»	1 ¹ / ₂ "
»	»	»	»	15	33.75	26.49	»	»	19 ¹⁹ / ₃₂ "
44	10/15	100	150	10	24.00	18.84	3 ¹⁵ / ₁₆ "	5 ²⁹ / ₃₂ "	3 ³ / ₈ "
»	»	»	»	13	30.81	24.19	»	»	1 ¹ / ₂ "
»	»	»	»	15	35.25	27.67	»	»	19 ¹⁹ / ₃₂ "
45		77	152	10	21.90	17.19	3 ¹ / ₃₂ "	6"	3 ³ / ₈ "
»		»	»	12	26.04	20.44	»	»	15 ¹⁵ / ₃₂ "

Vinkeljern (Spantjern) med skarpt hörn.

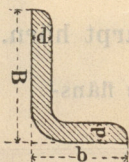
flänsbredd kunna valsas till hvarje fläns-
de angifna gränserna.

Vigt pr eng. fot G lbs	Längder, som valsas i meter		Tyngd- punkts afstånd cm.		Tröghetsmoment				Hufvudaxelns y y läge t _g a
					I ₁	I ₂	I _x =	I _y =	
	Medel- längd	Största längd	S	S ₁	cm ⁴	cm ⁴	max. cm ⁴	min. cm ⁴	
16.98	7 à 8	9 à 10	4.23	2.73	532	273	656	148	0.573
8.80	»	»	4.82	1.67	344	77.3	374	47.5	0.317
10.90	»	»	4.89	1.74	422	93.1	457	57.9	0.313
12.95	»	»	4.97	1.82	494	108	534	67.9	0.308
9.08	»	»	4.58	2.03	362	117	411	67.9	0.410
11.53	»	»	4.66	2.11	443	142	502	82.9	0.407
13.91	»	»	4.73	2.18	520	165	588	97.3	0.403
15.84	5 à 6	7 à 8	4.80	2.25	593	188	670	111	0.399
11.11	7 à 8	9 à 10	4.46	2.46	461	199	551	109	0.506
15.54	»	»	4.57	2.57	580	248	691	137	0.500
17.76	5 à 6	7 à 8	4.64	2.64	655	279	777	157	0.495
9.76	7 à 8	9 à 10	4.99	1.99	439	123	489	73.1	0.370
12.10	»	»	5.07	2.07	538	150	598	89.3	0.367
15.52	5 à 6	7 à 8	5.17	2.17	677	186	748	115	0.361
17.75	»	»	5.25	2.25	766	209	847	127	0.357
12.62	»	»	4.88	2.38	558	203	645	115	0.445
16.21	»	»	4.99	2.49	703	253	811	145	0.439
18.54	»	»	5.07	2.57	795	284	915	165	0.438
11.53	»	»	5.43	1.68	528	95.3	562	60.7	0.272
13.71	»	»	5.50	1.75	620	111	659	71.1	0.268

Tab. N:o 8.

Profiler för olikflänsigt

Mellanprofiler för en viss tjocklek mellan



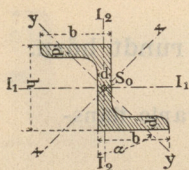
 Profil N:o	Nor- mal profil N:o	Dimensioner i millimeter			Area F cm ²	Vigt pr meter G kg.
		b.	B.	d.		
46		77	102	8	13.18	10.35
»		»	»	10	16.40	12.87
»		»	»	12	19.54	15.34
»		»	»	14	22.26	17.47
»		»	»	17	26.70	20.96
47		83	115	8	14.70	11.54
»		»	»	10	18.30	14.37
»		»	»	12	21.82	17.13
»		»	»	15	26.61	20.89
»		»	»	20	34.96	27.44
»		»	»	25	42.41	33.29

olikflänsig inkeljern (Spantjern) med rundt hörn.

r för en v änsbredd kunna valsas till hvarje fläns-
eklek mellan e angifna gränserna.

Vigt pr met	Dimensioner i engelska tum			Vigt pr eng. fot	Längder, som valsas i meter	
	b.	B.	d.		Medel- längd	Största längd
18	10.35	$3\frac{1}{32}''$	4''	$\frac{5}{16}''$	6.94	7 à 8
40	12.67	»	»	$\frac{3}{8}''$	8.63	»
54	15.34	»	»	$\frac{15}{32}''$	10.29	»
26	17.47	»	»	$\frac{9}{16}''$	11.71	»
70	20.30	»	»	$\frac{21}{32}''$	14.05	»
70	11.34	$3\frac{1}{4}''$	$4\frac{1}{2}''$	$\frac{5}{16}''$	7.74	»
30	14.37	»	»	$\frac{3}{8}''$	9.64	»
82	17.13	»	»	$\frac{15}{32}''$	11.49	»
61	20.89	»	»	$\frac{19}{32}''$	14.01	»
96	27.44	»	»	$\frac{25}{32}''$	18.40	5 à 6
41	33.29	»	»	1''	22.32	7 à 8

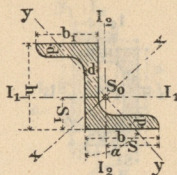
Tab. N:o 9.



Profiler för

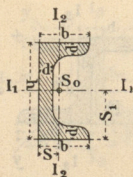
 Profil N:o	Normal profil N:o	Dimensioner i milli- meter				Area F cm ²	Vigt pr me- ter G kg.	Dimensioner i engelska tum			
		h	b	b ₁	d			h	b	b ₁	d
48	5	50	43	—	5	6.25	4.91	1 ³¹ / ₃₂ ''	1 ¹¹ / ₁₆ ''	—	³ / ₁₆ ''
49		62	56	—	6	9.67	7.59	2 ⁷ / ₁₆ ''	2 ³ / ₁₆ ''	—	¹ / ₄ ''
50		74	56	37	6	9.25	7.26	2 ²⁹ / ₃₂ ''	2 ³ / ₁₆ ''	1 ¹⁵ / ₃₂ ''	¹ / ₄ ''
51		99	62	—	9	18.50	14.52	3 ²⁹ / ₃₂ ''	2 ⁷ / ₁₆ ''	—	¹¹ / ₃₂ ''

ofiler **L-jern.**



Vigt pr eng. fot G lbs	Längder, som valsas i meter		Tyngd- punkts afstånd cm.		Tröghetsmoment				Hufvudaxelns y y läge t _g α
	Medel- längd	Största längd	S	S ₁	I ₁ cm ⁴	I ₂ cm ⁴	I _x cm ⁴	I _y cm ⁴	
3.29	7 à 8	9 à 10	—	—	24.5	22.2	41.8	4.94	0.939
5.09	»	»	—	—	59.1	59.7	106	12.4	1.006
4.86	»	»	4.77	3.28	75.2	34.8	98.2	11.8	0.603
9.73	»	»	—	—	267	115	344	37.4	0.581

Tab. N:o 10.

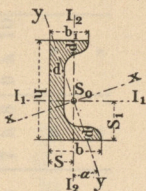


Profiler för

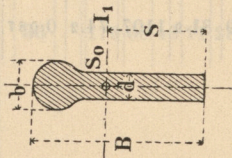
C Profil N:o	Normal profil N:o	Dimensioner i millimeter				Area F cm ²	Vigt pr meter G kg.	Dimensioner i engelska tum			
		h	b	b ₁	d			h	b	b ₁	d
52		60	35	—	6	7.08	5.56	2 ³ / ₈ ''	1 ³ / ₈ ''	—	1 ¹ / ₄ ''
53		99	62	—	9	14.59	11.45	3 ²⁹ / ₃₂ ''	2 ⁷ / ₁₆ ''	—	1 ¹¹ / ₃₂ ''
54		111	68	—	9	16.46	12.92	4 ³ / ₈ ''	2 ¹¹ / ₁₆ ''	—	1 ¹¹ / ₃₂ ''
55		124	62	43	9	18.99	14.90	4 ⁷ / ₈ ''	2 ⁷ / ₁₆ ''	1 ¹¹ / ₁₆ ''	1 ¹¹ / ₃₂ ''
56		173	68	43	11	28.82	22.62	6 ¹³ / ₁₆ ''	2 ¹¹ / ₁₆ ''	1 ¹¹ / ₁₆ ''	7 ¹ / ₁₆ ''

filer

□-jern.



Vigt pr eng. fot G lbs	Längder, som valsas i meter		Tyngd- punkts afstånd cm.		Tröghetsmoment				Hufudaxelns y läge tg α
	Medel- längd	Största längd	S	S ₁	I ₁ cm ⁴	I ₂ cm ⁴	I _x cm ⁴	I _y cm ⁴	
3.73	7 à 8	9 à 10	1.16	3.00	36.3	7.97	—	—	—
7.67	»	»	1.51	3.75	165	41.9	180	27.4	0.325
8.66	»	»	1.61	4.25	242	56.3	261	37.5	0.304
9.99	»	»	1.58	5.68	398	50.5	402	46.8	0.103
15.16	»	»	1.55	7.88	1099	81.9	1107	74.2	0.087



Tab. N:o 11.

Profiler för Bulbjern.

Normal profil N:o	Dimen- sioner i millimeter		Area F cm ²	Vigt pr meter G kg.	Dimensioner i engelska tum			Vigt pr eng. fot G lbs	Längder, som valsas i meter		Tyngd- punkts afstånd S cm.	Trög- hets- moment I ₁ cm ⁴
	B	b			B	b	d		Medel- längd	Största längd		
57	153	24	10	17.12	13.44	6"	1 ⁵ / ₁₆ "	3 ¹ / ₈ "	9	10	8.37	373
58	178	34	10	22.33	17.53	7"	1 ⁵ / ₁₆ "	3 ¹ / ₈ "	»	»	10.5	685
59	203	30	11	26.10	20.49	8"	1 ⁵ / ₃₂ "	7 ¹ / ₁₆ "	»	»	11.4	1010

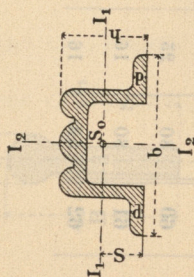
Tab. N:o 12.

Frihultslistor.

Profil N:o	Dimensioner i millimeter		Area F cm ²	Vigt pr meter G kg.	Dimensioner i engelska tum		Vigt pr eng. fot G lbs	Längder, som valsas i meter	
	Bredd	Tjock- lek			Bredd	Tjock- lek		Medel- längd	Största längd
60	80	25	17.40	13.66	$3\frac{5}{32}$ "	1"	9.15	7 à 8	9 à 10
61	80	16	10.20	8.01	$3\frac{5}{32}$ "	$5\frac{1}{8}$ "	5.37	»	»
62	53	16	6.74	5.29	$2\frac{3}{32}$ "	$5\frac{1}{8}$ "	3.54	»	»

Tab. N:o 13.

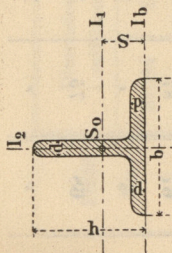
Profiler för Skarndäcksjern.



 Profil N:o	Dimen- sioner i milli- meter		Area F cm ²	Vigt pr meter G kg.	Dimensioner i engelska tum			Vigt pr eng fot G lbs	Längder, som valsas i meter		Tyngd- punkts afstånd S cm.	Tröghets- moment	
	b	h	d		b	h	d		Medel- längd	Största längd		I ₁ cm ⁴	I ₂ cm ⁴
63	124	62	6	16.10	12.64	4 ⁷ / ₈	2 ⁷ / ₁₆	1 ¹ / ₄	8.47	5 à 6	7 à 8	78.2	147
64	148	74	8	24.24	19.03	5 ¹³ / ₁₆	2 ²⁹ / ₃₂	5 ⁵ / ₁₆	12.75	»	»	164	340

Tab. N:o 14.

Profiler för T-jern.



Normal profil N:o	T	Profil N:o	Dimen- sioner i milli- meter		Area F cm ²	Vigt pr meter G kg.	Dimensioner i engelska tum			Vigt pr eng. fot G lbs	Längder, som valsas i meter		Tyngd- punkts afstånd S cm.	Tröghets- moment		
			b	h	d		b	h	d		Medel- längd	Största längd		I ₁ cm ⁴	I ₂ cm ⁴	I _b cm ⁴
65			80	99	11	18.48	14.50	3 ⁵ / ₃₂	3 ²⁹ / ₃₂	7 ¹ / ₁₆	5	6 7	8	177	47.8	359
66			74	74	9	12.51	9.82	2 ²⁹ / ₃₂	2 ²⁹ / ₃₂	11 ¹ / ₃₂	»	»	2.18	63.7	30.8	123

Tab. N:o 15.

Rostjern.

Profil N:o	Dimensioner i millimeter			Area F cm ²	Vigt pr meter G kg.	Längder, som valsas i meter	
	Höjd	Största tjocklek	Minsta tjocklek			Medel- längd	Största längd
67	87	19	12	13.49	10.58	5 à 6	7 à 8
»	»	14	7	9.14	7.17	»	»
68	75	16	10	9.75	7.65	»	»
»	»	13	7	7.50	5.88	»	»

Tab. N:o 16.

Halfovaler.

Profil N:o	Dimensioner i millimeter		Area F cm ²	Vigt pr meter G kg.	Längder, som valsas i meter	
	Bredd	Höjd			Medellängd	Största längd
69	9	3	0.20	0.16	5 à 6	11 à 12
70	12	5	0.48	0.38	»	»
71	15	5	0.65	0.51	»	»
72	17	6	0.97	0.76	»	»
73	20	7	1.27	1.00	»	»
74	21	8	1.41	1.11	»	»
75	25	9	1.94	1.52	»	»
76	28	9	2.43	1.91	»	»
77	34	11	3.35	2.63	»	»
78	37	12	3.68	2.89	»	»
79	50	12	5.16	4.05	»	»

Tab. N:o 17.

Halfrundt jern.

Profil N:o	Dimensioner i millimeter		Area F cm ²	Vigt pr meter G kg.	Längder, som valsas i meter	
	Bredd	Höjd			Medellängd	Största längd
80	50	25	9.94	7.80	6 à 7	8 à 9
81	64	32	15.57	12.22	»	»
82	76	38	22.50	17.66	5 à 6	7 à 8
83	88	44	30.43	23.89	»	»

Tabell utvisande största storlek af plåtar, som kunna valsas vid Motala.

Tjocklek i mm.	B r e d d i m m e t e r															Vigt pr qv.-m. i kg.	Tjocklek i mm.
	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700 a 1780		
1	3200	2800	2400	2000	1900	1500	1400	—	—	—	—	—	—	—	7.85		
2	4700	4300	3900	3500	3100	2700	2600	2200	—	—	—	—	—	—	15.70		
3	5300	5200	5000	4700	4600	4200	3800	3500	—	—	—	—	—	—	23.55		
4	5300	5300	5200	5000	4700	4400	4100	3800	—	—	—	—	—	—	31.40		
5	5900	5900	5900	5900	5700	5300	5300	4700	4300	3500	3100	2700	2300	1900	39.25		
6	8900	8900	8900	8900	8400	7400	7400	6600	5600	4700	3900	3100	2600	2200	47.10		
7	8900	8900	8900	8900	8600	7700	7700	6800	5900	5000	4000	3200	2600	2200	54.95		
8	10300	10300	10300	10300	10300	10300	8900	7800	6600	5300	4500	3700	2900	2500	62.80		
9	10300	10300	10300	10300	10300	10300	10300	8600	7400	6200	5000	4000	3200	2500	70.65		
10	10300	10300	10300	10300	10300	10300	10300	8600	7400	6200	5000	4000	3200	2500	78.50		
11	11800	11800	11800	11800	11800	11800	11800	9800	8300	7000	5900	4700	3500	2800	86.35		
12	11800	11800	11800	11800	11800	10800	10300	8600	7400	6200	5100	4300	3500	2800	94.20		
13	11800	11800	11800	11800	11800	10400	8900	8200	7200	6100	4900	4000	3500	2800	102.05		
14	10300	10300	10300	10300	10300	9900	8900	7800	7000	5900	4800	4000	3500	2800	109.90		
15	8900	8900	8900	8900	8900	8100	7700	6400	6000	5600	4500	3700	3200	2800	117.75		
16	8900	8900	8900	8900	8900	8000	7000	6200	5900	5300	4500	3500	3200	2800	125.60		
17	8900	8500	8100	7700	7300	6900	6500	6100	5700	5000	4300	3300	2500	2500	133.45		
18	8300	7700	7500	7400	7300	6600	6200	5800	5400	4700	4300	3300	2900	2600	141.30		
19	8300	7700	7400	7400	7300	6600	6200	5800	5400	4700	4000	3300	2600	2500	149.15		
20	8000	7600	7400	7400	7000	6600	6200	5800	5400	4700	4000	3300	2600	2500	157.00		
21	7700	7400	7200	7100	6700	6300	5900	5500	5100	4700	4000	3300	2600	2200	164.85		
22	7700	7400	7200	7100	6700	6300	5900	5500	5100	4700	4000	3300	2600	2200	172.70		
23	7400	7400	7200	7100	6700	6300	5900	5200	5100	4700	4000	3300	2600	2200	180.55		
24	7400	7100	7100	7000	6600	6200	5800	5100	4700	4300	3600	3200	2500	2100	188.40		
25	7000	7000	7000	6900	6500	6100	5700	5000	4600	4100	3500	3100	2300	2000	196.25		

Endast runda plåtar, 6 mm. tjocka
och deröfver.

Vigt i kg. per längdmeter af rund- och fyrkantjern.

Diameter i mm.			Diameter i mm.			Diameter i mm.		
5	0.195	0.153	30	7.011	5.506	60	28.04	22.03
6	0.280	0.220	31	7.486	5.880	62	29.94	23.52
7	0.382	0.300	32	7.977	6.265	64	31.91	25.06
8	0.499	0.392	33	8.483	6.663	66	33.93	26.65
9	0.631	0.496	34	9.005	7.073	68	36.02	28.29
10	0.779	0.612	35	9.543	7.495	70	38.17	29.98
11	0.943	0.740	36	10.10	7.929	72	40.38	31.72
12	1.122	0.881	37	10.66	8.376	74	42.66	33.50
13	1.317	1.034	38	11.25	8.828	76	45.00	35.31
14	1.527	1.199	39	11.85	9.306	78	47.39	37.22
15	1.753	1.377	40	12.46	9.789	80	49.86	39.16
16	1.994	1.566	41	13.09	10.28	85	56.28	44.20
17	2.251	1.768	42	13.74	10.79	90	63.10	49.56
18	2.524	1.982	43	14.40	11.31	95	70.30	55.18
19	2.812	2.207	44	15.08	11.84	100	77.90	61.18
20	3.116	2.447	45	15.77	12.39	105	85.88	67.45
21	3.435	2.698	46	16.48	12.95	110	94.26	74.03
22	3.770	2.961	47	17.21	13.52	115	103.0	80.91
23	4.121	3.237	48	17.95	14.10	120	112.2	88.10
24	4.487	3.524	49	18.70	14.69	125	121.7	95.60
25	4.869	3.824	50	19.48	15.30	130	131.7	103.4
26	5.266	4.136	52	21.06	16.54	135	142.0	111.5
27	5.679	4.460	54	22.72	17.84	140	152.7	119.9
28	6.117	4.797	56	24.47	19.19	145	163.8	128.6
29	6.551	5.145	58	26.21	20.58	150	175.3	137.7

Frakter pr 100 kg. från Motala Verkstad.

Till	Jernvägsfrakt			Sjöfrakt	
	för Jern, Stål och Plåt				
	intill 2,500 kg.	minst 2,500 kg.	minst 5,000 kg.	mindre parti	större parti
Alfvesta					
Askersund					
Borås					
Carlsborg					
Charlottenberg					
Christiania					
Eskilstuna					
Forsvik					
Gefle					
Göteborg					
Hernösand					
Jönköping					
Kalmar					
Karlskrona					
Karlstad					
Katrineholm					
Kristinehamn					
Kristianstad					
Köpenhamn					

Frakter pr 100 kg. från Motala Verkstad.

Till	Jernvägsfrakt			Sjöfrakt	
	för Jern, Stål och Plåt				
	intill 2,500 kg.	minst 2,500 kg.	minst 5,000 kg.	mindre parti	större parti
Linköping					
Landskrona					
Lübeck					
Malmö					
Mjölby					
Norrköping					
Nässjö					
Oskarshamn					
Sköfde					
Stockholm					
Sundsvall					
Söderhamn					
Trondhjem					
Ulricehamn					
Ystad					
Örebro					

Sektioner 1896.

(Hel storlek.)

De röda profilerna äro lika med de Tyska normalprofilerna.

Der tvenne sektioner finnas å samma jernsort, utvisa dessa den tjockaste och tunnaste, som kunna valsas.

Tjocklekar deremellan kunna erhållas.

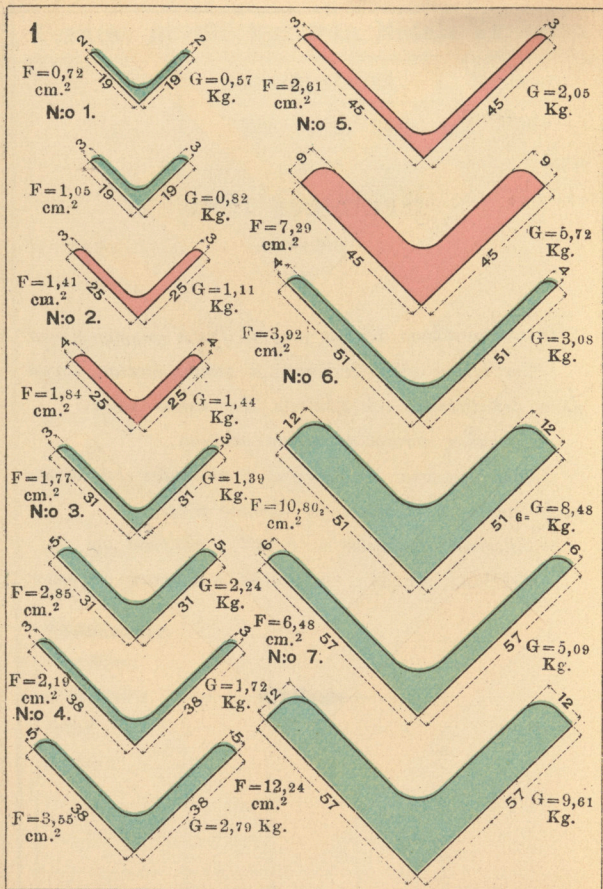
Dimensionerna äro angifna i millimeter och utjemnade; vigten i kilogram per löpande meter.

Kilogram per meter $\times 0,69847$ = skålpund per fot.

Skålpund per fot $\times 1,43169$ = kilogram pr meter.

(Utan förbindelse.)





2

$$F = 7,32 \text{ cm.}^2$$

$$G = 5,75 \text{ Kg.}$$

N:o 8.

$$F = 13,92 \text{ cm.}^2$$

$$G = 10,93 \text{ Kg.}$$

$$F = 8,76 \text{ cm.}^2$$

$$G = 6,88 \text{ Kg.}$$

N:o 9.

$$F = 21,76 \text{ cm.}^2$$

$$G = 17,08 \text{ Kg.}$$

$$F = 10,44 \text{ cm.}^2$$

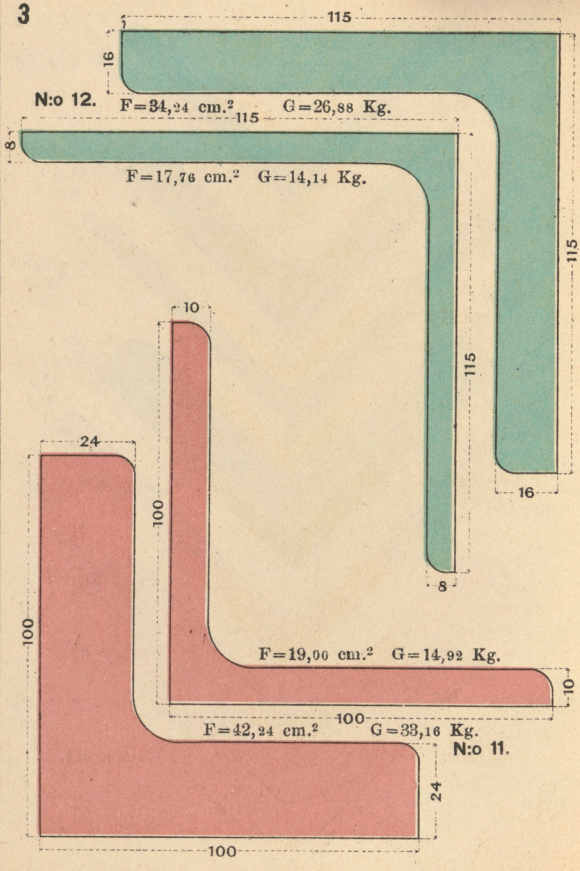
$$G = 8,20 \text{ Kg.}$$

N:o 10.

$$F = 37,44 \text{ cm.}^2$$

$$G = 29,69 \text{ Kg.}$$

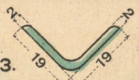
3



$$F = 0,68 \text{ cm}^2$$

N:o 13.

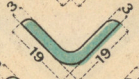
$$G = 0,53 \text{ Kg.}$$



$$F = 1,01 \text{ cm}^2$$

N:o 14.

$$G = 0,79 \text{ Kg.}$$



$$F = 1,37 \text{ cm}^2$$

N:o 15.

$$G = 1,08 \text{ Kg.}$$



$$F = 2,21 \text{ cm}^2$$

N:o 16.

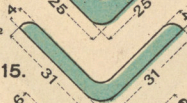
$$G = 1,73 \text{ Kg.}$$



$$F = 2,22 \text{ cm}^2$$

N:o 17.

$$G = 1,74 \text{ Kg.}$$



$$F = 3,26 \text{ cm}^2$$

N:o 18.

$$G = 2,56 \text{ Kg.}$$



$$F = 3,98 \text{ cm}^2$$

N:o 19.

$$G = 3,12 \text{ Kg.}$$



$$F = 5,18 \text{ cm}^2$$

N:o 20.

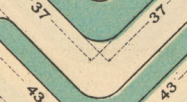
$$G = 4,07 \text{ Kg.}$$



$$F = 4,70 \text{ cm}^2$$

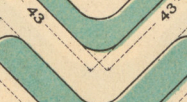
N:o 21.

$$G = 3,69 \text{ Kg.}$$



$$F = 6,75 \text{ cm}^2$$

$$G = 5,80 \text{ Kg.}$$



5

$$F = 7,18 \text{ cm.}^2$$

$$G = 5,94 \text{ Kg.}$$

N:o 18.

$$F = 9,39 \text{ cm.}^2$$

$$G = 7,37 \text{ Kg.}$$

$$F = 9,95 \text{ cm.}^2$$

$$G = 7,81 \text{ Kg.}$$

N:o 19.

$$F = 13,04 \text{ cm.}^2$$

$$G = 10,24 \text{ Kg.}$$

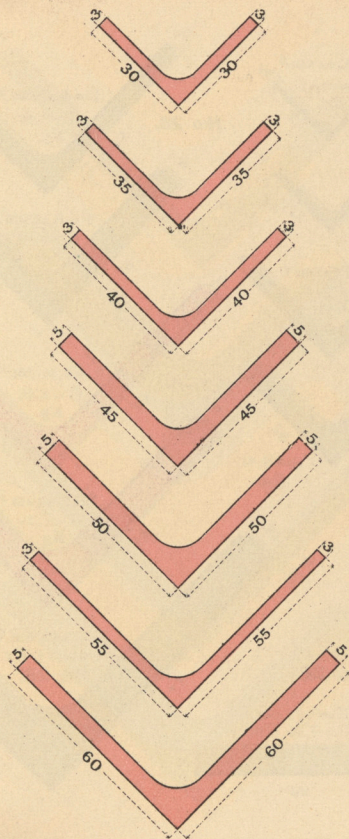
$$F = 13,10 \text{ cm.}^2$$

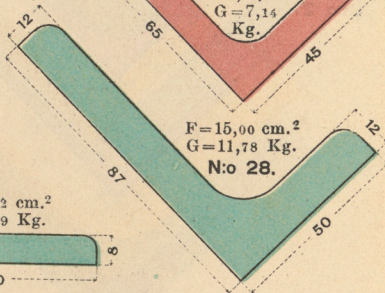
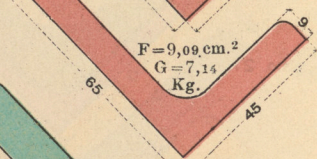
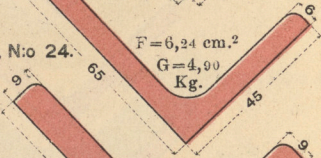
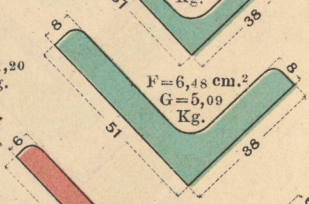
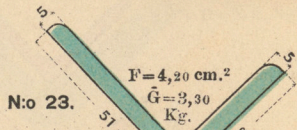
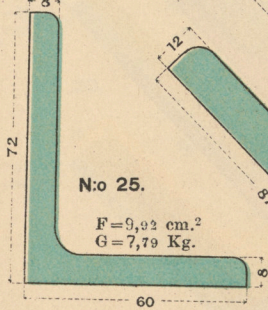
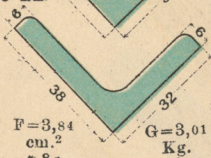
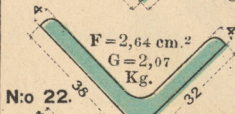
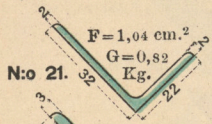
$$G = 10,28 \text{ Kg.}$$

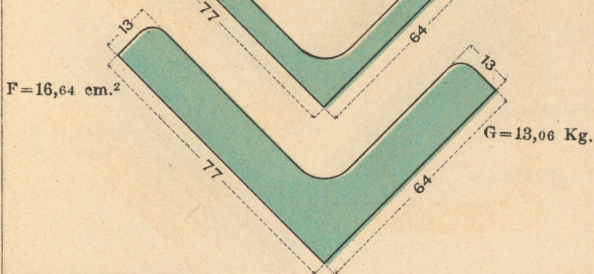
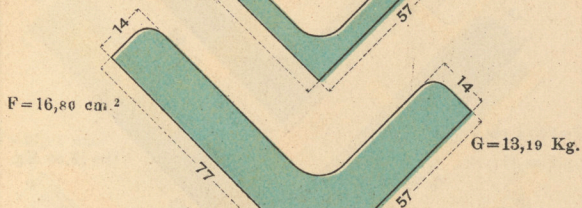
N:o 20.

$$F = 18,06 \text{ cm.}^2$$

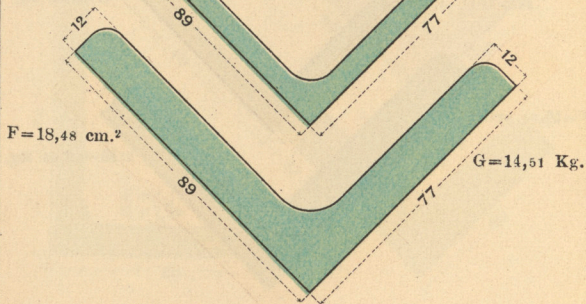
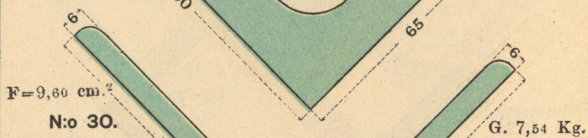
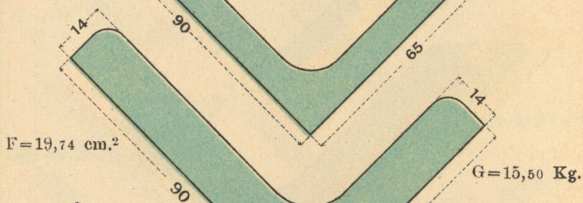
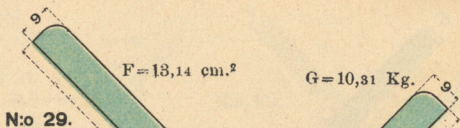
$$G = 14,18 \text{ Kg.}$$



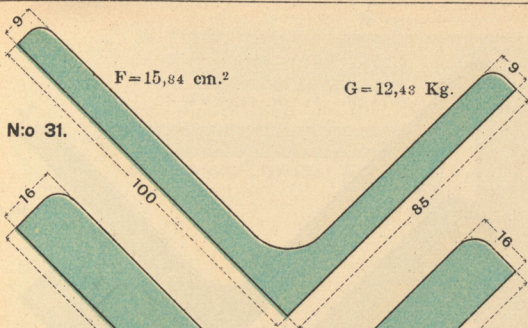




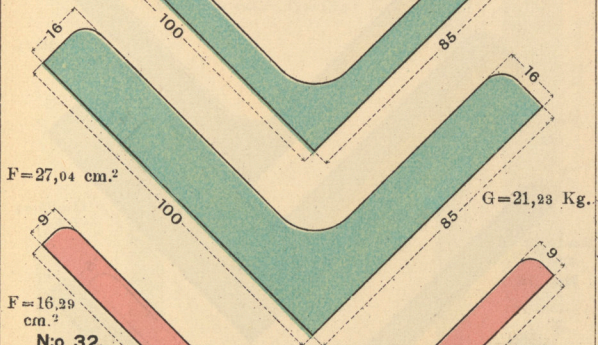
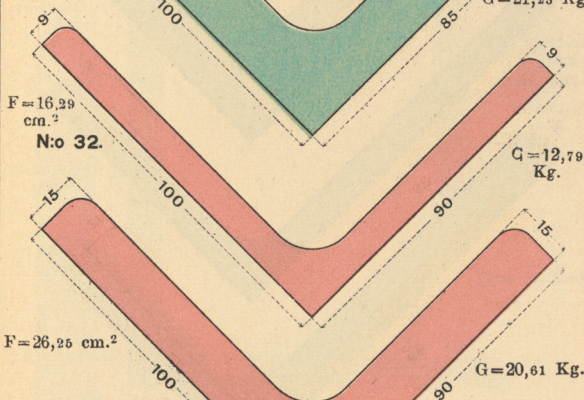
9



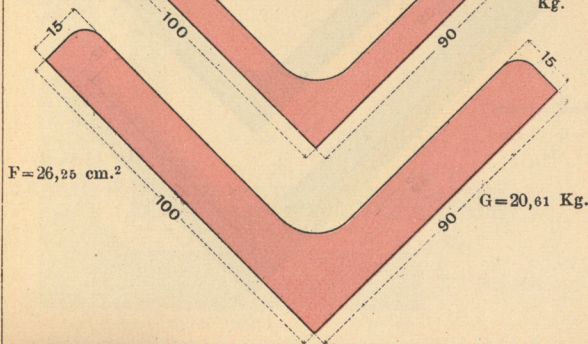
10



N:o 31.

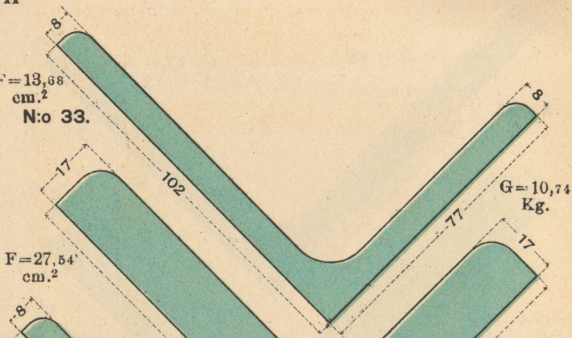
 $F = 27,04 \text{ cm}^2$ $G = 21,28 \text{ Kg}$  $F = 16,29 \text{ cm}^2$ $G = 12,79 \text{ Kg}$

N:o 32.

 $F = 26,25 \text{ cm}^2$ $G = 20,61 \text{ Kg}$

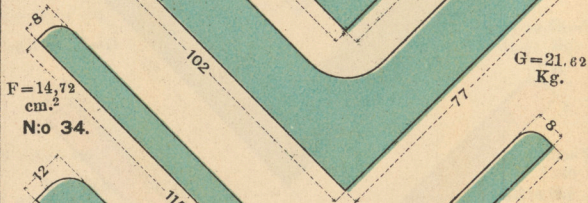
11

$F = 13,68$
cm.²
N:o 33.



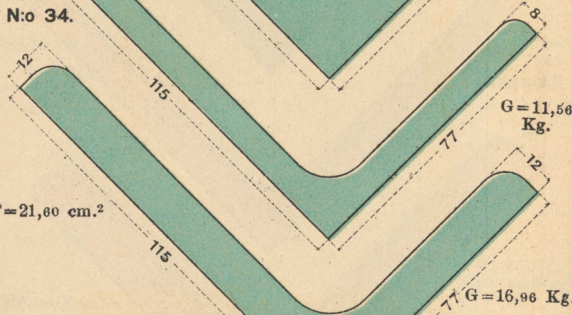
$G = 10,74$
Kg.

$F = 27,54$
cm.²



$G = 21,62$
Kg.

$F = 14,72$
cm.²
N:o 34.



$G = 11,56$
Kg.

$F = 21,60$ cm.²

$G = 16,96$ Kg.

N:o 35.

$$F = 15,76 \text{ cm}^2 \quad G = 12,37 \text{ Kg.}$$

$$F = 28,50 \text{ cm}^2 \quad G = 22,37 \text{ Kg.}$$

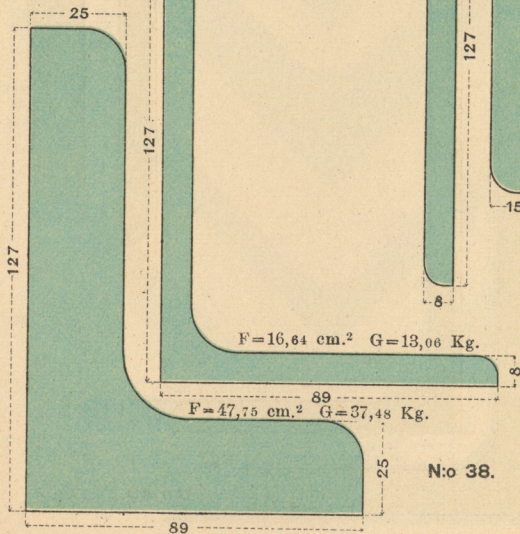
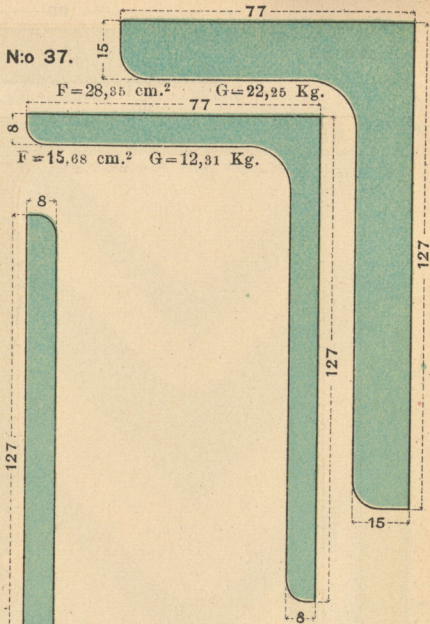
N:o 36.

$$F = 30,00 \text{ cm}^2 \quad G = 23,55 \text{ Kg.}$$

$$F = 16,56 \text{ cm}^2 \quad G = 12,20 \text{ Kg.}$$

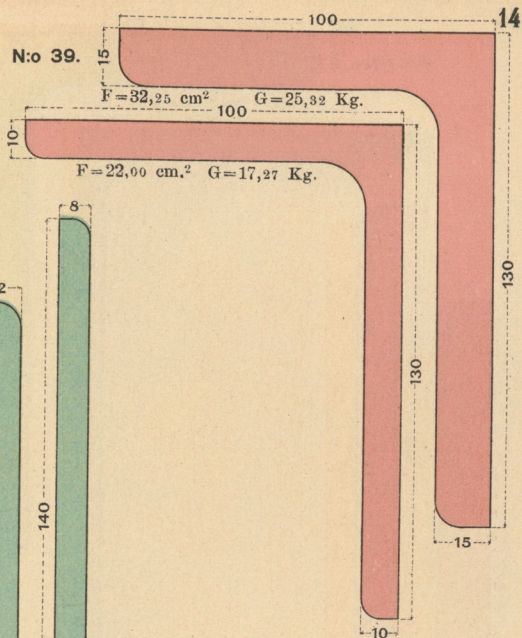
13

N:o 37.



N:o 38.

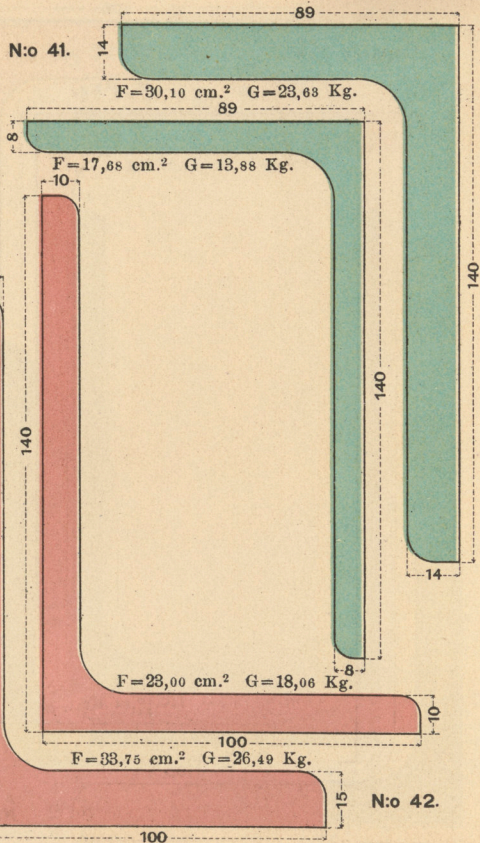
N:o 39.



N:o 40.

15

N:o 41.



N:o 42.

N:o 43.

$$F = 33,75 \text{ cm}^2 \quad G = 26,49 \text{ Kg.}$$

$$F = 18,56 \text{ cm}^2 \quad G = 14,57 \text{ Kg.}$$

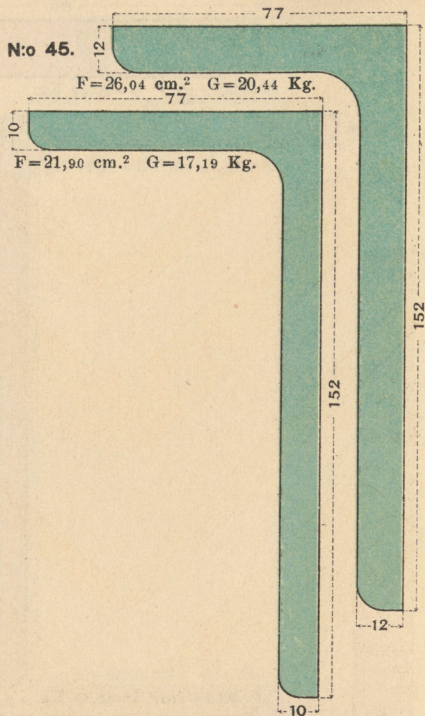
$$F = 24,00 \text{ cm}^2 \quad G = 18,84 \text{ Kg.}$$

$$F = 35,25 \text{ cm}^2 \quad G = 27,67 \text{ Kg.}$$

N:o 44.

Central-tryckeriet, Stockholm.

N:o 45.

 $F = 26,04 \text{ cm.}^2$ $G = 20,44 \text{ Kg.}$ $F = 21,90 \text{ cm.}^2$ $G = 17,19 \text{ Kg.}$ 

$$F = 13,18 \text{ cm.}^2$$

N:o 46.

$$F = 26,70 \text{ cm.}^2$$

$$F = 14,70 \text{ cm.}^2$$

N:o 47.

$$F = 42,41 \text{ cm.}^2$$

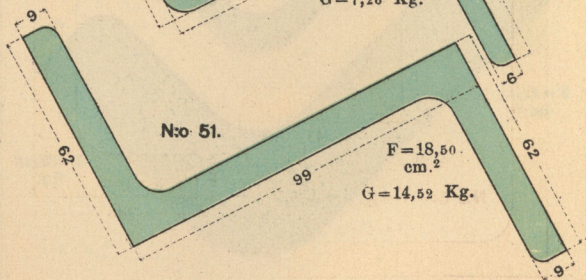
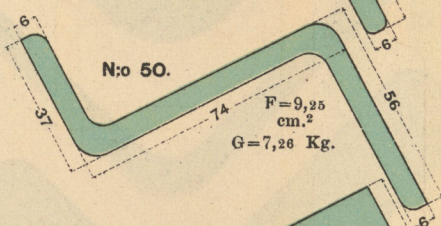
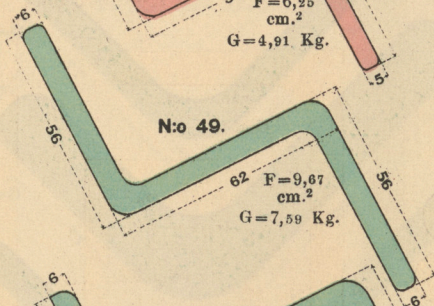
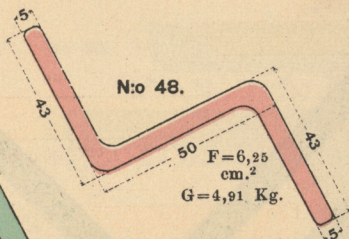
$$G = 10,35 \text{ Kg.}$$

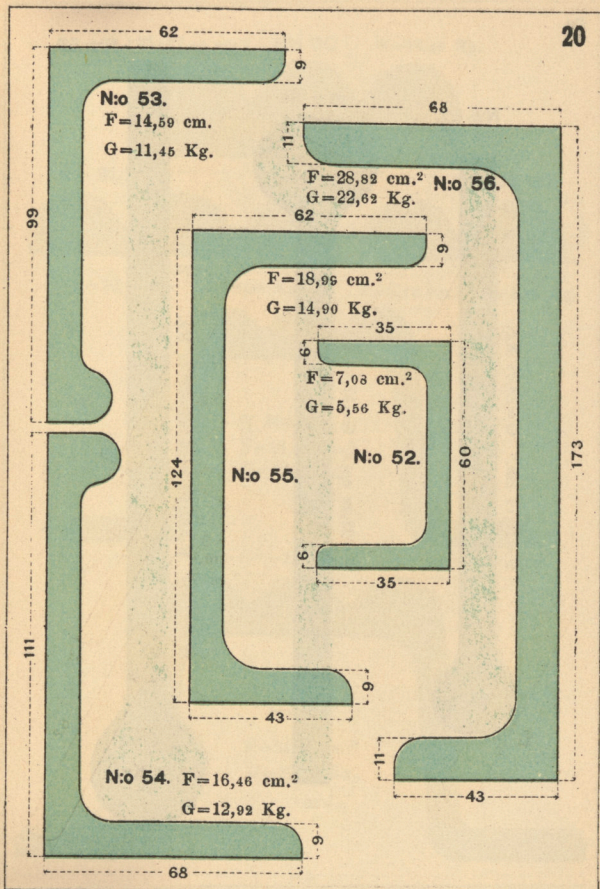
$$G = 20,96 \text{ Kg.}$$

$$G = 11,54 \text{ Kg.}$$

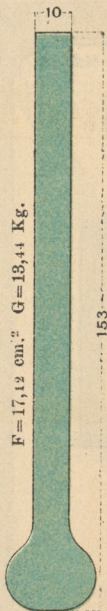
$$G = 33,29 \text{ Kg.}$$

19

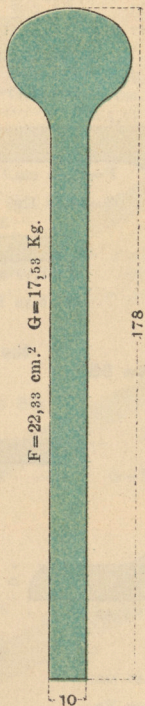




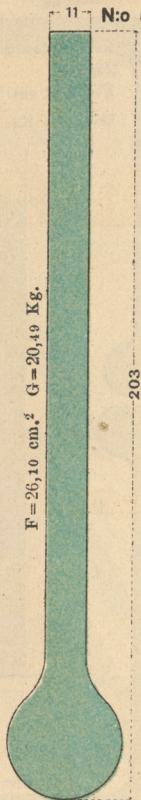
N:o 57.

F=17,12 cm.² G=18,44 Kg.

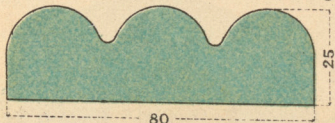
N:o 58.

F=22,33 cm.² G=17,53 Kg.

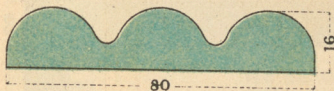
N:o 59.

F=26,10 cm.² G=20,49 Kg.

$F=17,40 \text{ cm.}^2$ N:o 60 $G=13,66 \text{ Kg.}$

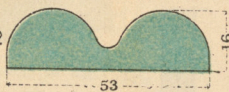


N:o 61.



$F=10,20 \text{ cm.}^2$ $G=8,01 \text{ Kg.}$

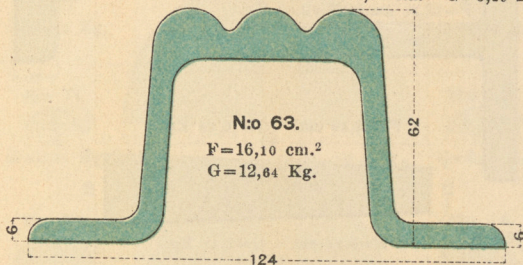
N:o 62.



$F=6,74 \text{ cm.}^2$ $G=5,29 \text{ Kg.}$

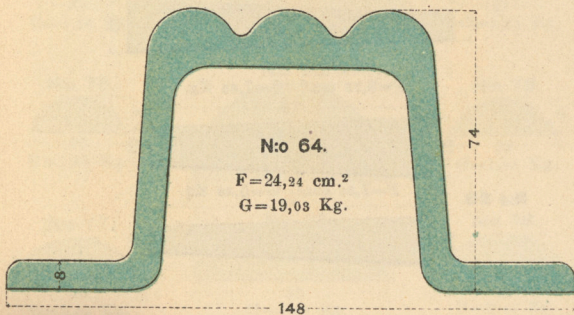
N:o 63.

$F=16,10 \text{ cm.}^2$
 $G=12,64 \text{ Kg.}$

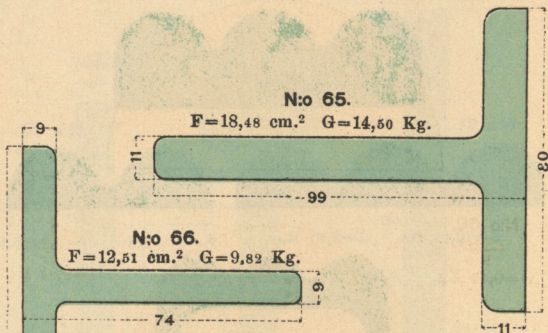


N:o 64.

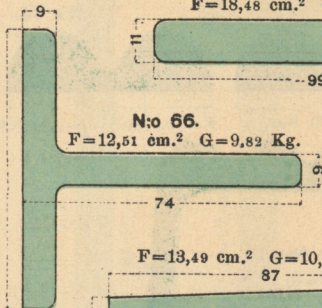
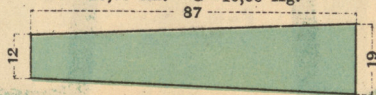
$F=24,24 \text{ cm.}^2$
 $G=19,03 \text{ Kg.}$



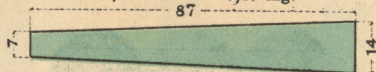
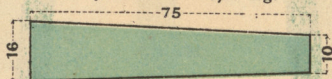
N:o 65.

 $F=18,48 \text{ cm.}^2$ $G=14,50 \text{ Kg.}$ 

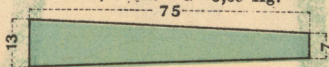
N:o 66.

 $F=12,51 \text{ cm.}^2$ $G=9,82 \text{ Kg.}$  $F=13,49 \text{ cm.}^2$ $G=10,58 \text{ Kg.}$ 

N:o 67.

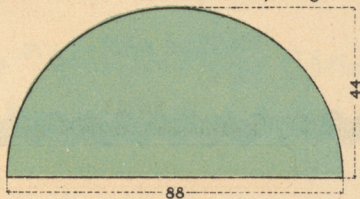
 $F=9,14 \text{ cm.}^2$ $G=7,17 \text{ Kg.}$  $F=9,75 \text{ cm.}^2$ $G=7,65 \text{ Kg.}$ 

N:o 68.

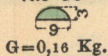
 $F=7,50 \text{ cm.}^2$ $G=5,88 \text{ Kg.}$ 

N:o 83. $G=23,89$ Kg.

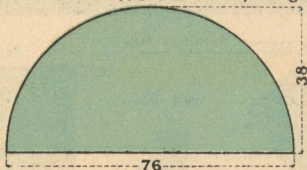
24



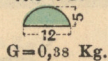
N:o 69.



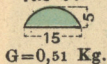
N:o 82. $G=17,66$ Kg.



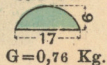
N:o 70.



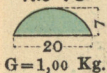
N:o 71.



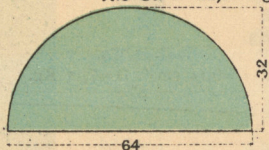
N:o 72.



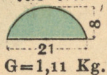
N:o 73.



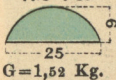
N:o 81. $G=12,22$ Kg.



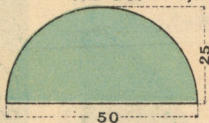
N:o 74.



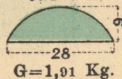
N:o 75.



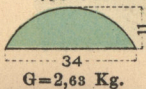
N:o 80. $G=7,80$ Kg.



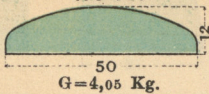
N:o 76.



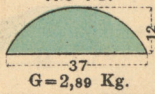
N:o 77.



N:o 79.



N:o 78.

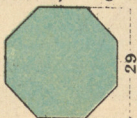


Refflad plåt.

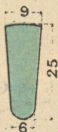


$G=5,47 \text{ Kg.}$

Fig. 1.



N:o 86.



$G=1,02 \text{ Kg.}$

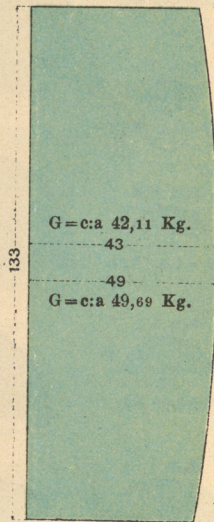
N:o 84.

$G=1,28 \text{ Kg.}$

Fig. 2.

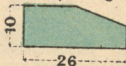


N:o 88.



$G=1,79 \text{ Kg.}$

Fig. 1.



N:o 87.

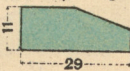
$G=7,78 \text{ Kg.}$



N:o 85.

$G=2,20 \text{ Kg.}$

Fig. 2.



Motala Verkstads Nya Aktiebolags

Stämplat för Jern och Stål.



