

MOTALA

MEKANISKA VERKSTADS AKTIEBOLAG.

SEKTIONER OCH TABELLER

ÖFVER

VALSVERKPRODUKTER

1886.

(Hvar för sig delar)

Ur KB:s samlingar

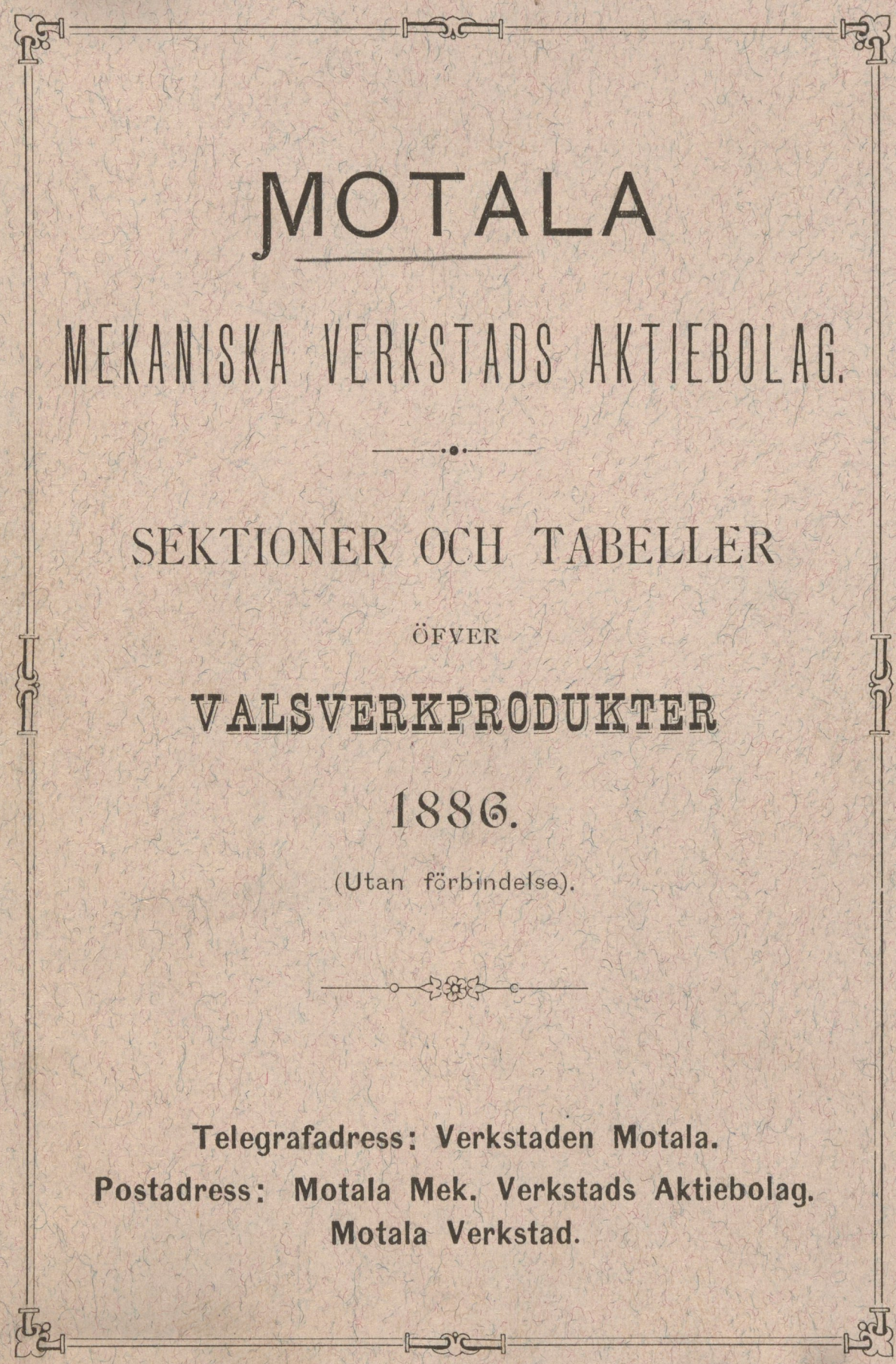
Digitaliserad år 2022



National Library
of Sweden

Telegrafadress: Verkstaden Motala.

Postadress: Motala Mek. Verkstads Aktiebolag.
Motala Verkstad.



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(Utan förbindelse).

Telegrafadress: Verkstaden Motala.

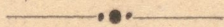
Postadress: Motala Mek. Verkstads Aktiebolag.

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MOTALLA
1886



Stockholm, David Lunds Boktryckeri, 1886.

Sektioner 1886.

(Half storlek.)



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

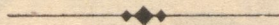
Tjocklekar deremellan kunna erhållas.

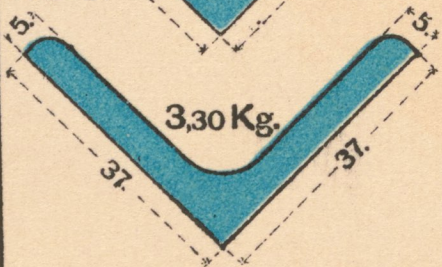
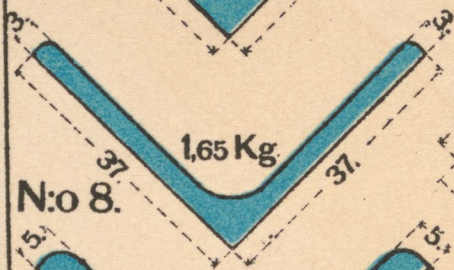
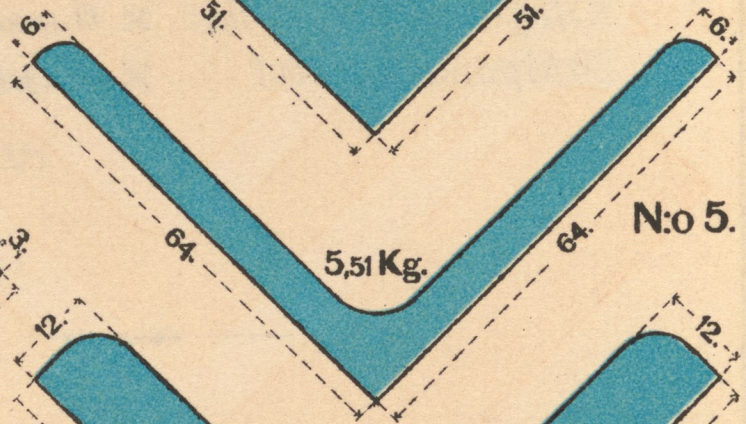
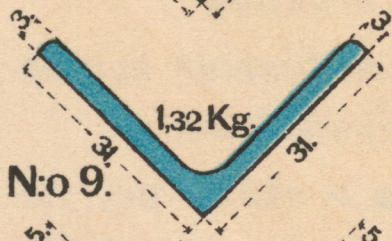
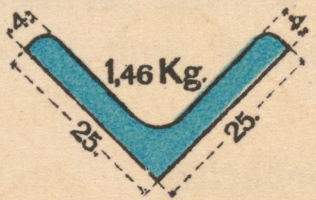
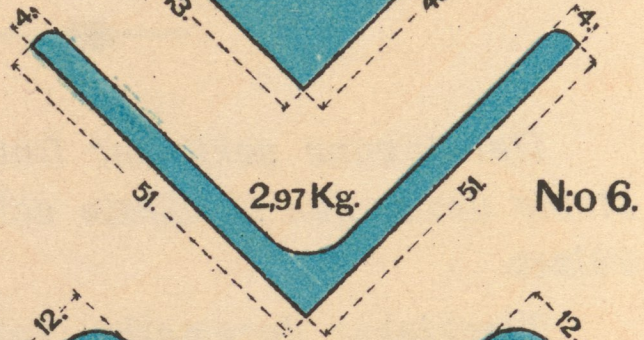
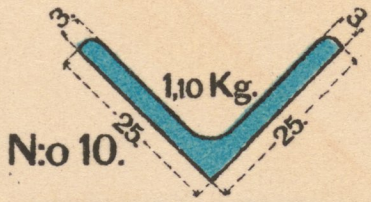
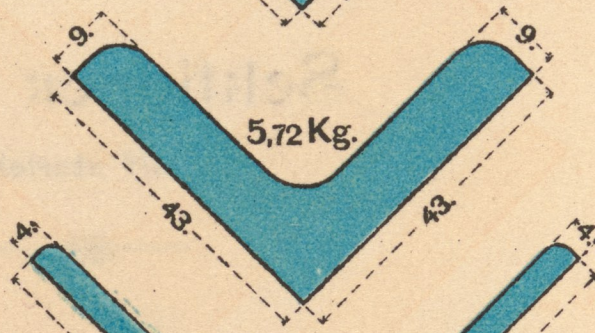
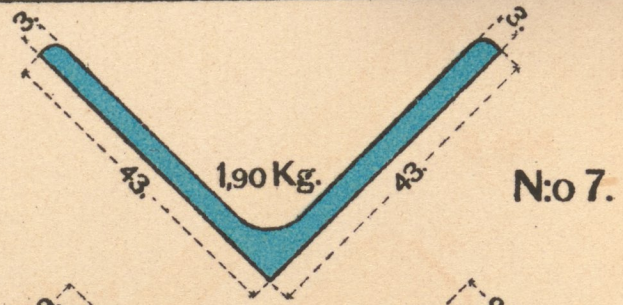
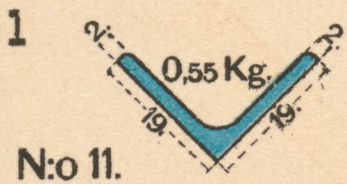
Dimensionerna äro angifna i millimeter och utjemnade; vigten i kilogram per löpande meter.

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

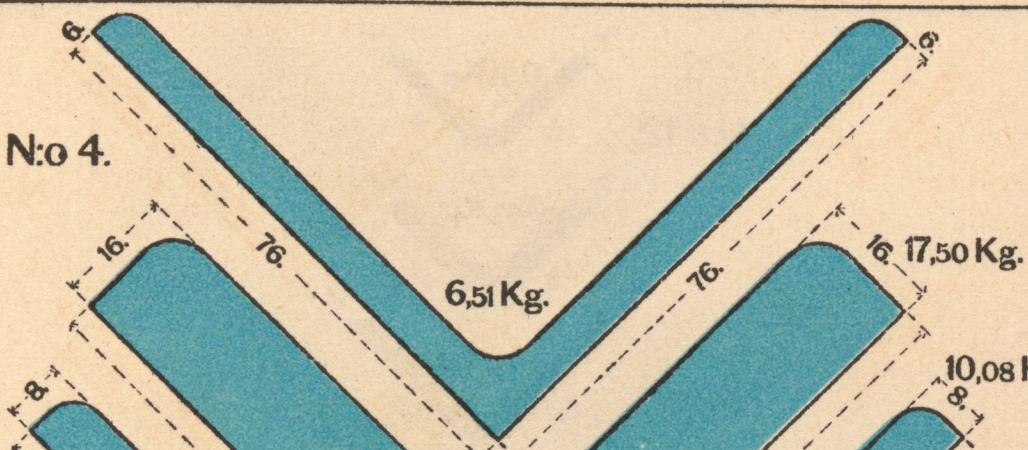
Skålpund per fot $\times 1,43169 =$ kg. per meter.

(Utan förbindelse).

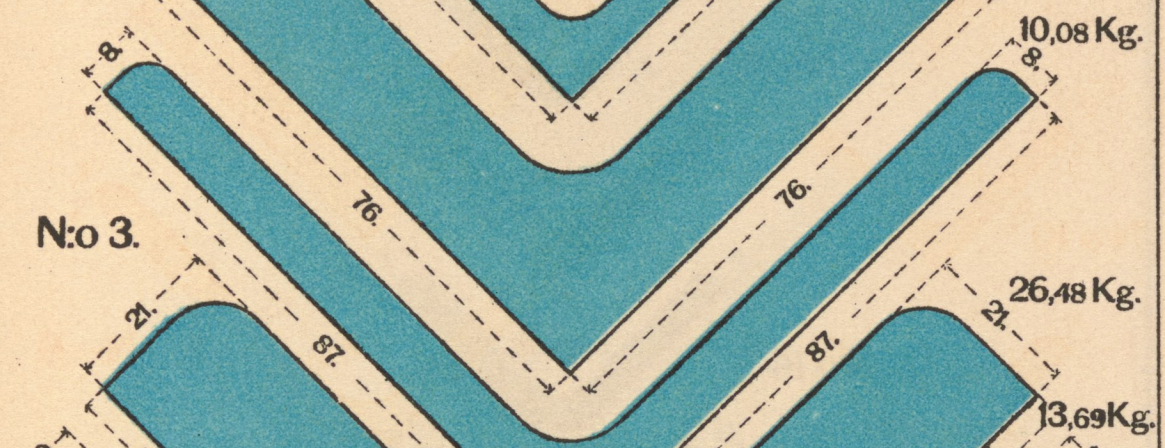




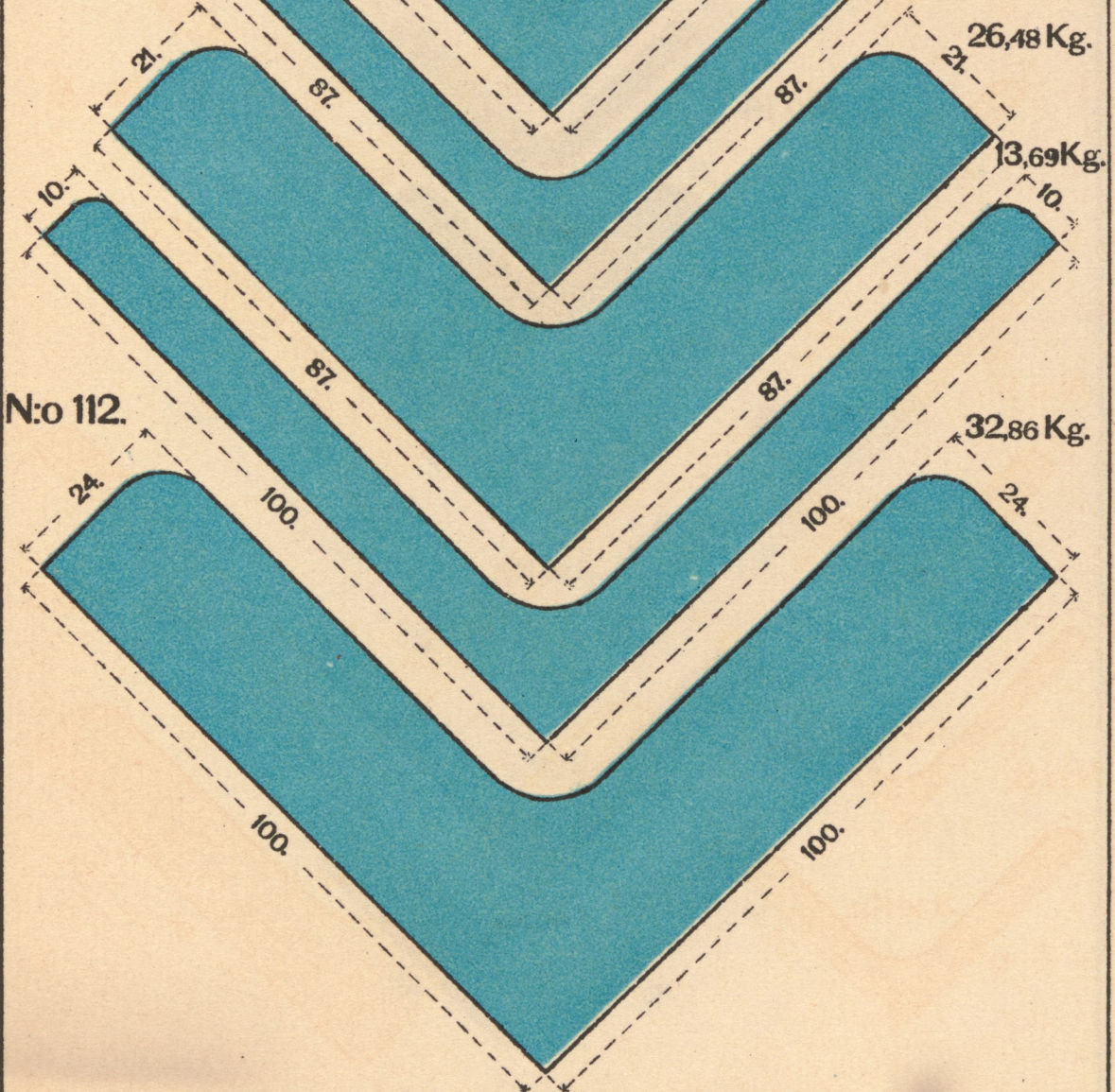
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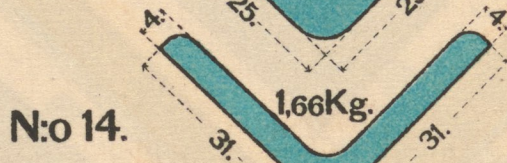
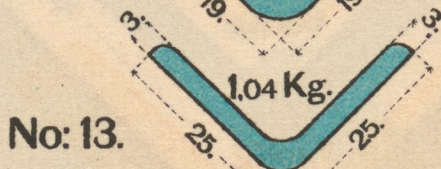
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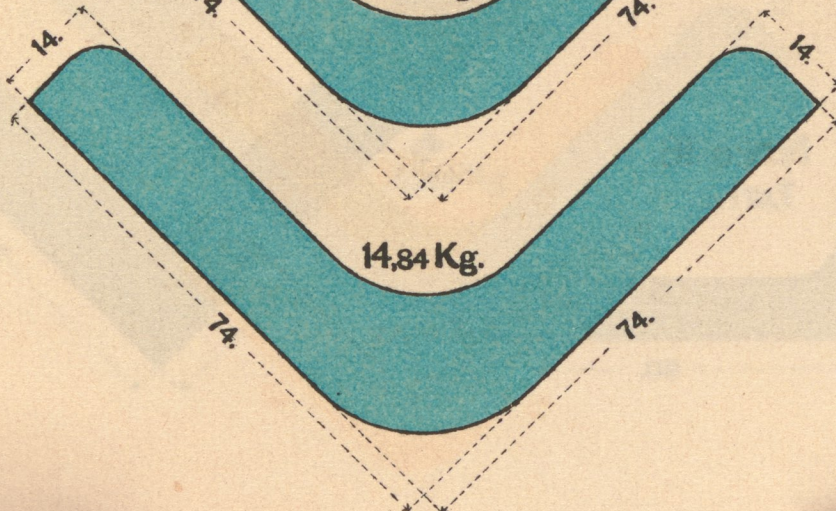
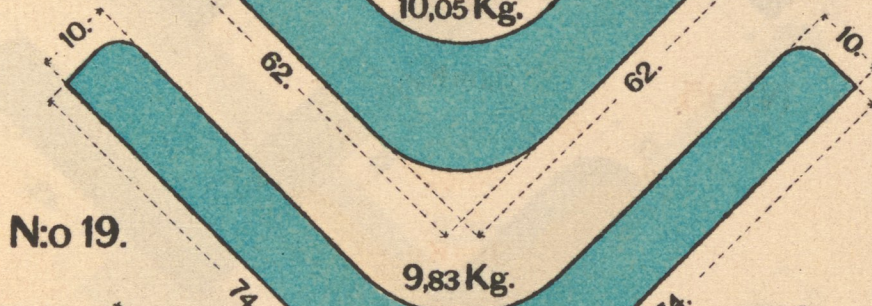
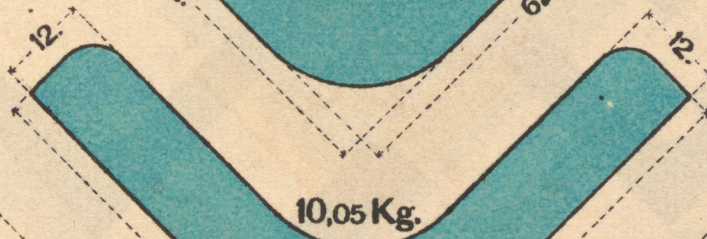
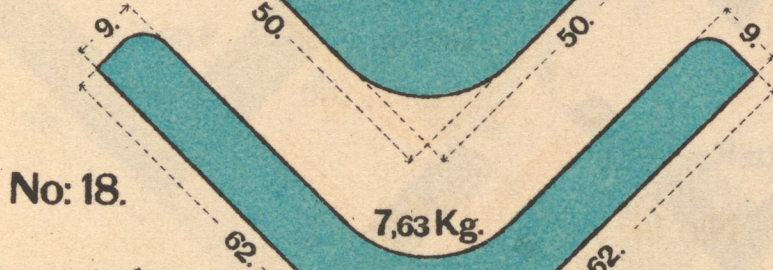
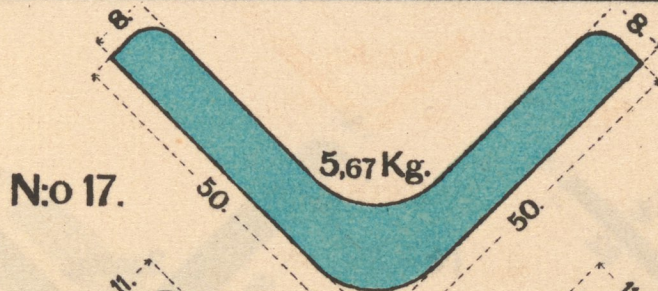


N:o 112.

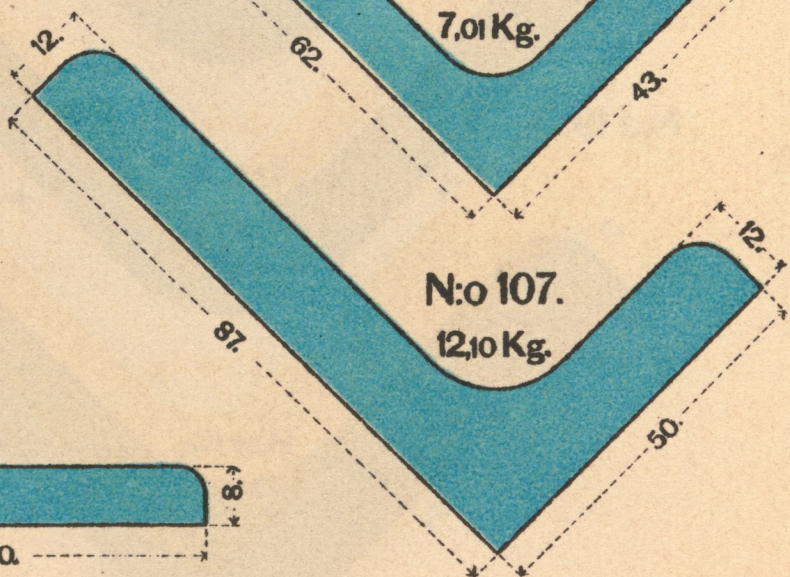
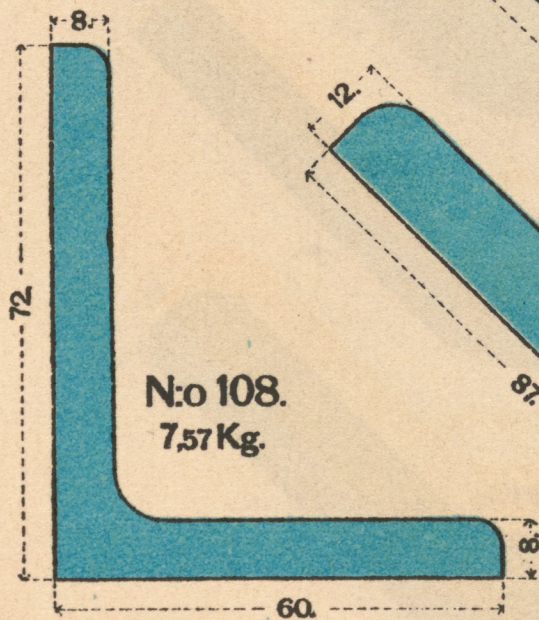
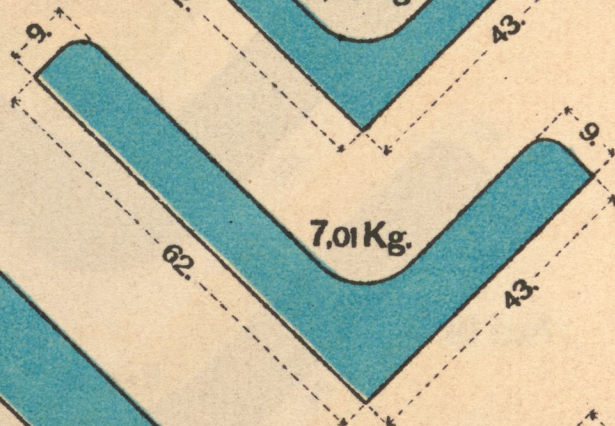
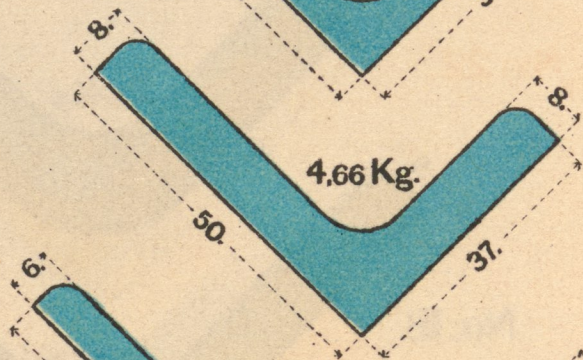
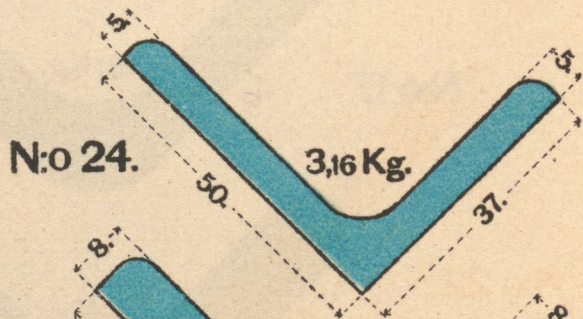
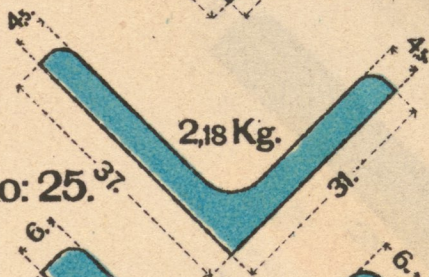
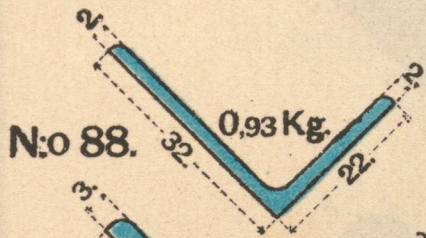


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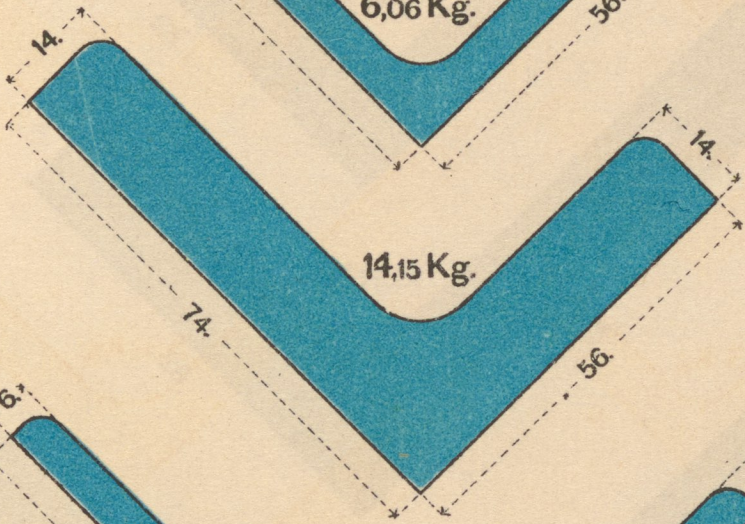
5



N:o 22.



6,06 Kg.

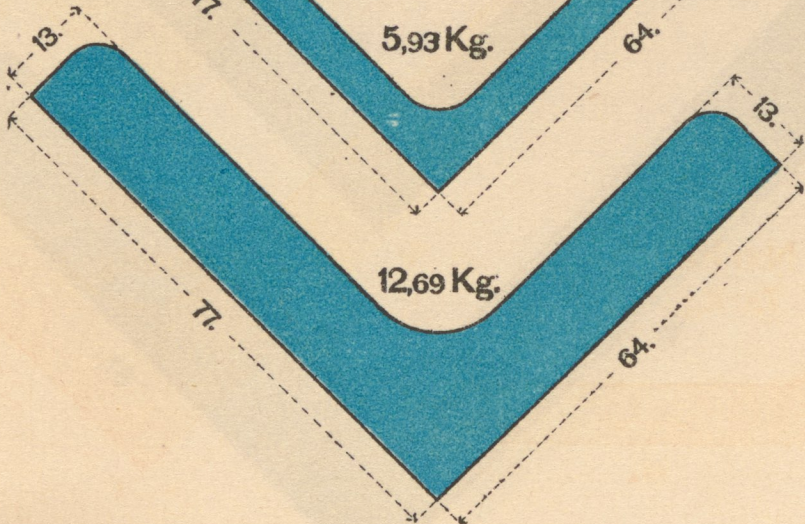


14,15 Kg.

N:o 106.



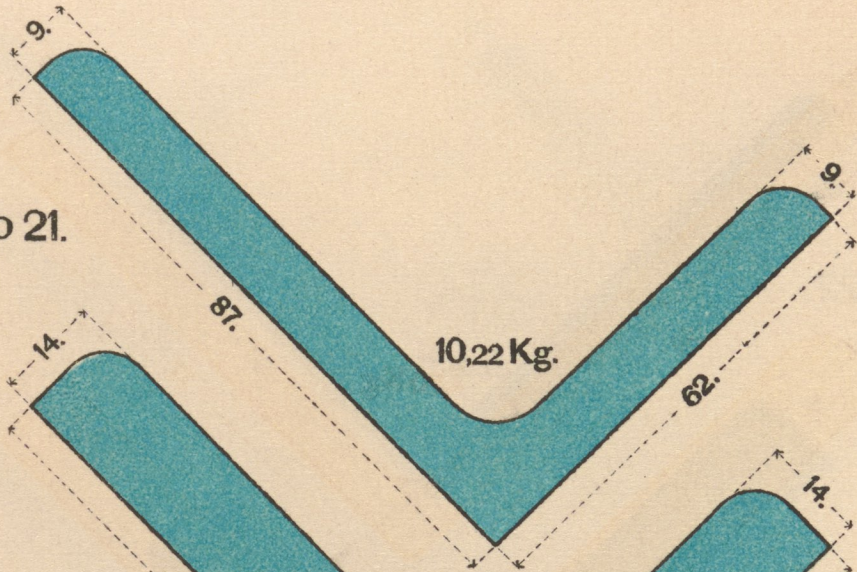
5,93 Kg.



12,69 Kg.

7

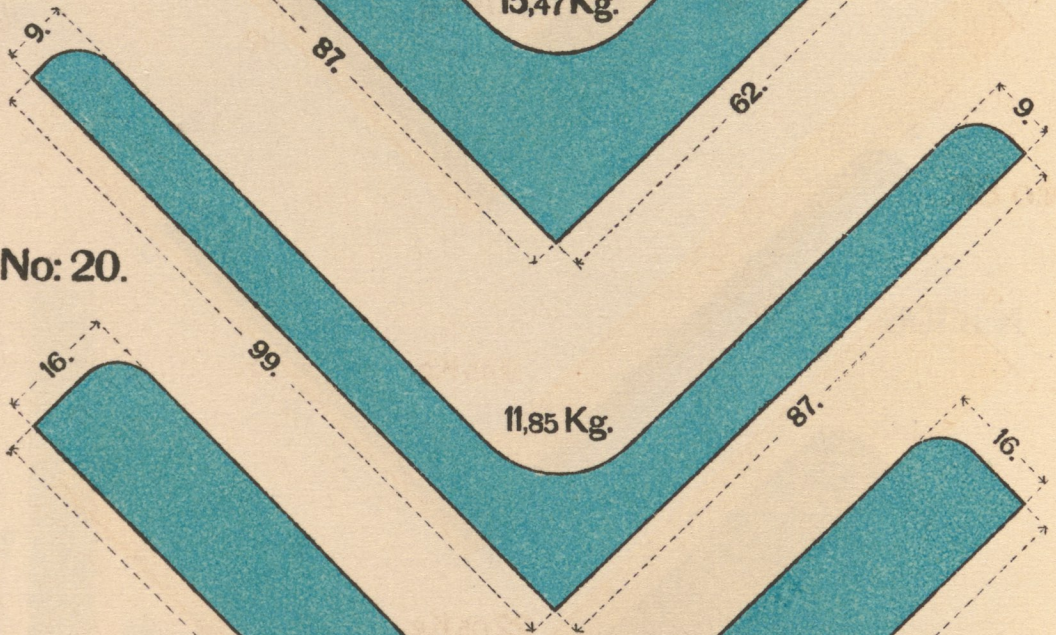
No: 21.



10,22 Kg.

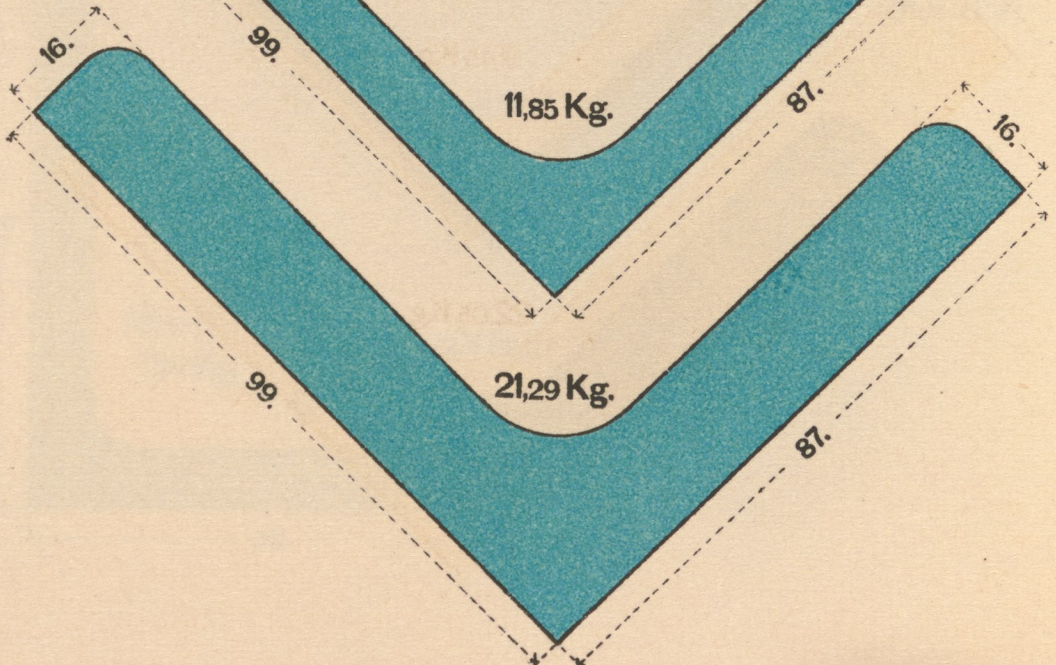
15,47 Kg.

No: 20.



11,85 Kg.

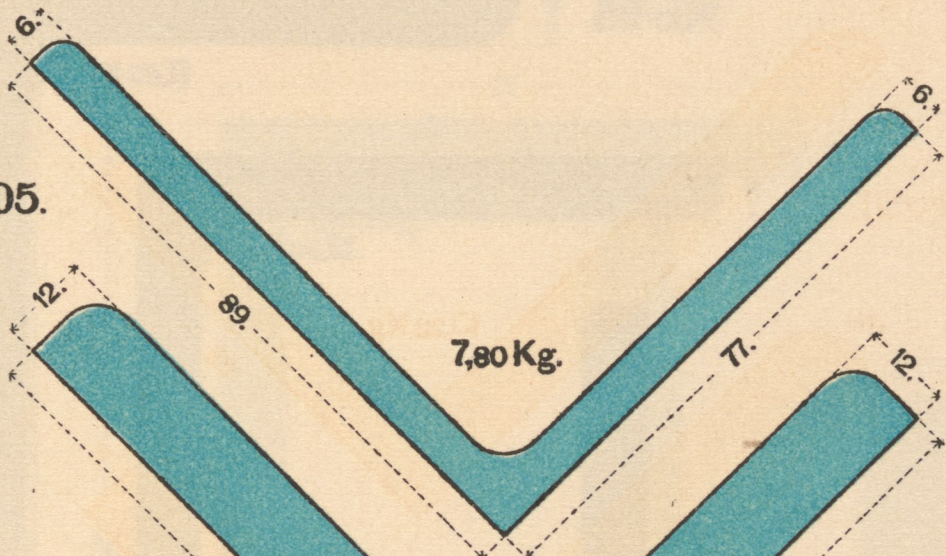
21,29 Kg.



99.

87.

N:o 105.

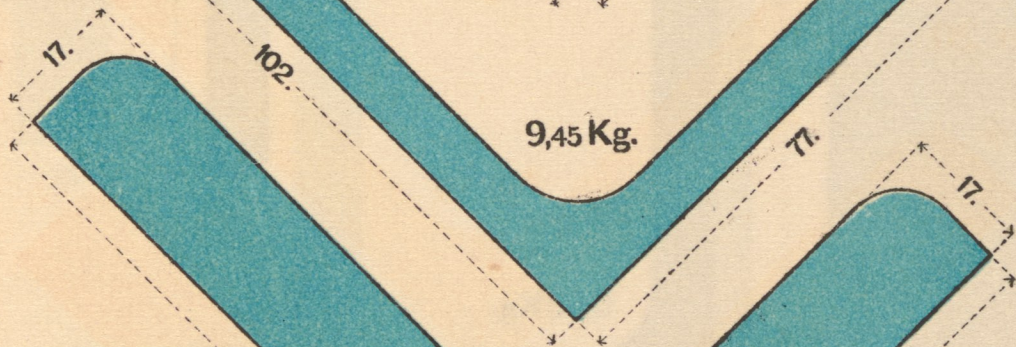


7,80 Kg.

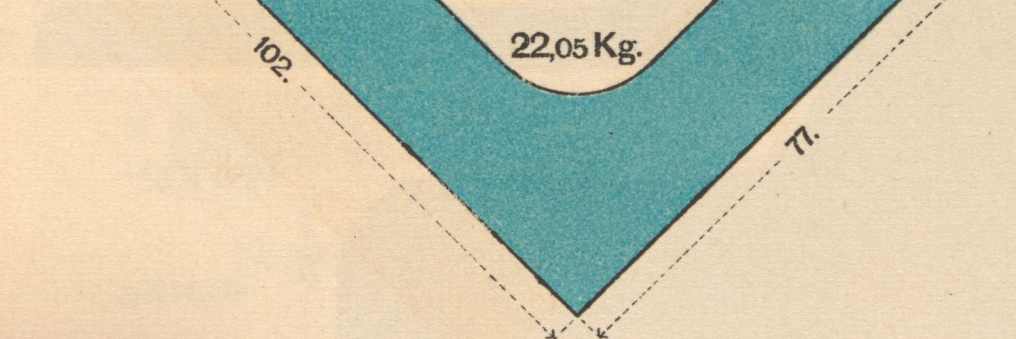
N:o 86.



15,76 Kg.



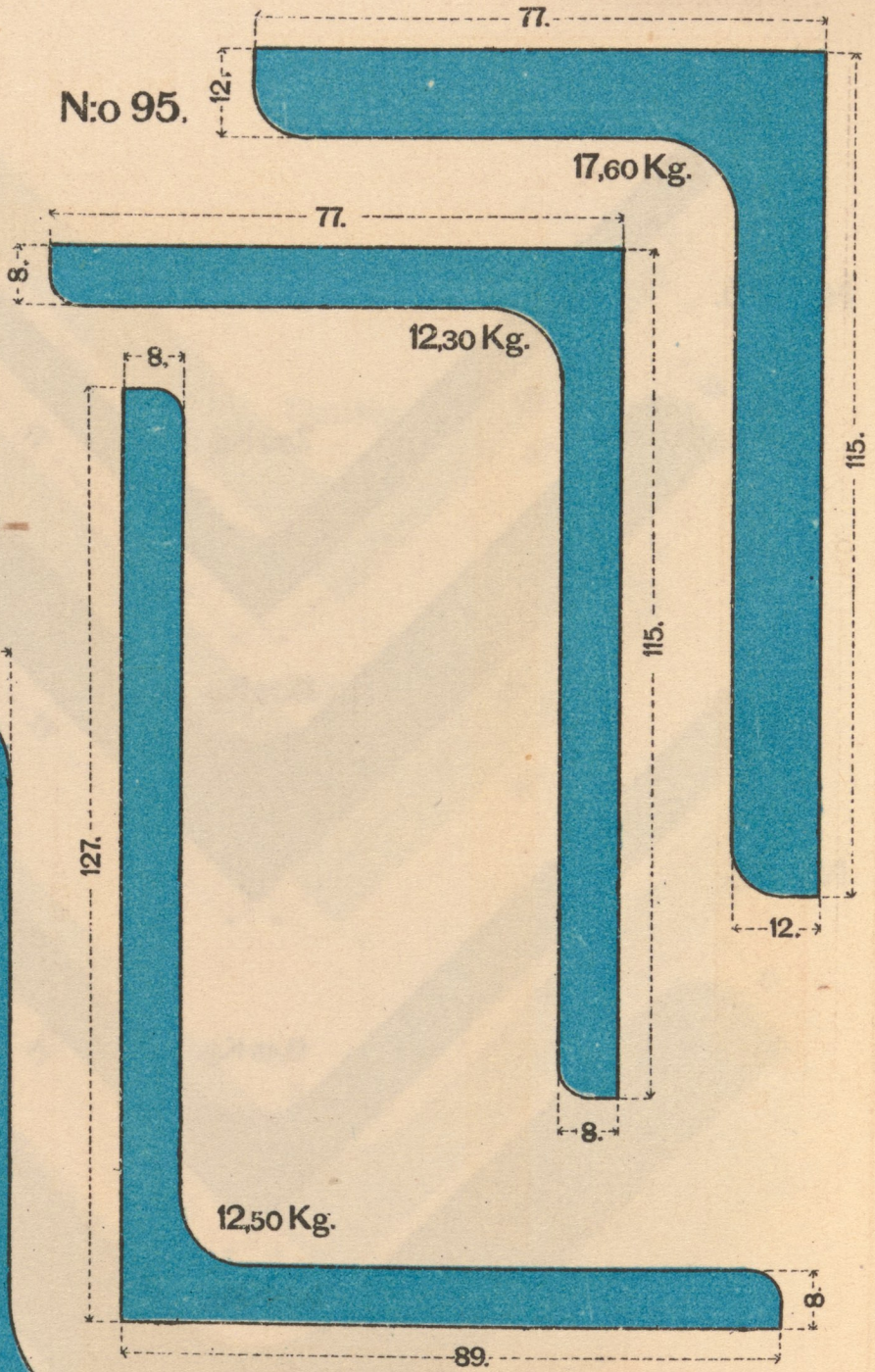
9,45 Kg.



22,05 Kg.

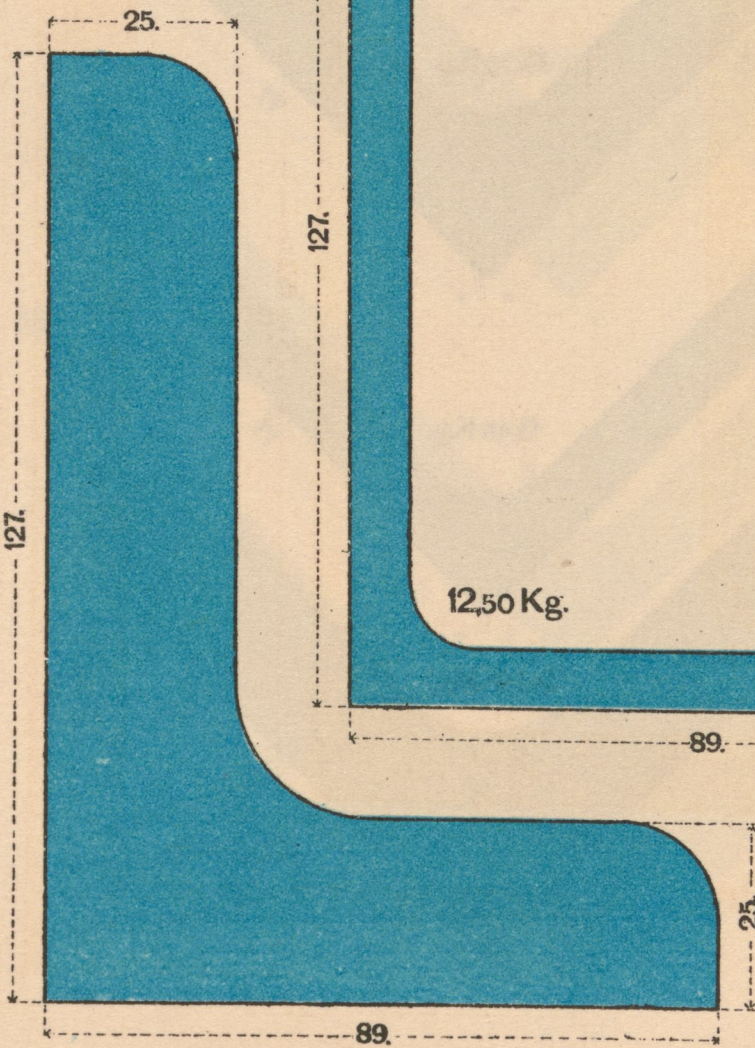
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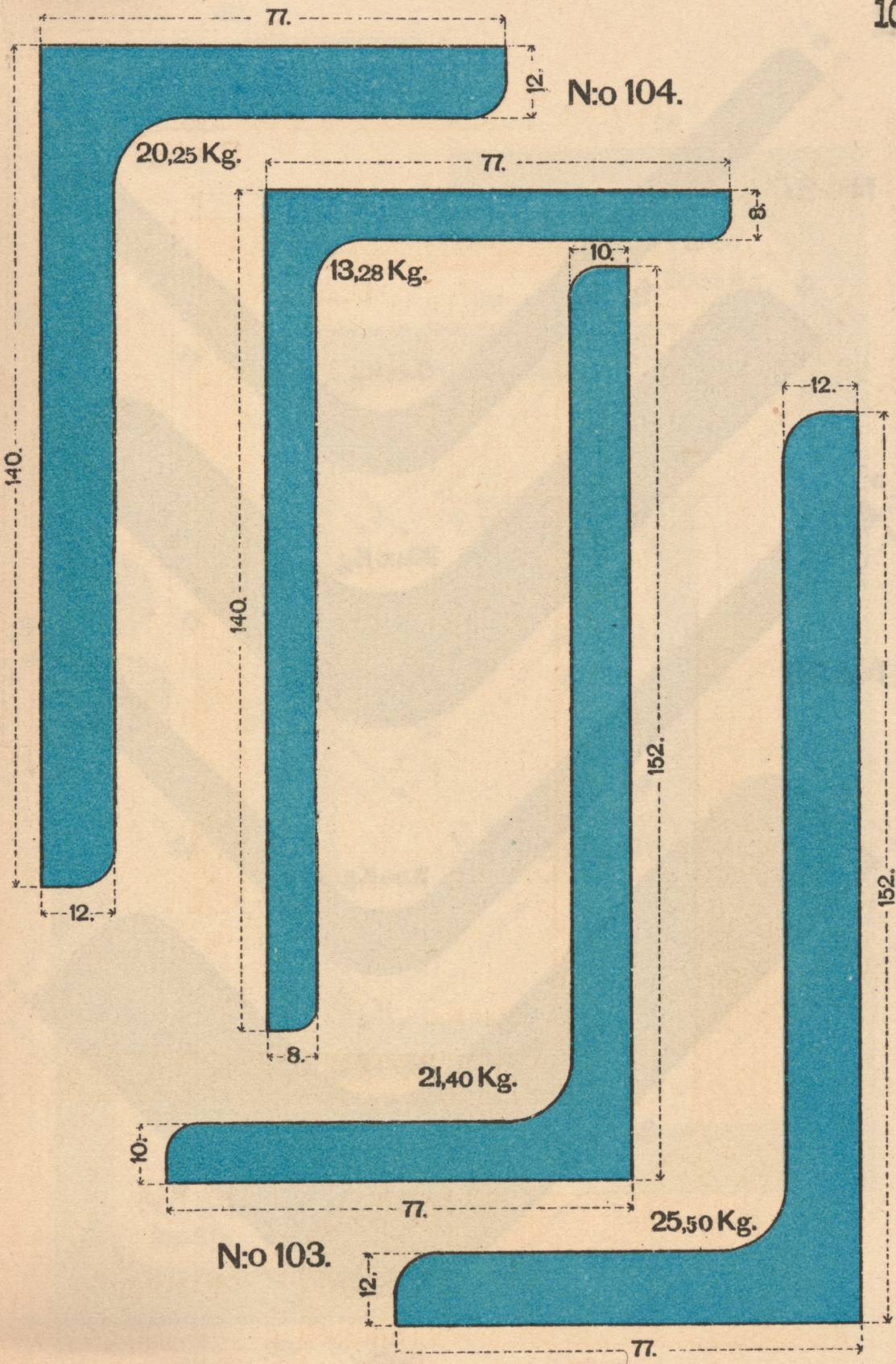
N:o 95.



N:o 102.

40,34 Kg.





N:o 104.

20,25 Kg.

13,28 Kg.

21,40 Kg.

25,50 Kg.

N:o 103.

140.

140.

152.

152.

77.

77.

77.

77.

12.

12.

8.

10.

8.

10.

12.

12.

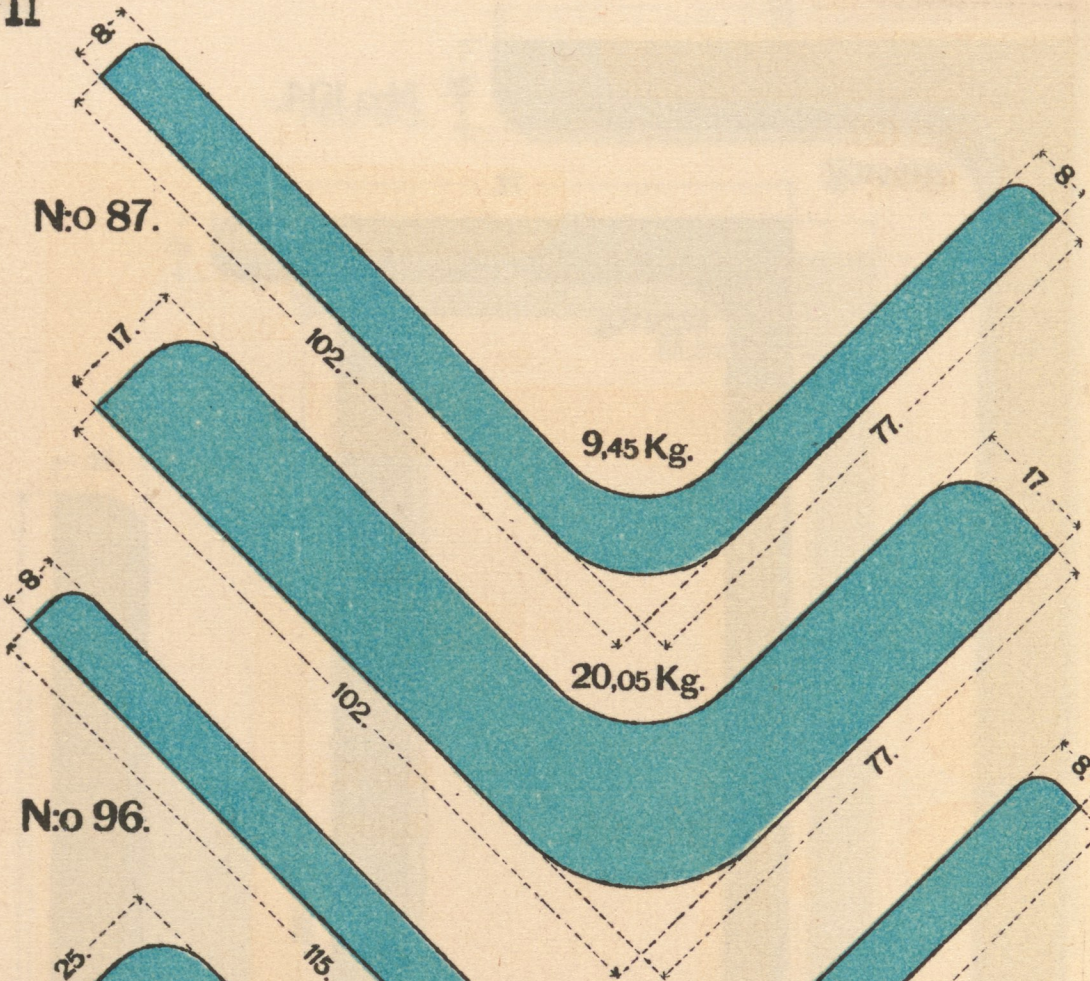
8.

g.

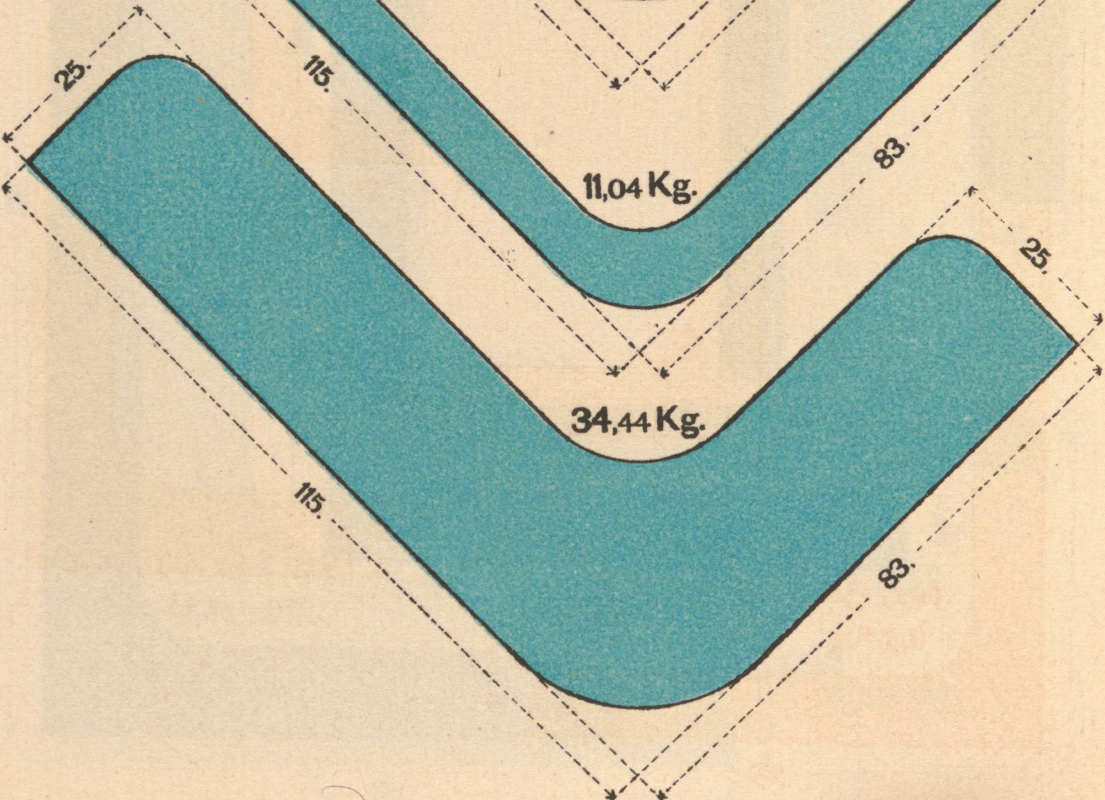
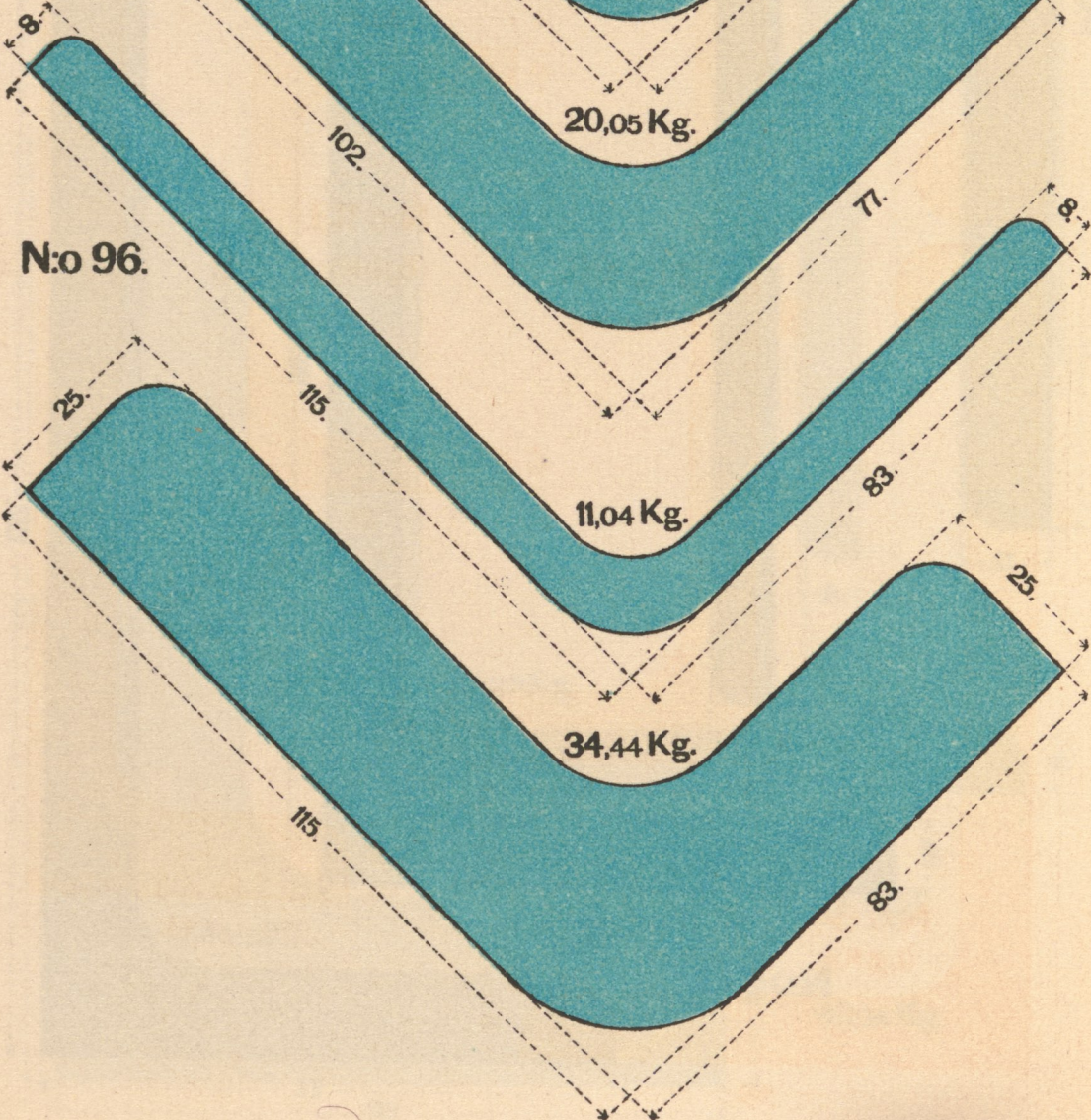
g.

11

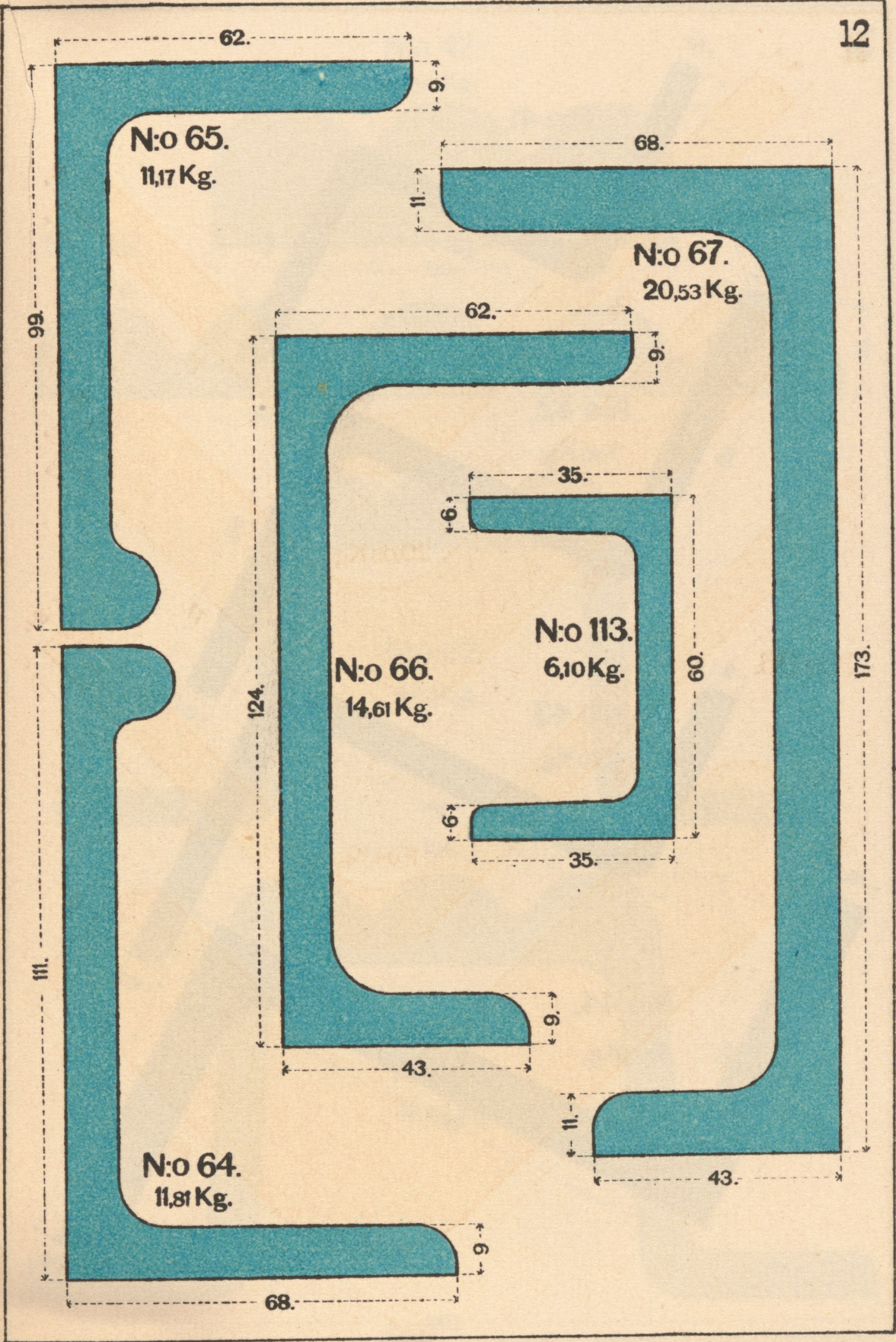
N:o 87.



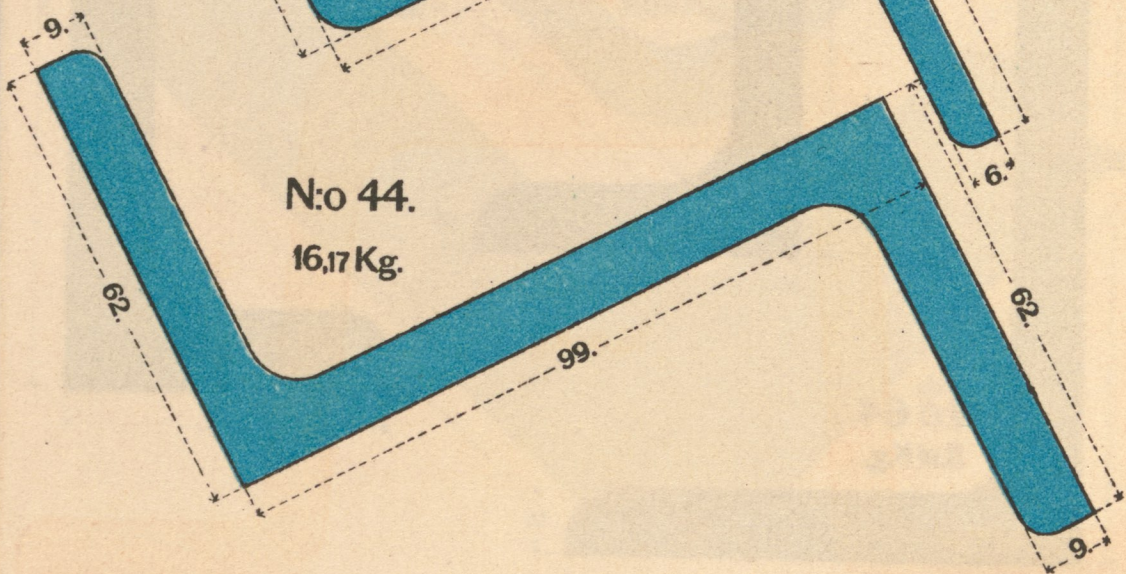
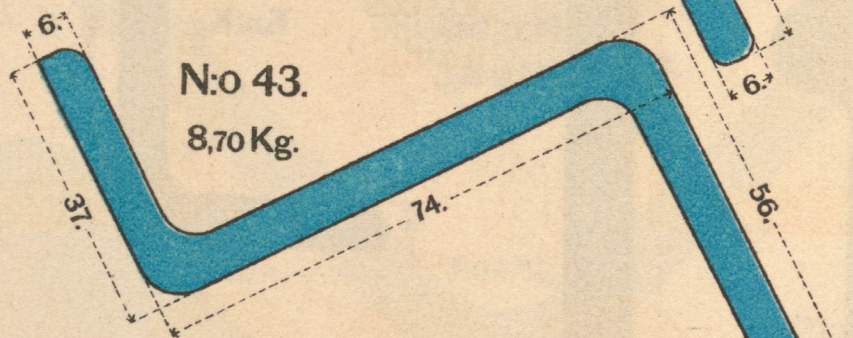
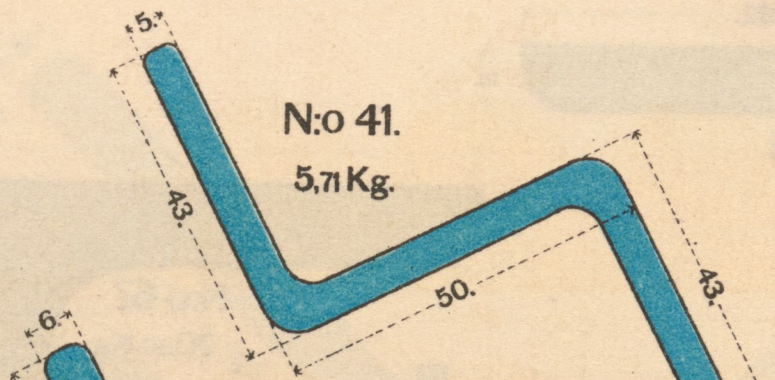
N:o 96.



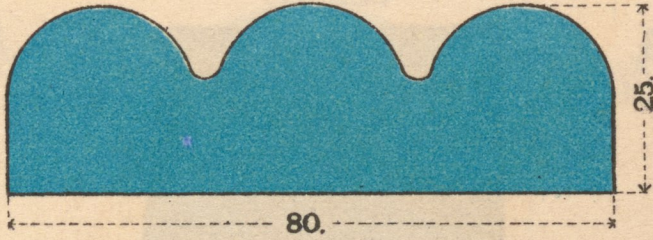
34,44 Kg.



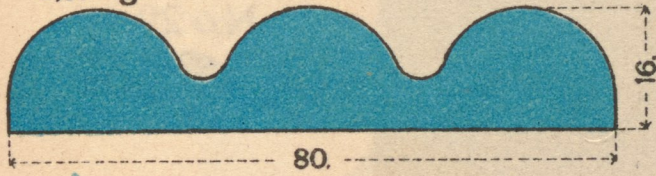
13



N:o 47.
12,97 Kg.



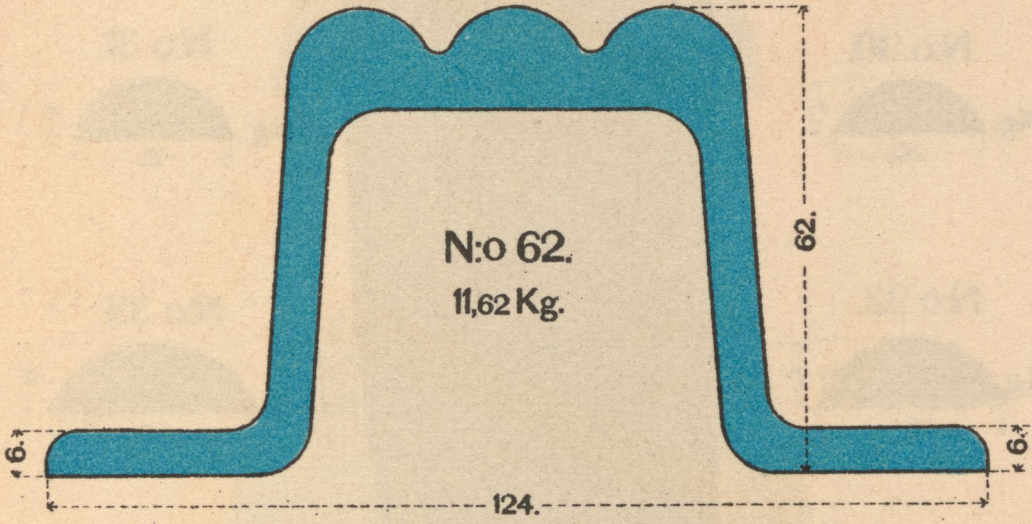
N:o 46.
6,87 Kg.



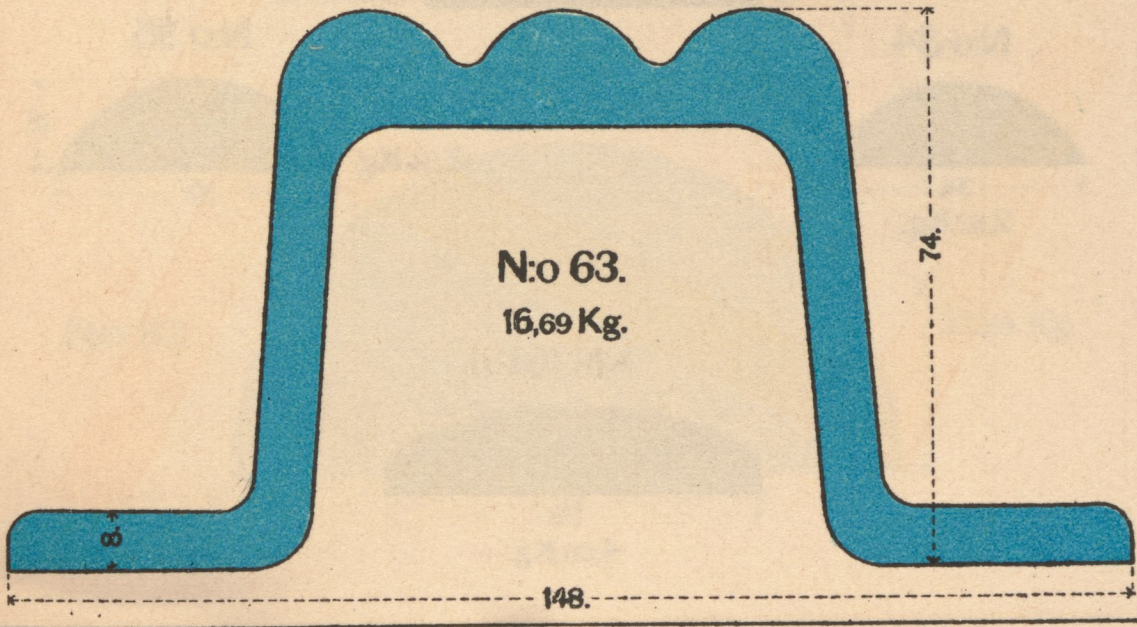
N:o 45.
5,10 Kg.



N:o 62.
11,62 Kg.



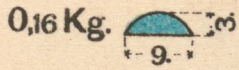
N:o 63.
16,69 Kg.



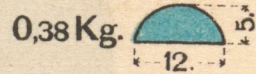
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N:o 97.

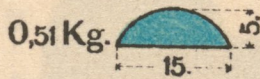
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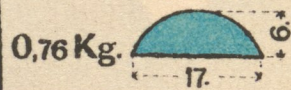
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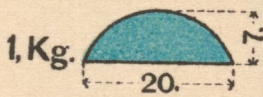
N:o 28.



N:o 29.

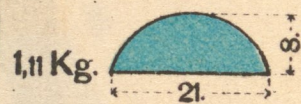


N:o 30.



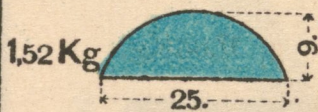
43.
C=42,11 Kg.

N:o 31.

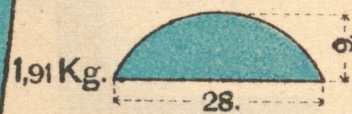


49.
C=49,69 Kg.

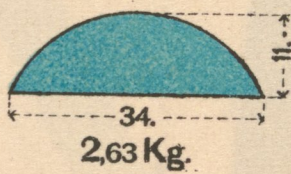
N:o 32.



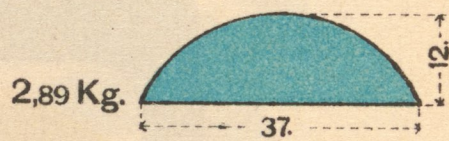
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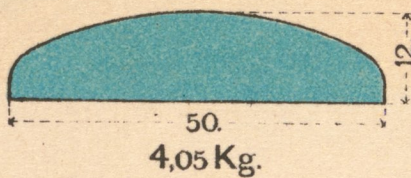
N:o 34.



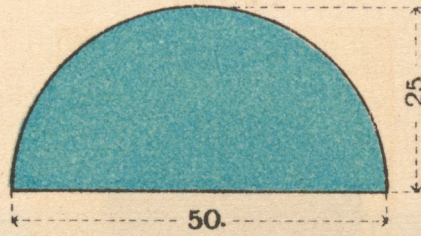
N:o 35.



N:o 101.

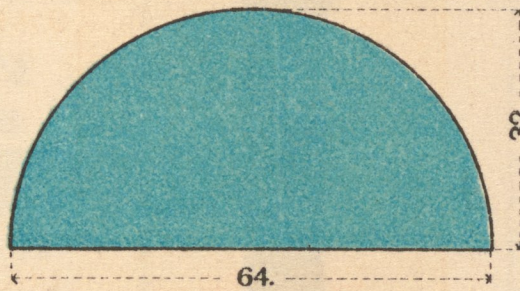


N:o 35a.



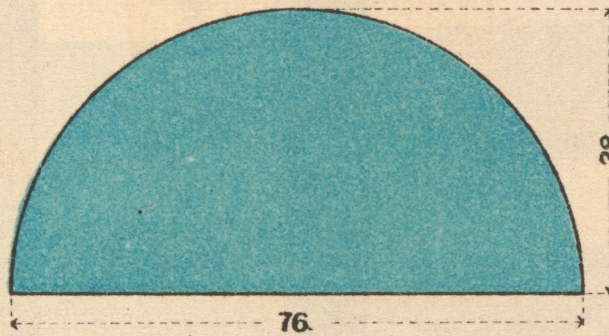
7,80 Kg.

N:o 100.



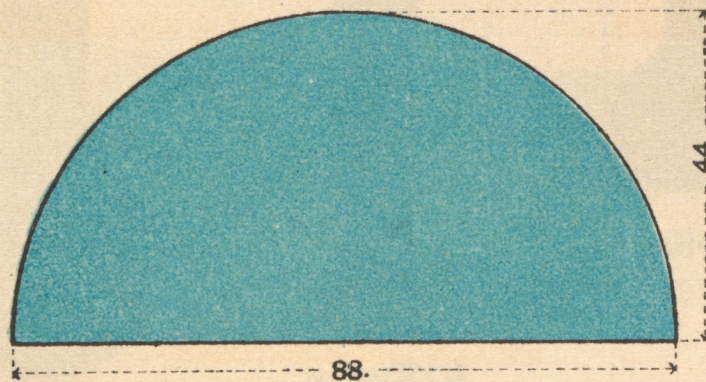
12,22 Kg.

N:o 81.

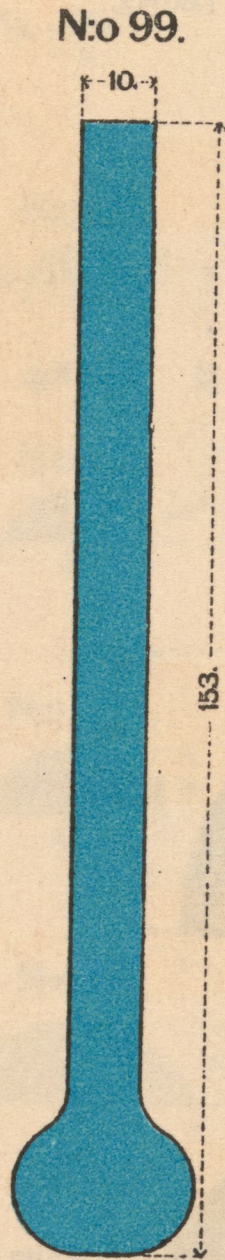


17,66 Kg.

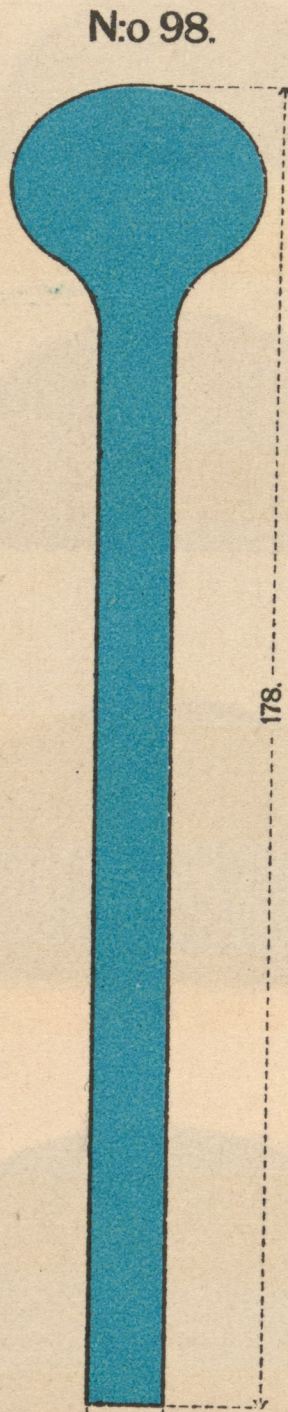
N:o 82.



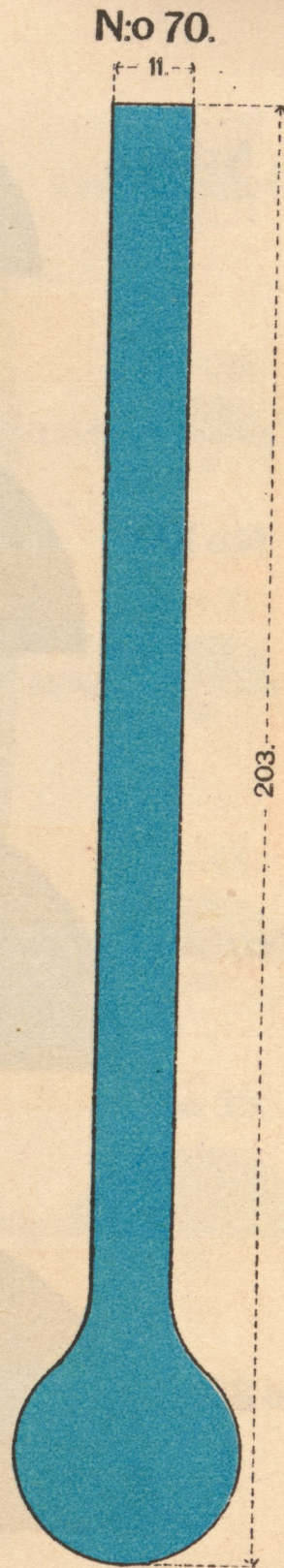
23,89 Kg.



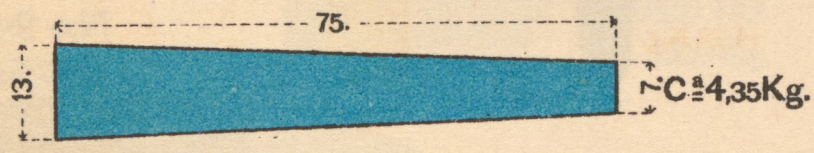
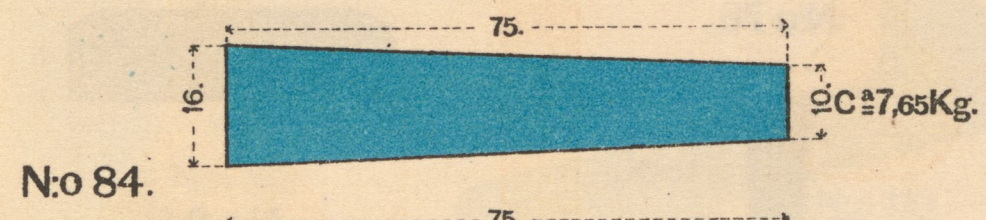
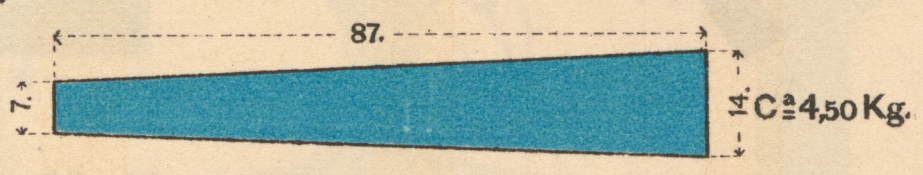
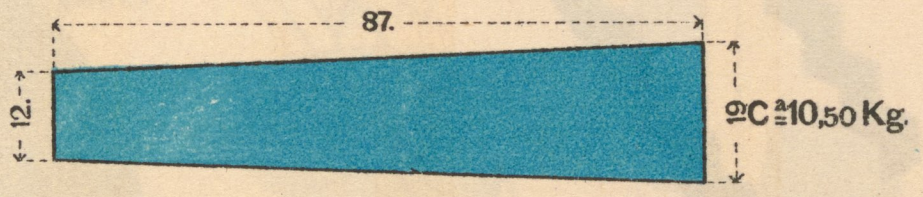
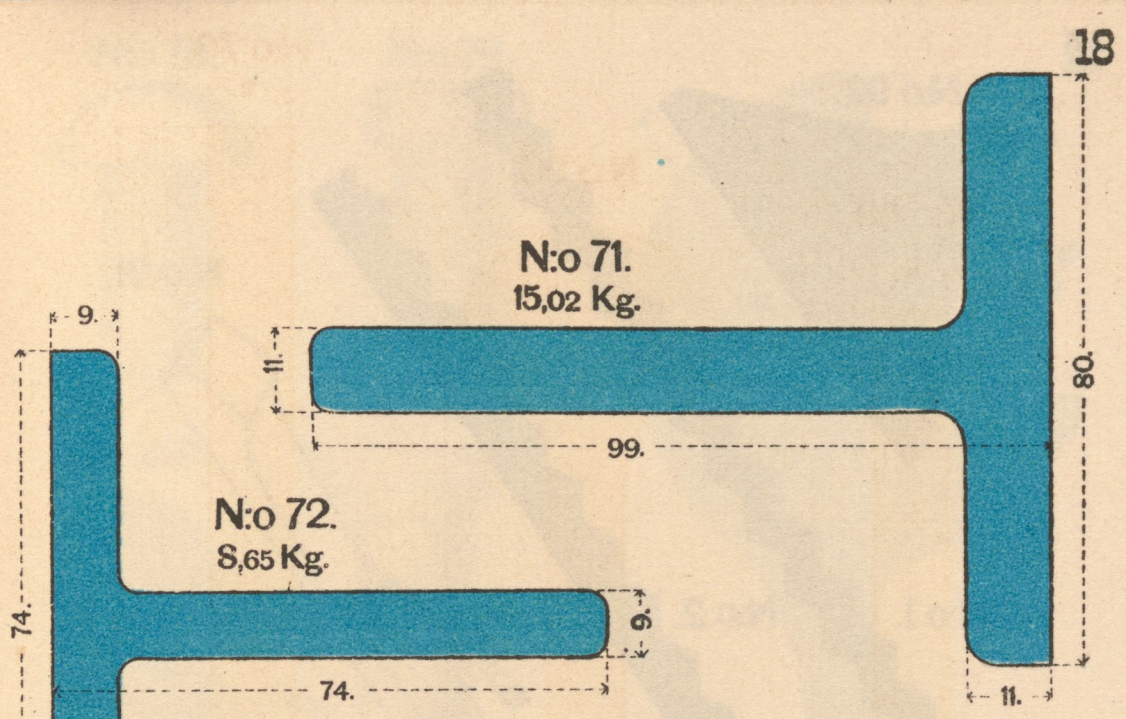
14,28 Kg.



C ≈ 17,24 Kg.



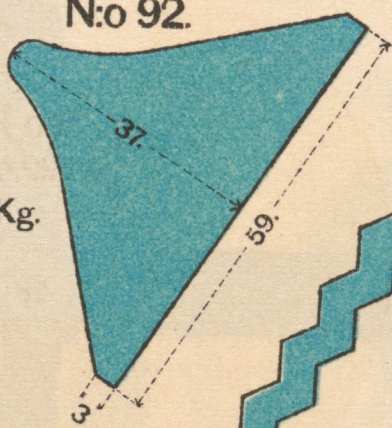
C ≈ 20,23 Kg.



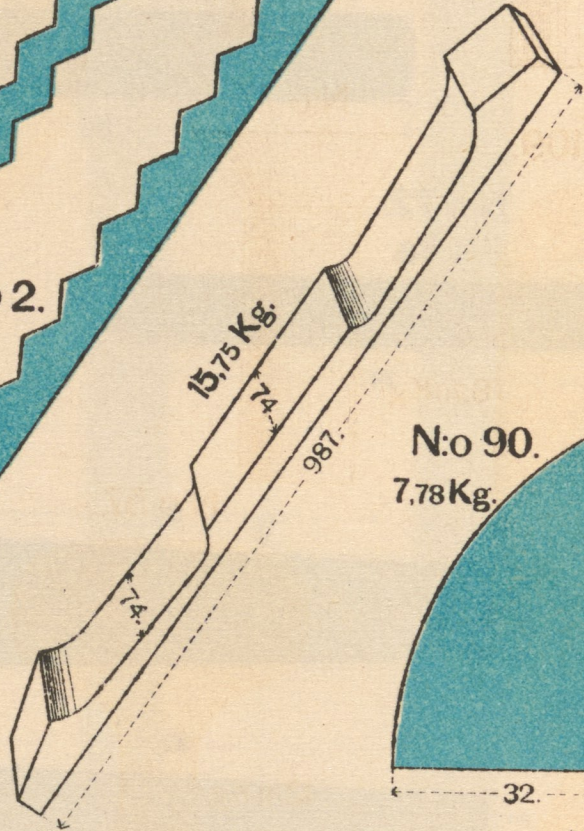
19

N:o 92.

9 Kg.

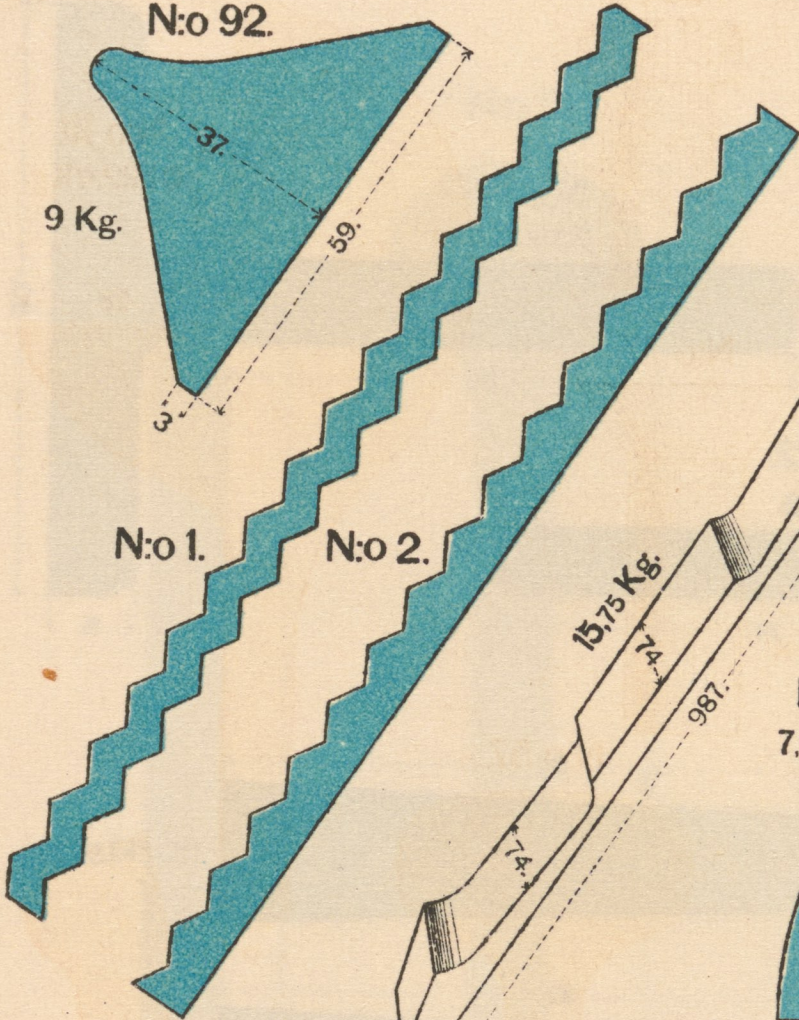


N:o 91.

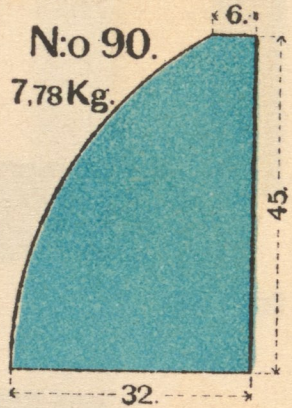


N:o 1.

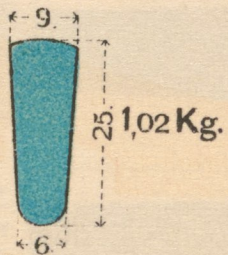
N:o 2.



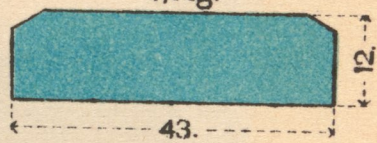
N:o 90.
7,78 Kg.



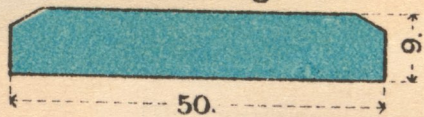
N:o 76.



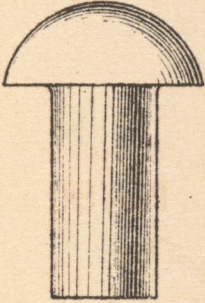
N:o 93.
4, Kg.



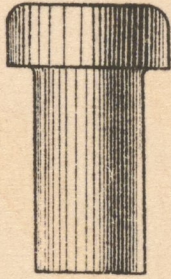
N:o 94.
3,42 Kg.



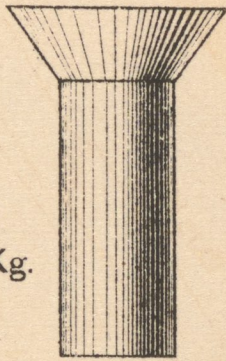
N:o 78.



N:o 79.



N:o 77.

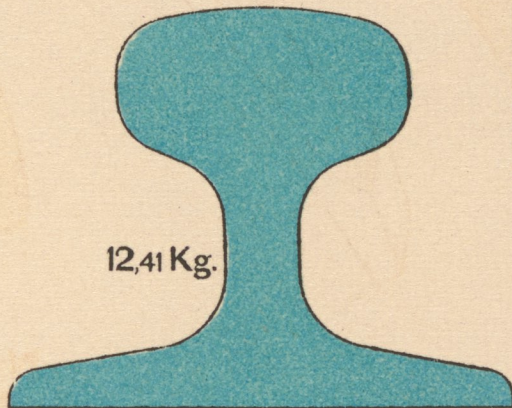


N:o 109.

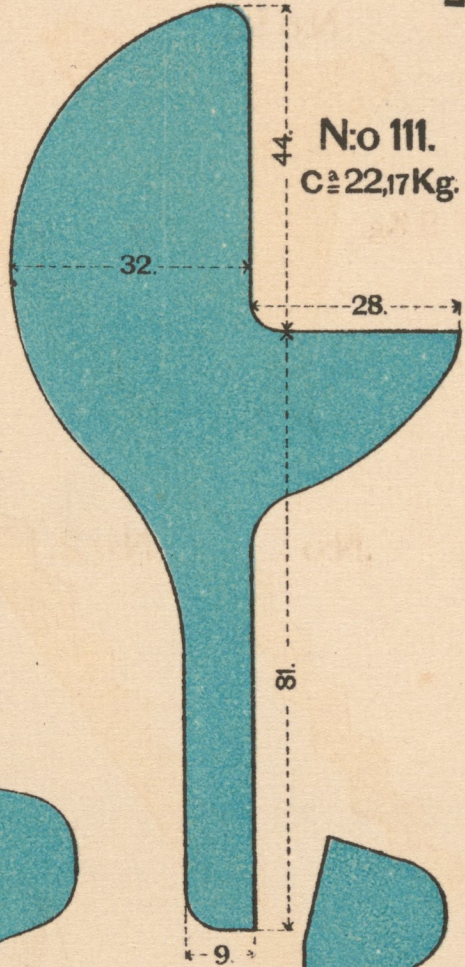


8,76Kg.

N:o 57.

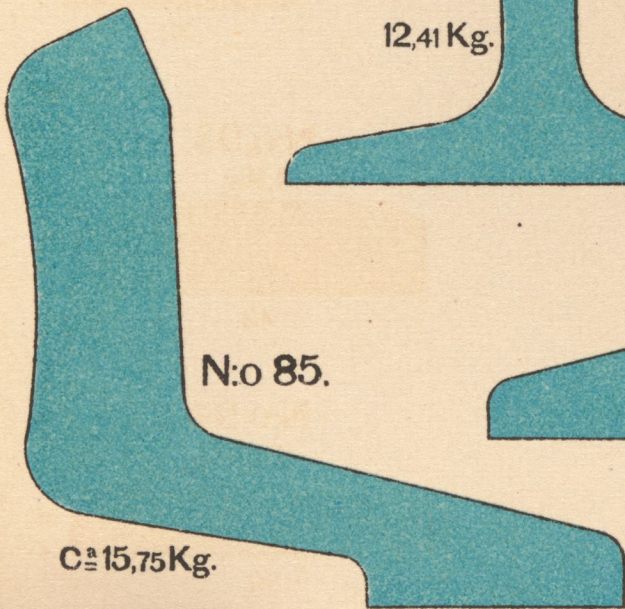


12,41Kg.



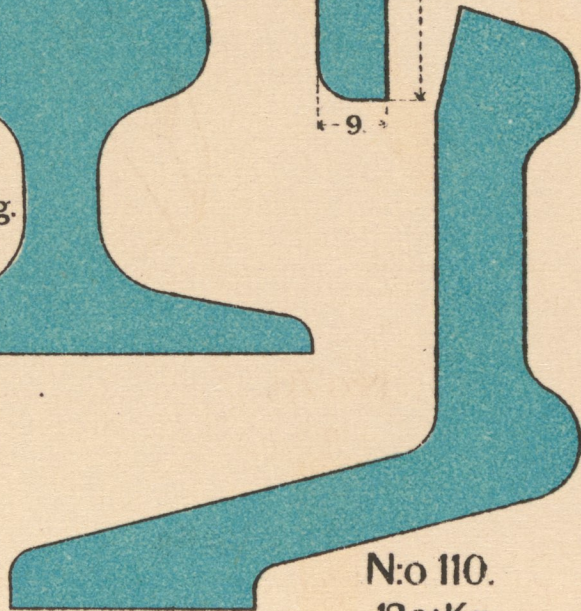
N:o 111.
C ≈ 22,17Kg.

N:o 85.



C ≈ 15,75Kg.

N:o 110.
12,24Kg.



TABELLER

Diam
Area

TABELLER.

(Utan förbindelse).



Diametern i *m/m* i kvadrat $\times 0,0062 = \text{kg. pr meter.}$

Arean i kvadratmillimeter $\times 0,00785 = \text{kg. } \gg \gg$



A.

Tabell utvisande största storlek af

Tjocklek i m.m.	Bredd i							
	300	400	500	600	700	800	900	1000
1	3200	2800	2400	2000	1900	1500	1400	—
2	4700	4300	3900	3500	3100	2700	2600	2200
3	5300	5200	5000	4700	4600	4200	3800	3500
4	5300	5300	5200	5000	4700	4400	4100	3800
5	5900	5900	5900	5900	5700	5300	5300	4700
6	8900	8900	8900	8900	8400	7400	7400	6600
7	8900	8900	8900	8900	8600	7700	7700	6800
8	10300	10300	10300	10300	10300	10300	8900	7800
9	10300	10300	10300	10300	10300	10300	10300	8600
10	10300	10300	10300	10300	10300	10300	10300	8600
11	11800	11800	11800	11800	11800	11800	11800	9800
12	11800	11800	11800	11800	11800	10800	10300	8600
13	11800	11800	11800	11800	11800	10400	8900	8200
14	10300	10300	10300	10300	10300	9900	8900	7800
15	8900	8900	8900	8900	8900	8100	7700	6400
16	8900	8900	8900	8900	8900	8000	7000	6200
17	8900	8500	8100	7700	7300	6900	6500	6100
18	8300	7700	7500	7400	7300	6600	6200	5800
19	8300	7700	7400	7400	7300	6600	6200	5800
20	8000	7600	7400	7400	7000	6600	6200	5800
21	7700	7400	7200	7100	6700	6300	5900	5500
22	7700	7400	7200	7100	6700	6300	5900	5500
23	7400	7400	7200	7100	6700	6300	5900	5200
24	7400	7100	7100	7000	6600	6200	5800	5100
25	7000	6800	7000	6900	6500	6100	5700	5000

plåtar, som kunna valsas vid Motala.

millimeter							Vigt per qv.-m. i kg.	Tjocklek i m.m.
1100	1200	1300	1400	1500	1600	1700 à 1780		
---	---	---	---	---	---	Endast runda plåtar, 6 m.m. tjocka och deröfver.	7,85	1
---	---	---	---	---	---		15,70	2
---	---	---	---	---	---		23,55	3
---	---	---	---	---	---		31,40	4
4300	3500	3100	2700	2300	1900		39,25	5
5600	4700	3900	3100	2600	2200		47,10	6
5900	5000	4000	3200	2600	2200		54,95	7
6600	5300	4500	3700	2900	2500		62,80	8
7400	6200	5000	4000	3200	2500		70,65	9
7400	6200	5000	4000	3200	2500		78,50	10
8300	7000	5900	4700	3500	2800		86,35	11
7400	6200	3100	4300	3500	2800		94,20	12
7200	6000	4900	4000	3500	2800		102,05	13
7000	5900	4800	4000	3500	2800		109,40	14
6000	5600	4500	3700	3200	2800		117,75	15
5900	5300	4500	3500	3200	2800		125,60	16
5700	5000	4300	3300	2900	2500		133,45	17
5400	4700	4300	3300	2900	2500		141,30	18
5400	4700	4000	3300	2600	2500		149,15	19
5400	4700	4000	3300	2600	2500		157,00	20
5100	4700	4000	3300	2600	2200		164,85	21
5100	4700	4000	3300	2600	2200		172,70	22
5100	4700	4000	3300	2600	2200		180,55	23
4700	4300	3600	3200	2500	2100		188,40	24
4600	4100	3500	3100	2300	2000		196,25	25

B. Hörnjern med skarpt hörn.

N:o	Dimen- sion i m.m.		Vigt i kg. per m.	N:o	Dimen- sion i m.m.		Vigt i kg. per m.	N:o	Dimen- sion i m.m.		Vigt i kg. per m.
	Öfver sida	Tjocklek			Öfver sida	Tjocklek			Öfver sida	Tjocklek	
11	19	2	0,55	6	51	6	4,20	4	76	14	15,03
		3	0,77			8	5,45			16	17,50
10	25	3	1,10			10	7,15	3	87	8	10,08
		4	1,46			12	8,93			10	12,44
9	31	3	1,32	5	64	6	5,51			12	14,60
		5	2,20			8	6,93			15	18,77
8	37	3	1,65			10	8,67			21	26,48
		5	3,30			12	11,03			112	100
7	43	3	1,90	4	76	6	6,56			12	16,43
		6	3,75			8	8,72			15	20,53
		9	5,72			10	11,06			20	27,38
6	51	4	2,97			12	13,28			24	32,86

BB.

Hörnjern med skarpt hörn.

N:o	Dimen- sion i verkt.		Vigt i skålp. per långfot	N:o	Dimen- sion i verkt.		Vigt i skålp. per långfot	N:o	Dimen- sion i verkt.		Vigt i skålp. per långfot
	Öfver sida	Tjocklek			Öfver sida	Tjocklek			Öfver sida	Tjocklek	
11	$3/4$	$3/32$	0,44	6	2	$1/4$	3,03	4	3	$9/16$	10,42
		$1/8$	0,54		} (eng.)	$5/16$	3,71		} (eng.)	$5/8$	11,39
10	1	$1/8$	0,77			$7/16$	5,39	3		$3^{1/2}$	$5/16$
		$3/16$	1,17			$1/2$	6,45			$7/16$	9,38
9	$1^{1/4}$	$1/8$	0,92	5	$2^{1/2}$	$1/4$	3,98			$1/2$	10,05
		$7/32$	1,66		} (eng.)	$5/16$	4,72			$5/8$	13,53
8	$1^{1/2}$	$1/8$	1,15			$7/16$	6,54			$7/8$	19,11
		$7/32$	2,48			$1/2$	7,96	112	4	$7/16$	8,96
7	$1^{3/4}$	$1/8$	1,33	4	3	$1/4$	4,73			$1/2$	11,35
		$1/4$	3,87		} (eng.)	$5/16$	6,79			$5/8$	14,81
		$3/8$	4,90			$7/16$	8,34			$13/16$	18,72
6	2	$3/16$	2,39			$1/2$	9,58			1	23,62

C.

Hörnjern med rundt hörn.

99

N:o	Dimen- sion i m.m.		Vigt i kg. per m.	N:o	Dimen- sion i m.m.		Vigt i kg. per m.	N:o	Dimen- sion i m.m.		Vigt i kg. pr m.
	Öfver sida	Tjocklek			Öfver sida	Tjocklek			Öfver sida	Tjocklek	
12	19	2	0,55	16	43	6	3,61	18	62	12	10,05
		3	0,83			8	4,43				
13	25	3	1,04	17	50	9	4,98	17	74	12	12,61
		5	1,62			8	5,67			14	14,84
14	31	4	1,66	18	62	9	6,37	18	74	12	10,05
		6	2,45			11	7,40				
15	37	6	3,09	18	62	9	7,63	18	74	12	10,05
		8	3,82			11	9,21				

CC.

Hörnjern med rundt hörn.

N:o	Dimen- sion i verkt.		Vigt i skålp. per längdfot	N:o	Dimen- sion i verkt.		Vigt i skålp. per längdfot	N:o	Dimen- sion i verkt.		Vigt i skålp. per längdfot
	Öfver sida	Tjocklek			Öfver sida	Tjocklek			Öfver sida	Tjocklek	
12	$\frac{3}{4}$	$\frac{3}{32}$	0,44	16	$1\frac{3}{4}$	$\frac{1}{4}$	2,60	18	$2\frac{1}{2}$	$\frac{1}{2}$	7,25
		$\frac{1}{8}$	0,57			$\frac{5}{16}$	3,02	19	3	$\frac{7}{16}$	7,39
13	1	$\frac{1}{8}$	0,73			$\frac{3}{8}$	3,59			$\frac{1}{2}$	9,10
		$\frac{7}{32}$	1,22	17	2	$\frac{5}{16}$	3,76			$\frac{9}{16}$	10,28
14	$1\frac{1}{4}$	$\frac{3}{16}$	1,33			$\frac{3}{8}$	4,59				
		$\frac{1}{4}$	1,77			$\frac{7}{16}$	5,08				
15	$1\frac{1}{2}$	$\frac{1}{4}$	2,23	18	$2\frac{1}{2}$	$\frac{3}{8}$	5,51				
		$\frac{5}{16}$	2,54			$\frac{7}{16}$	6,31				

Vigt i kg. pr m.

10,05

9,83

12,61

14,84

D.

Balk- och Spantjern.

89

N:o	Jernsort	Dimension i m.m.		Vigt i kg. per m.
		Öfver sida	Tjocklek	
113	Balkjern.....	60 × 35 × 35	6	5,50
65	»	99 × 62	9	11,17
64	»	111 × 68	9	11,81
66	»	124 × 62 × 43	9	14,61
67	»	173 × 68 × 43	11	20,53
88	Spantjern	32 × 22	2	0,93
	»	»	3	1,30
25	»	37 × 31	4,5	2,18
	»	»	6	3,00
24	»	50 × 37	5	3,16
	»	»	8	4,66
23	»	62 × 43	6	5,08
	»	»	9	7,01
108	»	72 × 60	8	7,57
22	»	74 × 56	6	6,06
	»	»	8	8,09
	»	»	10	10,11
	»	»	12	12,13
	»	»	14	14,15

DD.

Balk- och Spantjern.

N:o	Jernsort	Dimension i verktum		Vigt i skålp. pr längdf.
		Öfver sida	Tjocklek	
113	Balkjern.....	$2^{7/16} \times 1^{7/16} \times 1^{7/16}$	$1/4$	3,97
65	»	$4 \times 2^{1/2}$	$3/8$	8,05
64	»	$4^{1/2} \times 2^{3/4}$	$3/8$	8,51
66	»	$5 \times 2^{1/2} \times 1^{3/4}$	$3/8$	10,52
67	»	$7 \times 2^{3/4} \times 1^{3/4}$	$7/16$	14,12
88	Spantjern	$1^{1/4} \times 7/8$ (eng.)	$3/32$	0,75
	»	»	$1/8$	0,89
25	»	$1^{1/2} \times 1^{1/4}$	$3/16$	1,58
	»	»	$1/4$	2,20
24	»	$2 \times 1^{1/2}$	$7/32$	2,42
	»	»	$5/16$	3,15
23	»	$2^{1/2} \times 1^{3/4}$	$1/4$	3,64
	»	»	$3/8$	5,00
108	»	$2^{29/32} \times 2^{13/32}$	$5/16$	5,02
22	»	$3 \times 2^{1/4}$	$1/4$	4,37
	»	»	$5/16$	5,37
	»	»	$7/16$	7,62
	»	»	$1/2$	8,75
	»	»	$9/16$	9,81

E.

Balk- och Spantjern.

N:o	Jernsort	Dimensioner i m.m.		Vigt i kg. per m.
		Öfver sida	Tjocklek	
106	Spantjern.....	77 × 64	6	5,93
	»	»	8	7,91
	»	»	11	10,74
	»	»	13	12,69
107	»	87 × 50	8	9,40
	»	»	10	10,70
	»	»	12	12,10
21	»	87 × 62	9	10,22
	»	»	12	13,06
	»	»	14	15,47
105	»	89 × 77	6	7,80
	»	»	8	10,63
	»	»	10	13,13
	»	»	12	15,76
20	»	99 × 87	9	11,85
	»	»	12	15,81
	»	»	14	18,50
	»	»	16	21,29

EE.

Balk- och Spantjern.

N:o	Jernsort	Dimensioner i verktum		Vigt i skälp. pr längdf.
		Öfver sida	Tjocklek	
106	Spantjern.....	$3 \times 2\frac{1}{2}$ (eng.)	$\frac{1}{4}$	4,28
	»	»	$\frac{5}{16}$	5,25
	»	»	$\frac{7}{16}$	7,38
	»	»	$\frac{1}{2}$	8,38
107	»	$3\frac{1}{2} \times 2$	$\frac{5}{16}$	6,24
	»	»	$\frac{7}{16}$	8,07
	»	»	$\frac{1}{2}$	8,73
21	»	$3\frac{1}{2} \times 2\frac{1}{2}$	$\frac{3}{8}$	7,22
	»	»	$\frac{1}{2}$	9,43
	»	»	$\frac{9}{16}$	10,75
105	»	$3\frac{1}{2} \times 3$ (eng.)	$\frac{1}{4}$	5,67
	»	»	$\frac{5}{16}$	7,05
	»	»	$\frac{7}{16}$	9,90
	»	»	$\frac{1}{2}$	11,35
20	»	$4 \times 3\frac{1}{2}$	$\frac{3}{8}$	8,50
	»	»	$\frac{1}{2}$	11,41
	»	»	$\frac{9}{16}$	12,85
	»	»	$\frac{5}{8}$	14,75

F.

Balk- och Spantjern.

N:o	Jernsort	Dimensioner i m.m.		Vigt i kg. per m.
		Öfver sida	Tjocklek	
86	Spantjern.....	102 × 77	8	9,45
	»	»	10	11,81
	»	»	12	15,57
	»	»	14	18,76
	»	»	17	22,05
87	»	»	8	9,45
	»	»	10	11,81
	»	»	12	15,57
	»	»	14	18,16
	»	»	17	22,05
95	»	115 × 77	8	12,30
	»	»	10	14,95
	»	»	12	17,60
96	»	115 × 83	8	11,04
	»	»	10	13,80
	»	»	12	16,56
	»	»	15	21,70
	»	»	20	27,75
	»	»	25	34,44

FF.

Balk- och Spantjern.

N:o	Jernsort	Dimensioner i verktum		Vigt i skålp. pr längd.
		Öfver sida	Tjocklek	
86	Spantjern.....	4 × 3 (eng.)		5/16 6,42
	»	»		7/16 8,91
	»	»		1/2 11,24
	»	»		9/16 13,01
	»	»		11/16 15,40
87	»	»	Rundt hörn	5/16 6,42
	»	»		7/16 8,91
	»	»		1/2 11,24
	»	»		9/16 13,01
	»	»		11/16 15,40
95	»	4 ¹ / ₂ × 3 (eng.)		5/16 8,37
	»	»		7/16 11,27
	»	»		1/2 12,70
96	»	4 ¹ / ₂ × 3 ¹ / ₄ (eng.)	Rundt hörn	5/16 7,52
	»	»		7/16 10,41
	»	»		1/2 11,95
	»	»		5/8 15,66
	»	»		13/16 19,75
	»	»		1 23,76

G.

Balk- och Spantjern.

.99

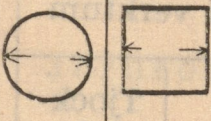
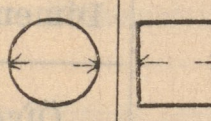
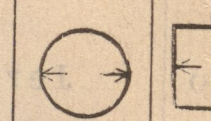

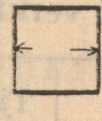
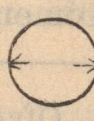
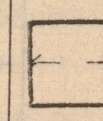
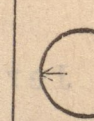

N:o	Jernsort	Dimensioner i m.m.		Vigt i kg. per m.
		Öfver sida	Tjocklek	
102	Spantjern.....	127 × 89	8	12,50
	»	»	10	15,59
	»	»	12	19,62
	»	»	14	22,91
	»	»	16	26,30
	»	»	22	35,50
	»	»	25	40,34
104	»	140 × 77	8	13,28
	»	»	10	17,20
	»	»	12	20,25
103	»	152 × 77	10	21,40
	»	»	12	25,50
99	Bulbjern..	153	10	14,28
98	»	178	10	17,24
70	»	203	11	20,23

GG.



Balk- och Spantjern.

N:o	Jernsort	Dimensioner i verktum		Vigt i skålp. pr längdf.
		Öfver sida	Tjock- lek	
102	Spantjern.....	$5 \times 3\frac{1}{2}$ (eng.)	$\frac{5}{16}$	8,51
	»	»	$\frac{7}{16}$	11,76
	»	»	$\frac{1}{2}$	14,17
	»	»	$\frac{9}{16}$	15,86
	»	»	$\frac{5}{8}$	18,67
	»	»	$\frac{7}{8}$	24,46
	»	»	1	27,84
104	»	$5\frac{1}{2} \times 3$ (eng.)	$\frac{5}{16}$	9,04
	»	»	$\frac{7}{16}$	12,97
	»	»	$\frac{1}{2}$	14,62
103	»	6×3 (eng.)	$\frac{7}{16}$	21,40
	»	»	$\frac{1}{2}$	25,50
99	Bulbjern.....	6 (eng.)	$\frac{3}{8}$	9,97
98	»	7 (eng.)	$\frac{3}{8}$	11,82
70	»	8 (eng.)	$\frac{7}{16}$	14,10

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

Diameter i m.m.			Diameter i m.m.			Diameter i m.m.		
								
5	0,19	—	28	4,76	6,13	70	—	38,32
6	0,22	0,28	30	5,40	7,04	72	31,34	—
7	0,34	0,38	32	6,36	8,00	75	34,05	43,98
8	0,38	0,50	34	7,08	9,04	78	36,90	—
9	0,51	0,63	36	7,84	10,13	80	—	50,05
10	0,67	0,78	38	8,99	11,29	81	39,84	—
11	0,73	0,95	40	9,84	12,51	84	42,90	—
12	0,90	1,13	42	10,74	13,79	85	—	56,50
13	1,11	1,32	44	11,93	15,13	87	46,07	—
14	1,20	1,53	46	13,05	—	90	51,08	63,34
15	1,42	1,76	47	—	17,27	93	52,76	—
16	1,51	2,00	48	13,61	—	95	53,89	70,58
17	1,77	2,26	50	15,12	19,55	99	59,90	—
18	2,04	2,53	53	17,03	22,80	100	—	78,20
19	2,15	2,82	54	—	22,80	105	67,49	86,22
20	2,46	3,12	56	19,05	24,52	111	75,64	—
21	2,77	3,45	58	—	26,30	118	84,83	—
22	2,91	3,78	59	21,19	—	124	93,82	—
23	3,35	4,14	62	23,43	—	136	113,16	—
24	3,64	4,50	63	23,80	31,22	148	134,42	—
25	—	4,89	66	26,24	—			
26	4,19	5,27	69	28,73	—			

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Diameter		
70	—	38,3
72	31,34	—
75	34,05	43,3
78	36,90	—
80	—	50,0
81	39,84	—
84	42,90	—
85	—	56,3
87	46,07	—
90	51,08	63,3
93	52,76	—
95	53,89	70,3
99	59,90	—
100	—	78,3
105	67,49	86,3
111	75,64	—
118	84,83	—
124	93,82	—
136	113,16	—
148	134,42	—

