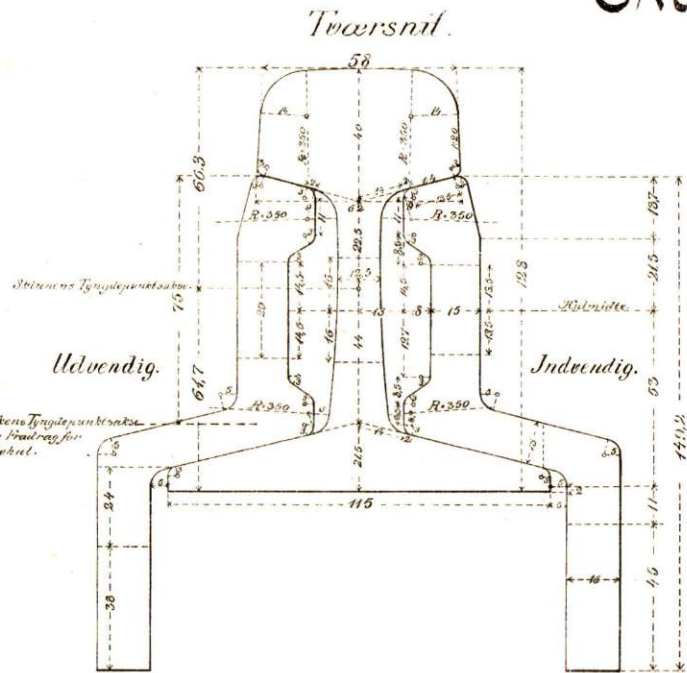
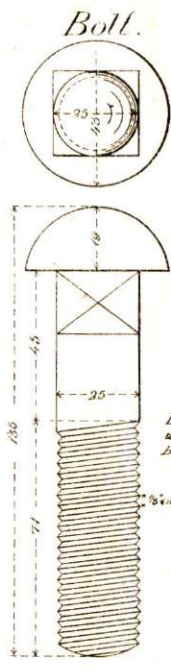


# Skinner med Forbindelsesdele.

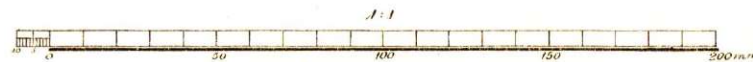
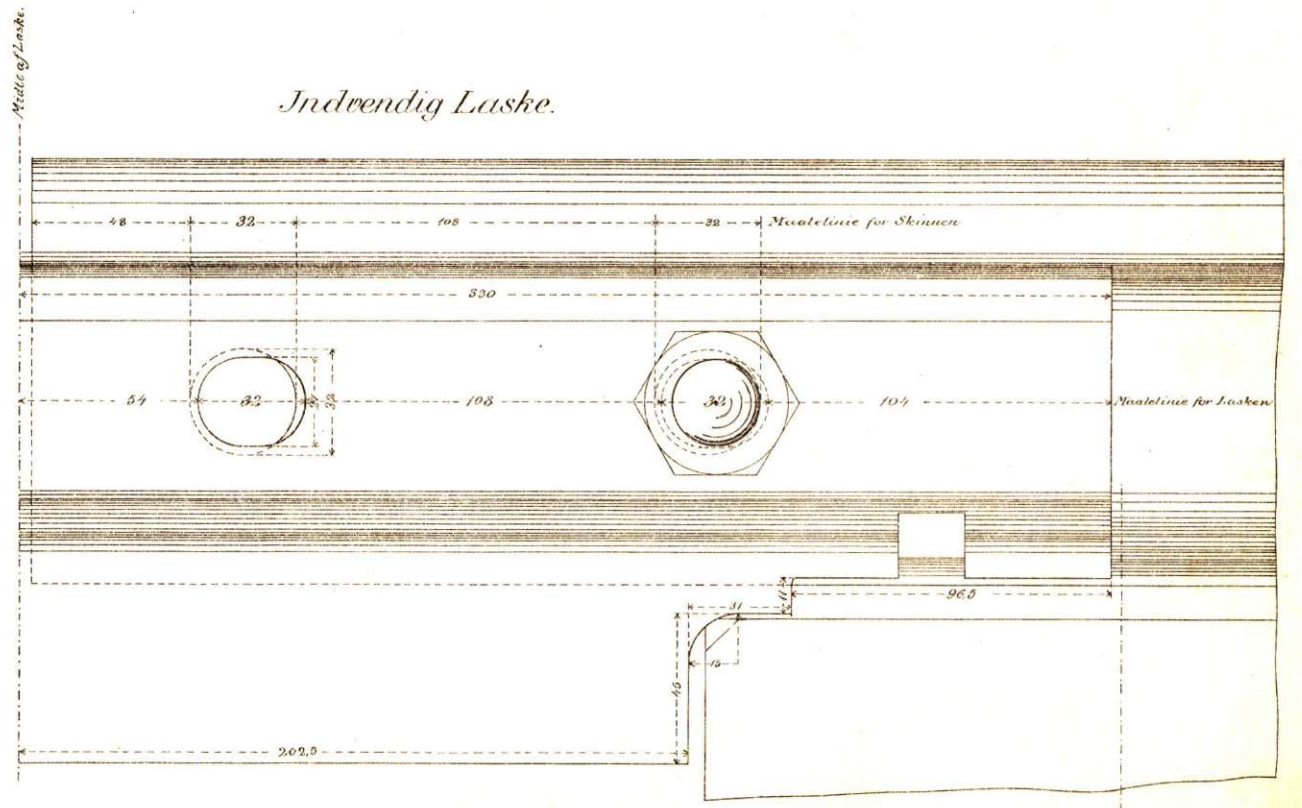
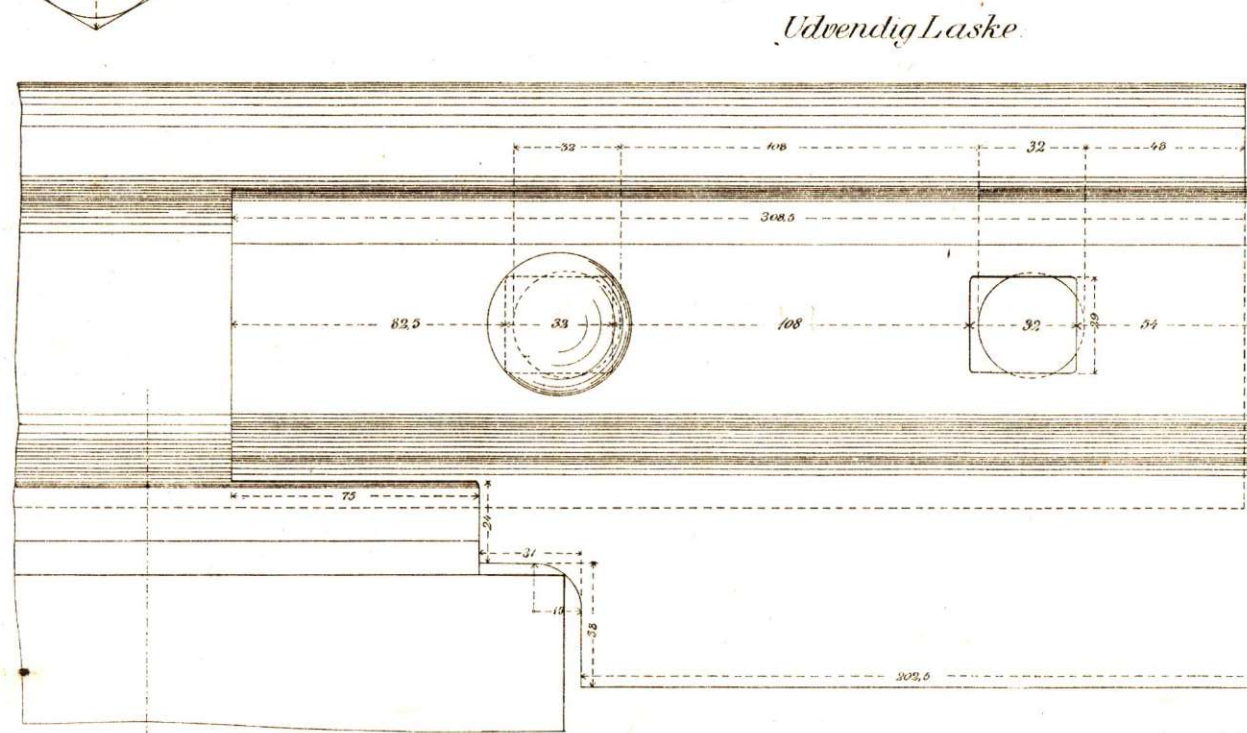
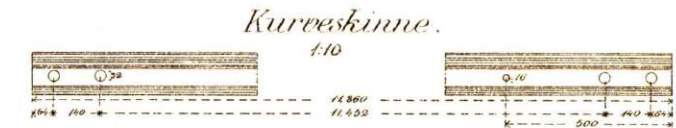
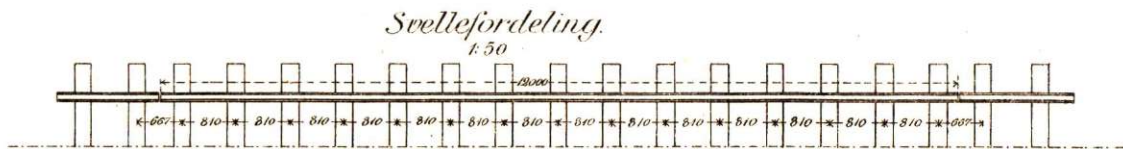
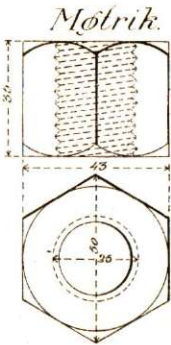
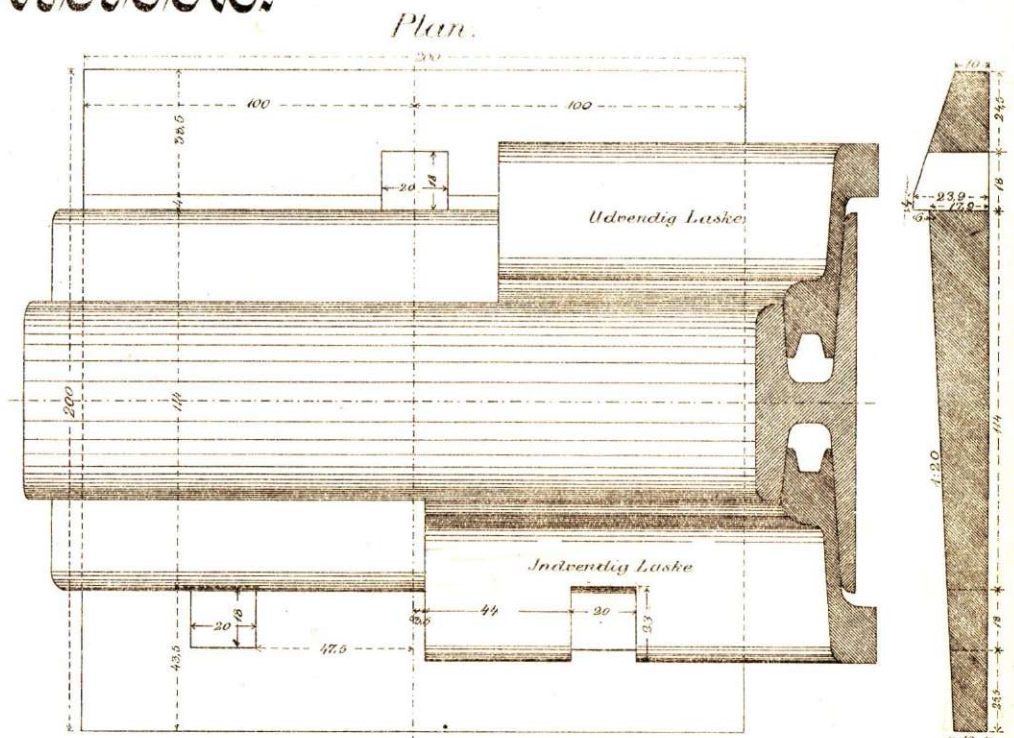


**Materialfortegnelse.**

|                   | Stk.  | Pris   | Bel. | Pris    | Stk.   | Pris   | Bel.   | Pris    |
|-------------------|-------|--------|------|---------|--------|--------|--------|---------|
| Sveller           | 15    | 121,80 |      |         |        |        |        |         |
| Skinner           | 2,25  | 44,300 | 2    | 88,600  | 166,57 | 73,807 | 2,25   | 100,000 |
| Kurvebøjler       | 2,25  | 33,888 |      |         |        |        |        |         |
| Skinner           | 2,70  | 372,00 |      |         |        |        |        |         |
| Skinner           | 3,00  | 333,00 |      |         |        |        |        |         |
| Skinner           | 3,28  | 306,00 |      |         |        |        |        |         |
| Udvendige Laster  | 2,471 | 12,25  | 2    | 24,50   | 166,57 | 2,050  | 2,25   | 27,600  |
| Indvendige Laster | 76,99 | 18,00  | 2    | 26,00   | 166,57 | 2,168  | 2,25   | 24,200  |
| Laskerotte        | 114,1 | 9,90   | 8    | 7,92    | 66,32  | 0,609  | 9,00   | 8,10    |
| Underlagsplader   | 322,7 | 4,40   | 30   | 134,70  | 248,35 | 112,18 | 3,75   | 131,54  |
| Spiger            | 322,7 | 0,31   | 90   | 27,90   | 70,56  | 2,322  | 10,125 | 34,30   |
| <b>Samt ialt.</b> |       |        |      | 110,850 |        | 92,366 |        | 121,784 |

**Styrkeberegning. Varmespillerum.**

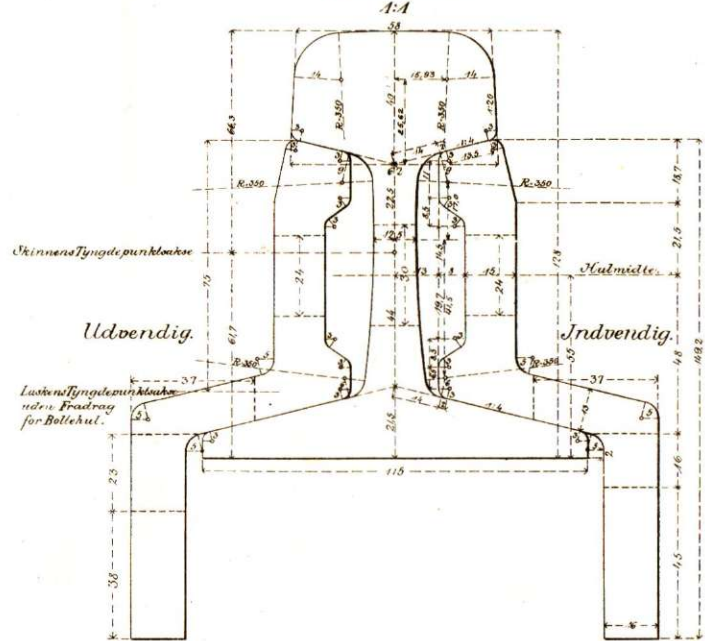
|                      |                       |                      |      |
|----------------------|-----------------------|----------------------|------|
| Tværsnitsareal       | 47,08 cm <sup>2</sup> | 22.000 m Skinner     | 1011 |
| Skinner Inertimoment | 1020 cm <sup>4</sup>  | Curial Sommervejir   | 1011 |
| Modstandsmom         | 154 cm <sup>3</sup>   | Solskjen             | 2    |
| Tværsnitsareal       | 3022 cm <sup>2</sup>  | Køligt Sommervejir   | 4    |
| Laste Inertimoment   | 5023 cm <sup>4</sup>  | Før og Efteraar      | 4    |
| Modstandsmom         | 61,64 cm <sup>3</sup> | Hødt Før og Efteraar | 6    |
| Vandret Tyngdepunkt  | 11,64 cm              | Frost vejir          | 8    |





# Skinner med Forbindelsesdele.

Tværsnit.



Materialfortegnelse. IV Bj Skruenøgle. Soelleskrue.

Vægtfylde = 7,85

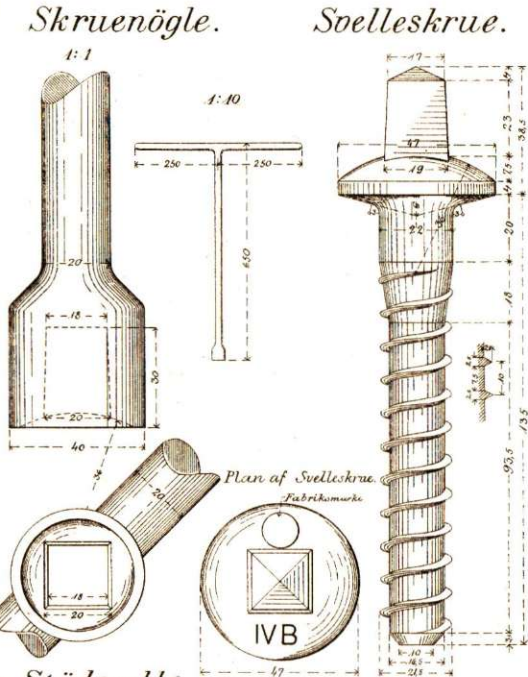
|                   | Pr. l.    | Pr. Sk. | Til. 12 m. Spor | Til. 1 km. Spor | Til. 1 l. Sk. | Til. 1 l. Sk. |
|-------------------|-----------|---------|-----------------|-----------------|---------------|---------------|
|                   | Stk.      | kg.     | Stk.            | kg.             | Stk.          | kg.           |
| Sveller           |           |         | 16              | 1332,66         |               |               |
| Skinner           | 12,000 m. | 2,24    | 446,36          | 2               | 893,18        | 16658         |
| Kurveskinne       | 11,950 m. | 2,25    | 444,70          |                 |               |               |
| "                 | 11,860 m. | 2,27    | 441,33          |                 |               |               |
| Skinner           | 10,000 m. | 2,69    | 372,09          |                 |               |               |
| "                 | 9,000 m.  | 2,99    | 334,83          |                 |               |               |
| "                 | 8,000 m.  | 3,36    | 297,61          |                 |               |               |
| Udvendige Lasker  | 8628      | 11,59   | 2               | 23,16           | 46,58         | 1931          |
| Indvendige Lasker | 8842      | 11,51   | 2               | 22,62           | 46,58         | 1804          |
| Laskebolte        | 1220      | 0,82    | 8               | 6,56            | 66,632        | 0,546         |
| Underlagsplader   | 188,36    | 5,31    | 32              | 489,92          | 2665,33       | 4,153         |
| Svellskrue        | 2127,6    | 0,47    | 95              | 45,12           | 709,534       | 5,788         |
| Spænderinge       | 2127,6    | 0,07    | 8               | 0,58            | 66,632        | 0,031         |
| Vægt ialt:        |           |         |                 | 1160,90         |               | 95,691        |

Styrkeberegning. Varmespillerum.

|                       | Værdi                 |
|-----------------------|-----------------------|
| Tværsnitsareal        | 4708 cm <sup>2</sup>  |
| Inertimoment          | 1020 cm <sup>4</sup>  |
| Modstandsmoment       | 154 cm <sup>3</sup>   |
| Tværsnitsareal        | 29,22 cm <sup>2</sup> |
| Laske Inertimoment    | 462,3 cm <sup>4</sup> |
| Laske Modstandsmoment | 6,16 cm <sup>3</sup>  |

Momenterne er for vandret Tvingepunkter

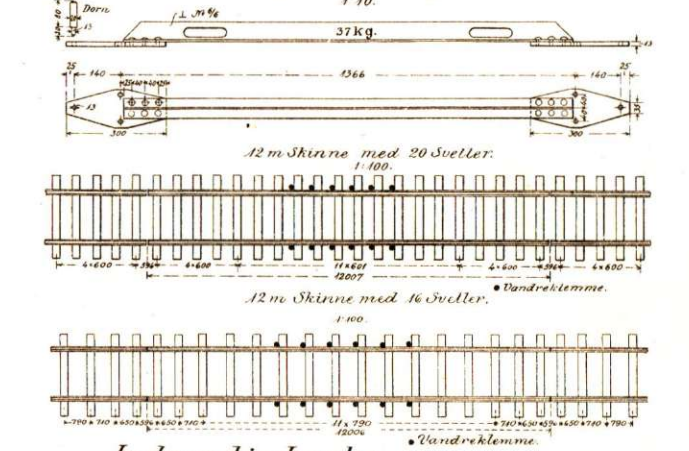
| Temperatur | Spillerum |
|------------|-----------|
|            |           |
|            |           |
|            |           |



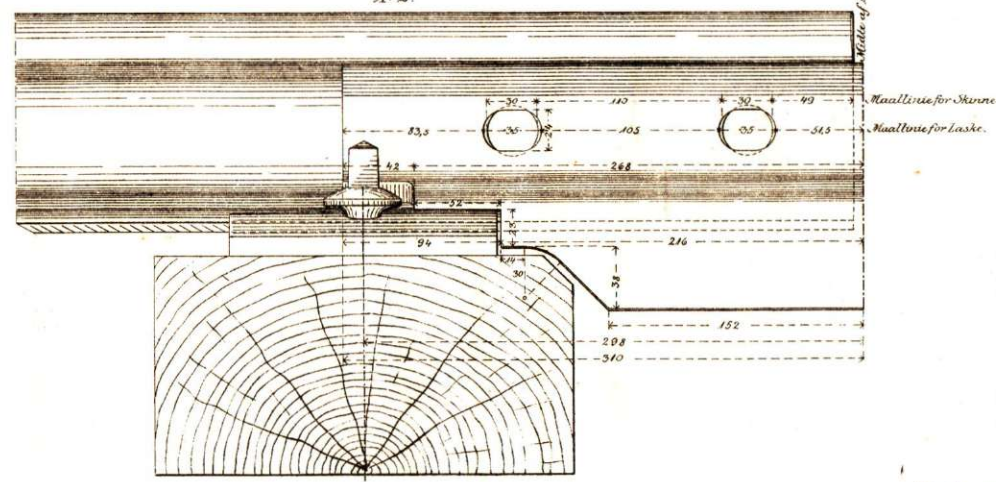
Kurveskinner:



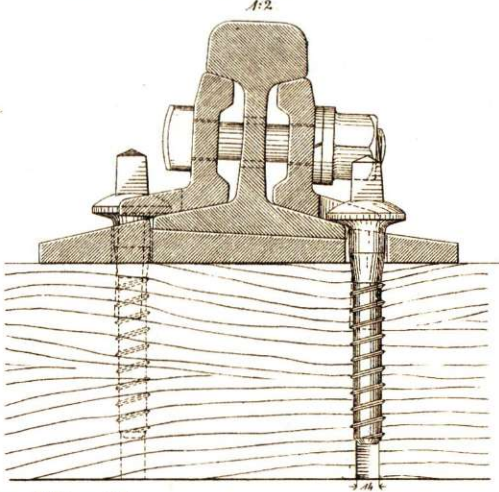
Skabelon for Boring i Sveller.



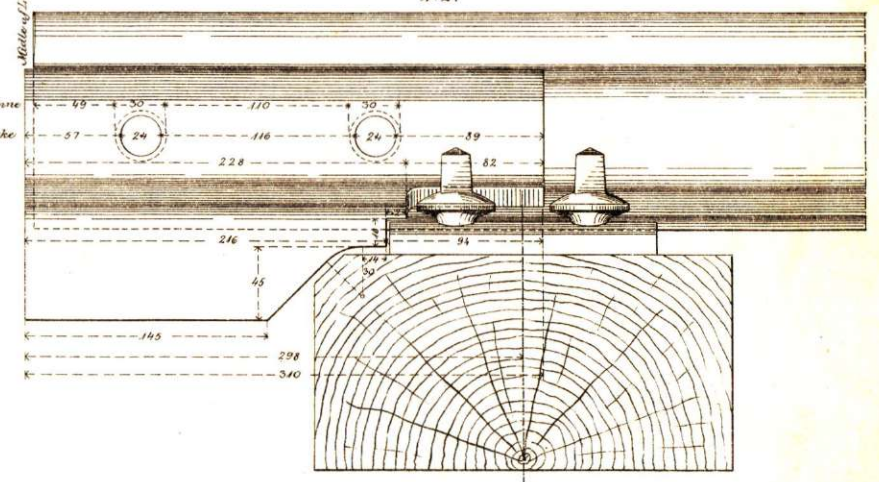
Udvendig Laske.



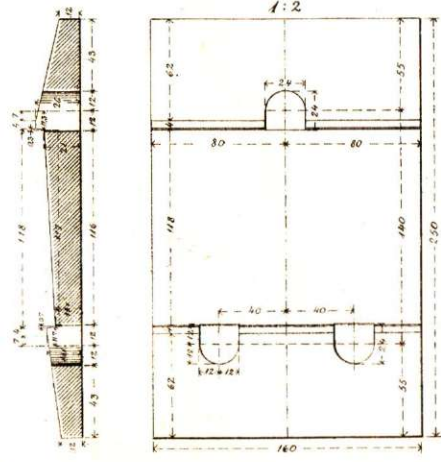
Snit gennem Stødsvelle.



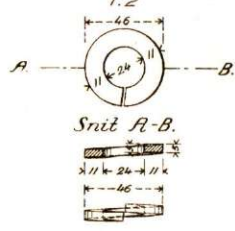
Indvendig Laske.



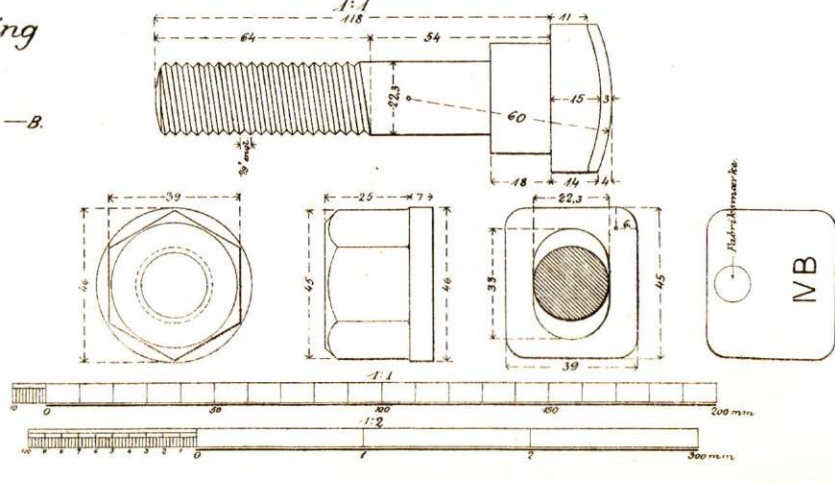
Underlagsplade.



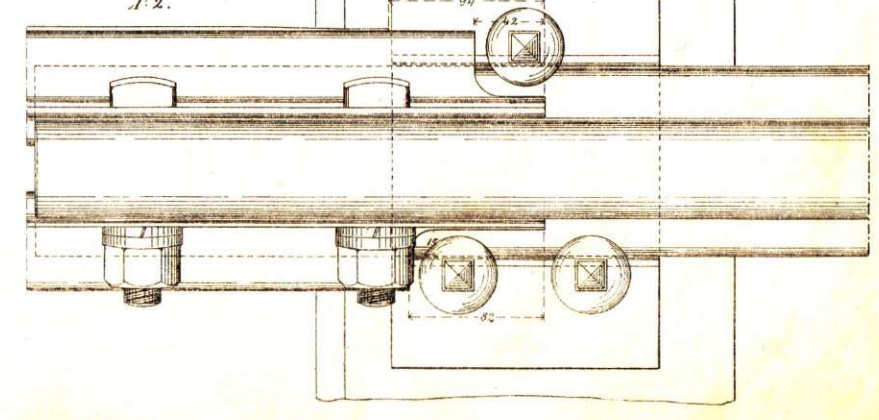
Spændering



Bolt og Møtrik.



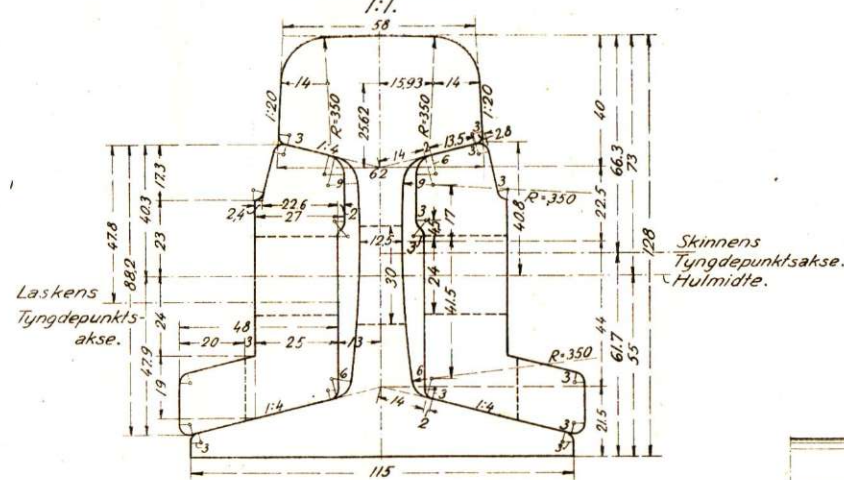
Plan.





# SKINNER MED FORBINDELSESDELE. IVB. (37KG SKINNER).

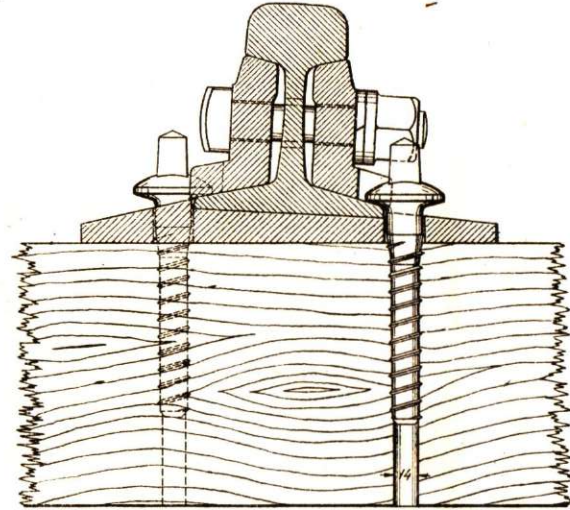
TVÆRSNIT.  
1:1.



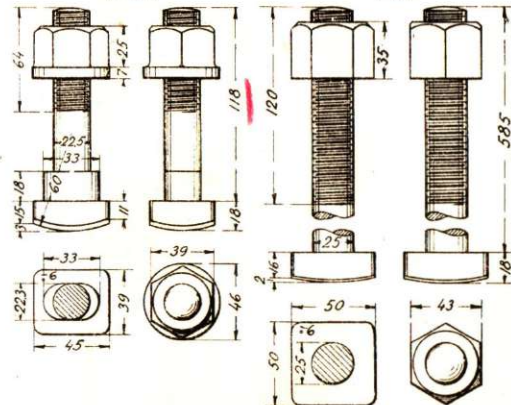
STYRKEBEREGNING.

|   |                  |                         |
|---|------------------|-------------------------|
| Skinne                                      | Tværsnitsareal.  | 47.08 cm <sup>2</sup>   |
|   | Inertimoment.    | 1020.00 cm <sup>4</sup> |
|   | Modstandsmoment. | 154.00 cm <sup>3</sup>  |
| Laske                                       | Tværsnitsareal.  | 23.66 cm <sup>2</sup>   |
|   | Inertimoment.    | 140.23 cm <sup>4</sup>  |
|   | Modstandsmoment. | 29.34 cm <sup>3</sup>   |
| Momenterne er for vandret Tyngdepunktsakse. |                  |                         |

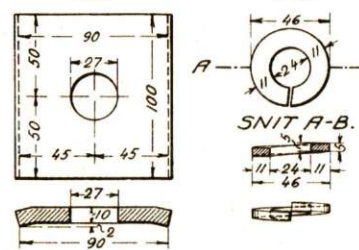
SNIT GENNEM STØDSVELLE.  
1:2.



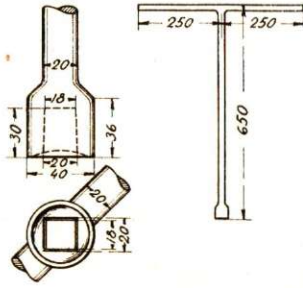
LASKEBOLT. 1:2. STØDSVELLEBOLT. 1:2. SVELLESKRUE. 1:2.



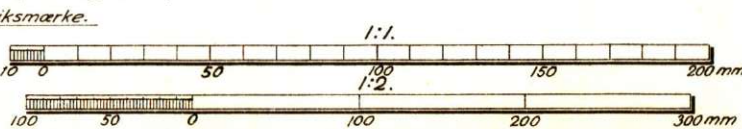
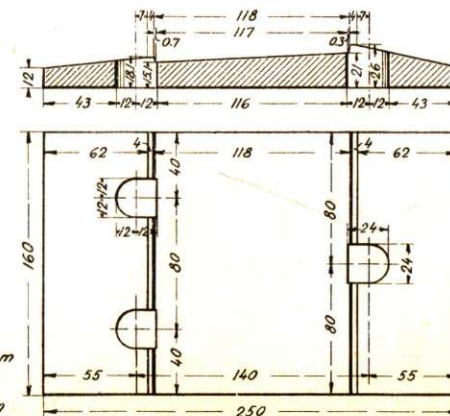
SPENDEPLADE FOR STØDSVELLEBOLT. SPENDERING. 1:2.



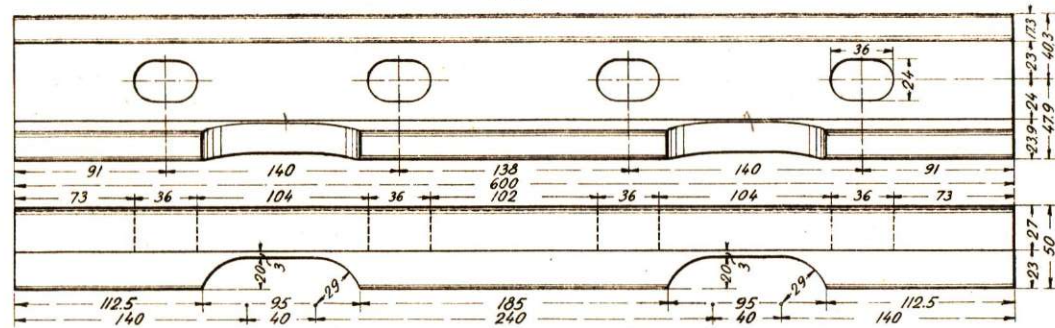
SKRUENØGLE. 1:2.



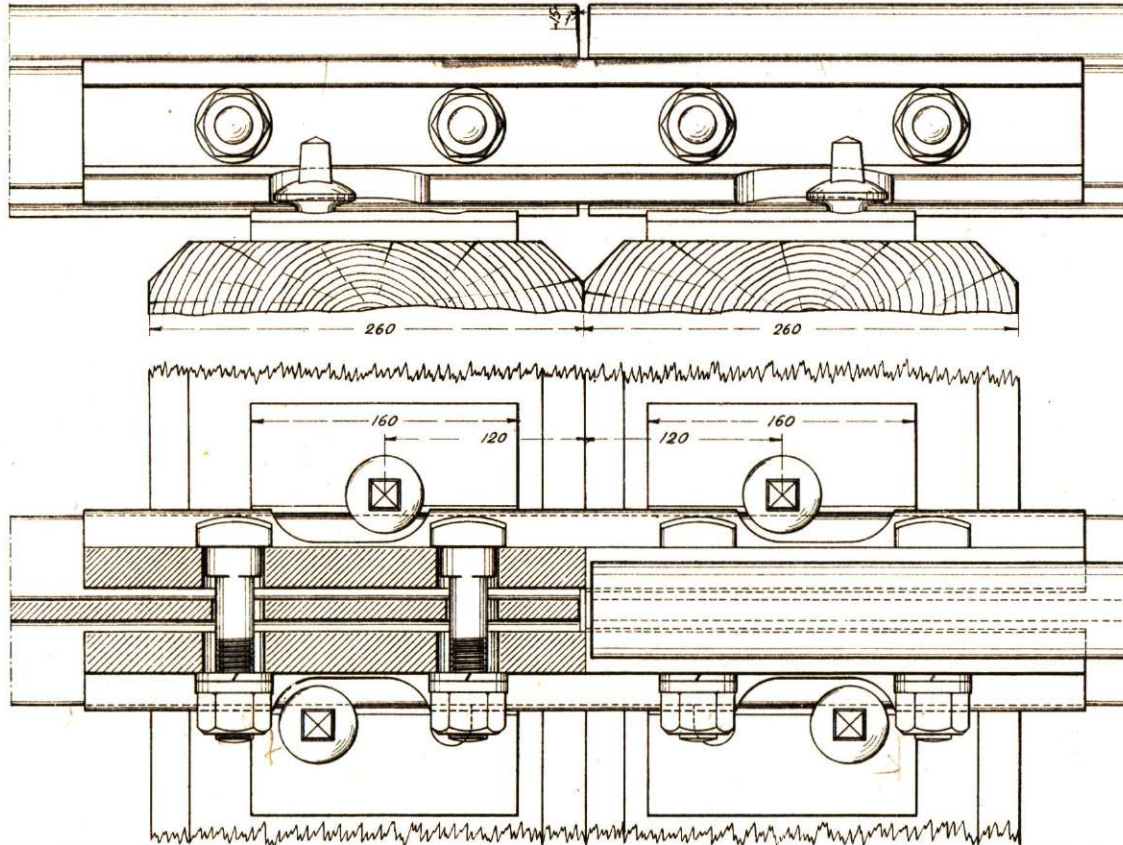
UNDERLAGSPLADE. 1:2.



LASKE. 1:2.



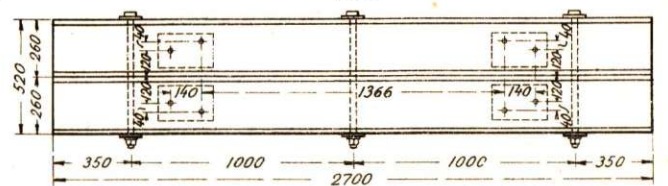
SKINNESTØD. 1:2.



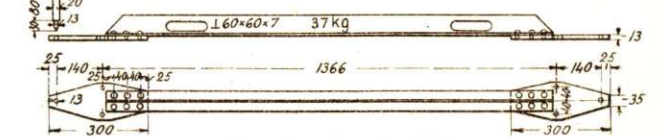
STØDSVELLE. 1:5.



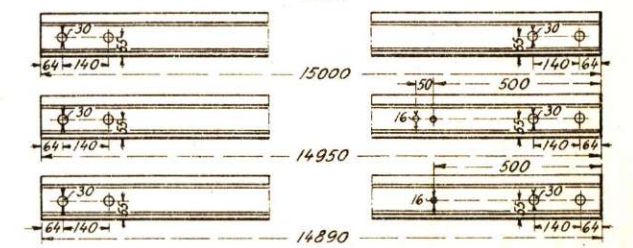
PLAN AF STØDSVELLE. 1:15.



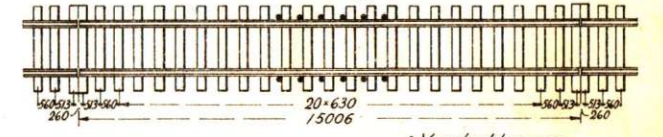
SKABELON FOR BORING I SVELLER. 1:10.



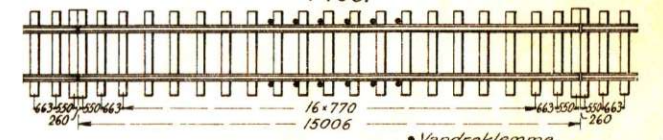
BORING I SKINNER. 1:10.



15m SKINNE MED 25 SVELLER. 1:100.



15m SKINNE MED 21 SVELLER. 1:100.

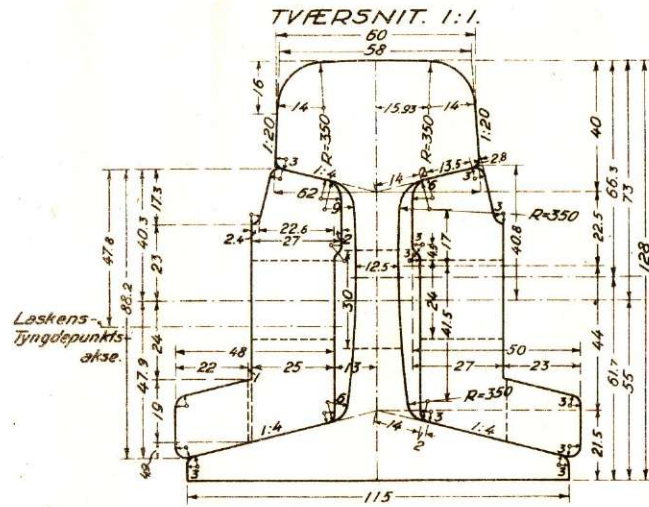


MATERIALFORTEGNELSE. (25 Svelles pr. 15m Skinne).

| Vægtfylde: 785      | Stk. pr.t | kg pr.Stk | Til 15m Spor | Til 1km Spor | Til 1t Skinner |
|---------------------|-----------|-----------|--------------|--------------|----------------|
| Svelles             | 23        | 1532.72   |              |              |                |
| Stødsvelles         | 2         | 133.28    |              |              |                |
| Stødsvellebølter    | 3         | 8.853     | 199.92       | 0.590        | 2.707          |
| Spændelader til do. | 6         | 3.972     | 399.84       | 0.265        | 5.414          |
| Skinner 15.000m     | 1.805     | 554.096   | 2            | 108.180      | 133.28         |
| " 14.950 "          | 1.811     | 552.202   |              |              |                |
| " 14.890 "          | 1.818     | 550.005   |              |              |                |
| " 12.000 "          | 2.256     | 443.216   |              |              |                |
| " 10.000 "          | 2.708     | 369.300   |              |              |                |
| " 9.000 "           | 3.009     | 332.343   |              |              |                |
| " 8.000 "           | 3.385     | 295.385   |              |              |                |
| Lasker.             | 99108     | 10090     | 4            | 40.360       | 266.56         |
| Laskebolter         | 1180638   | 0.847     | 8            | 6.776        | 533.12         |
| Spænderinge til do. | 2127659   | 0.047     | 8            | 0.376        | 533.12         |
| Underlagsplader     | 188324    | 5.310     | 50           | 265.500      | 3332.00        |
| Svelleskruer 150mm  | 2127660   | 0.470     | 146          | 68.620       | 9729.44        |
| Vægt ialt:          |           |           |              | 1502637      | 100137         |



# SKINNER MED FORBINDELSESDELE. IV.B. (37kg SKINNER).

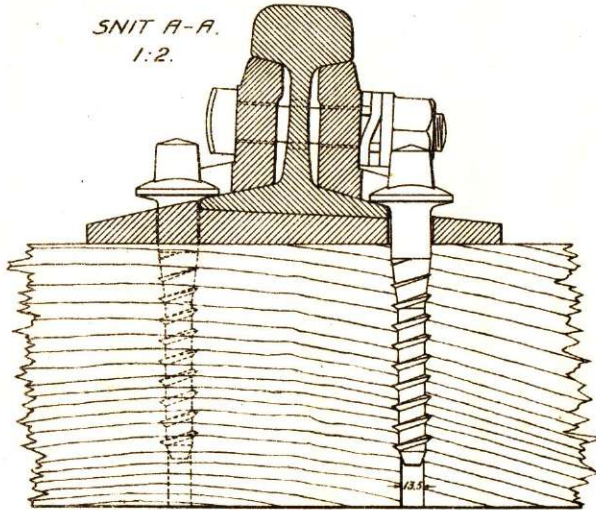


**STYRKEBEREGNING.**

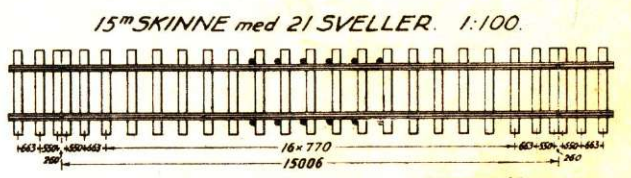
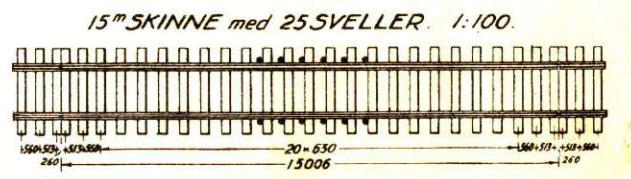
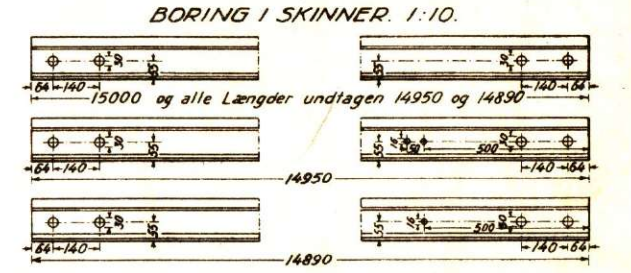
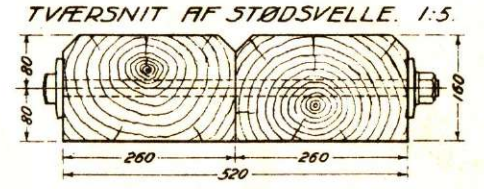
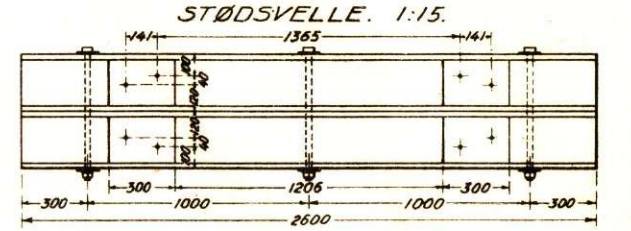
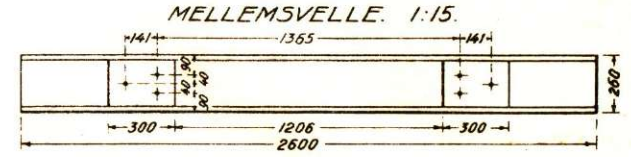
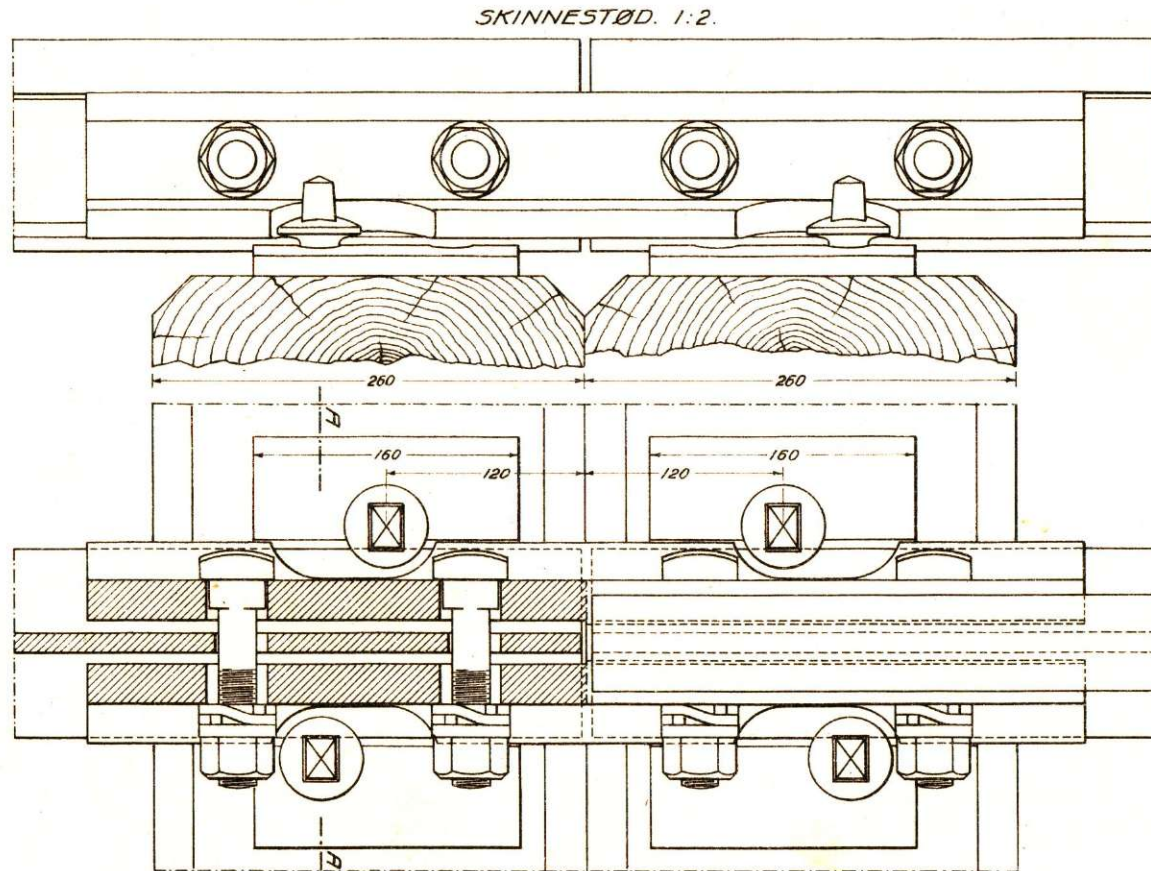
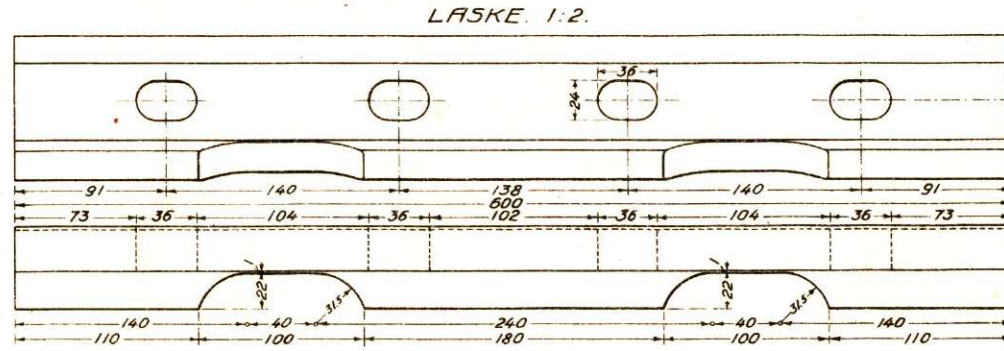
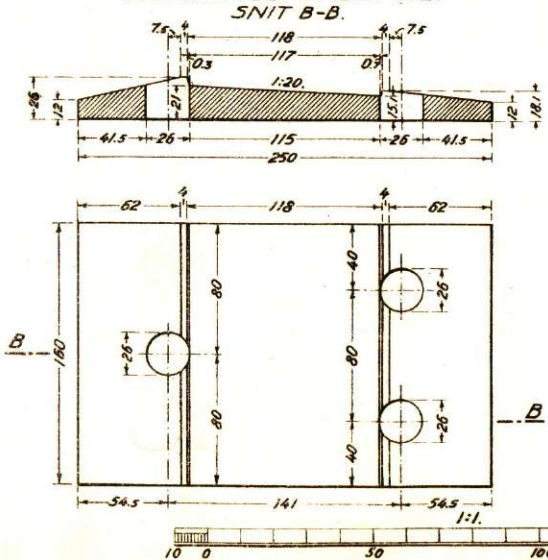
|         |                  |                        |
|---------|------------------|------------------------|
| Skinne. | Tværsnitsareal.  | 47.08 cm <sup>2</sup>  |
|         | Inertimoment.    | 102.0 cm <sup>4</sup>  |
|         | Modstandsmoment. | 154.00 cm <sup>3</sup> |
| Laske.  | Tværsnitsareal.  | 23.66 cm <sup>2</sup>  |
|         | Inertimoment.    | 14.0 cm <sup>4</sup>   |
|         | Modstandsmoment. | 29.34 cm <sup>3</sup>  |

Momenterne er for vandret Tyngdepunktsakse.

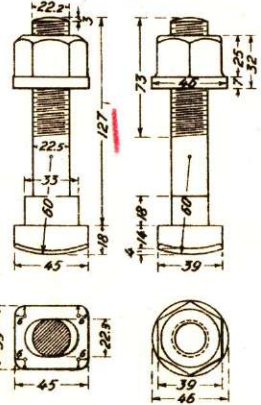
**SNIT A-A.**  
1:2.



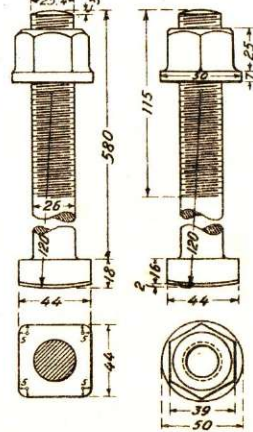
**UNDERLAGSPLADE.** 1:2.



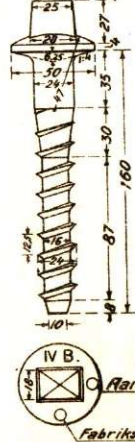
**LASKEBOLT.** 1:2.



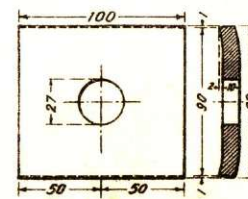
**STØDSVELLEBOLT.** 1:2.



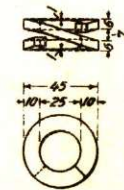
**SVELLESKRUE.** 1:2.



**SPÆNDEPLADE FOR STØDSVELLEBOLT.** 1:2.



**DOBBELT SPÆNDERING.** 1:2.



**MATERIALFORTEGNELSE.**  
(25 Sveller pr. 15m Skinne).

| Vægtfylde: 7.85     | kg      |      | Til 15m Spor. |         | Til 1km Spor. |  |
|---------------------|---------|------|---------------|---------|---------------|--|
|                     | pr.Stk. | Stk. | kg            | Stk.    | t             |  |
| Sveller.            | 23      |      | 1532.72       |         |               |  |
| Stødsvellere.       | 1       |      | 66.64         |         |               |  |
| Stødsvellebølte.    | 2.867   | 3    | 8.601         | 199.92  | 0.573         |  |
| Spændepåler til do. | 0.661   | 6    | 3.966         | 399.84  | 0.264         |  |
| Skinner. 15.000m    | 554.090 | 2    | 1108.180      | 133.28  | 73.849        |  |
| Lasker.             | 10.020  | 4    | 40.080        | 266.56  | 2.671         |  |
| Laskebolte.         | 0.871   | 8    | 6.968         | 533.12  | 0.464         |  |
| Spænderinge.        | 0.092   | 8    | 0.736         | 533.12  | 0.049         |  |
| Underlagsplader.    | 5.230   | 50   | 261.500       | 3332.00 | 17.426        |  |
| Svelleskruer.       | 0.615   | 146  | 89.790        | 9729.44 | 5.984         |  |
| Vægt ialt:          |         |      | 1519.821      |         | 101.280       |  |

Udarbejdet af:

Einh. Pedersen

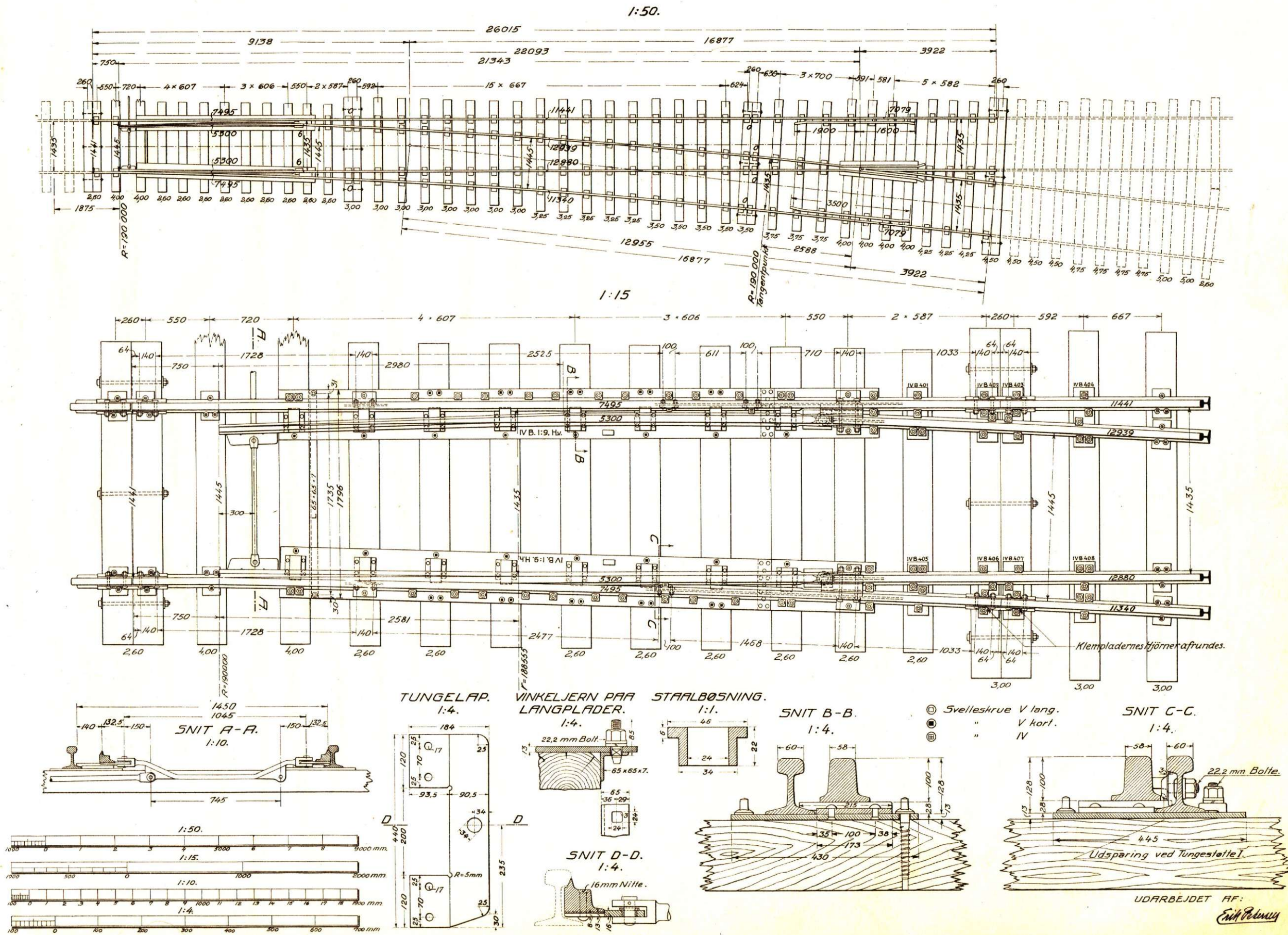












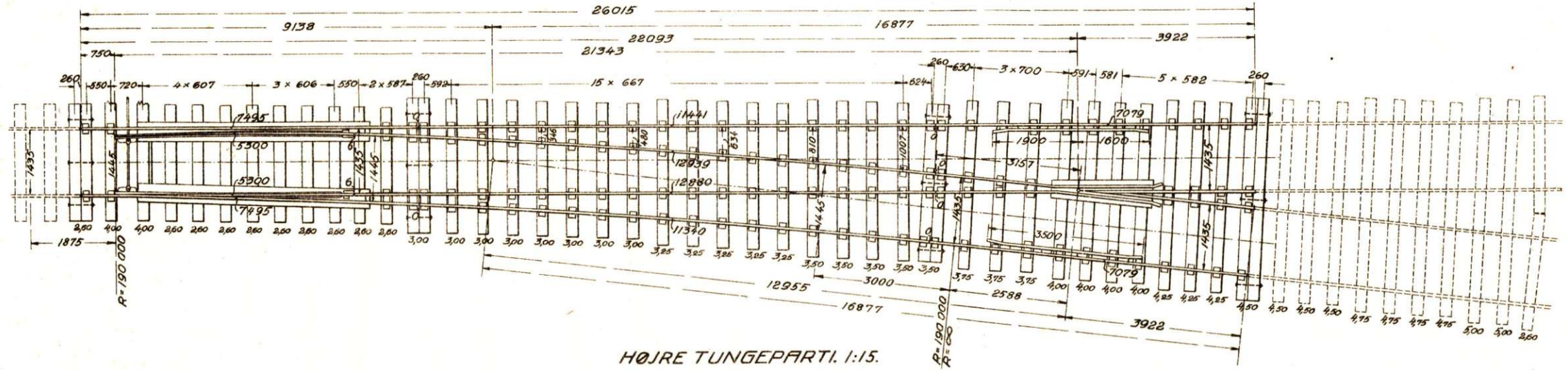


# FULDUNGESPORSKIFTE 1:9.

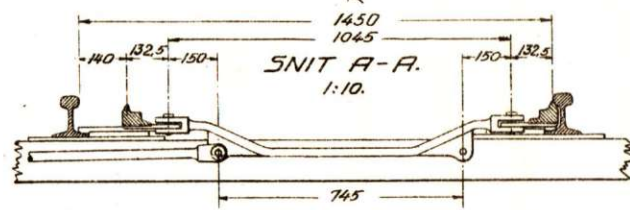
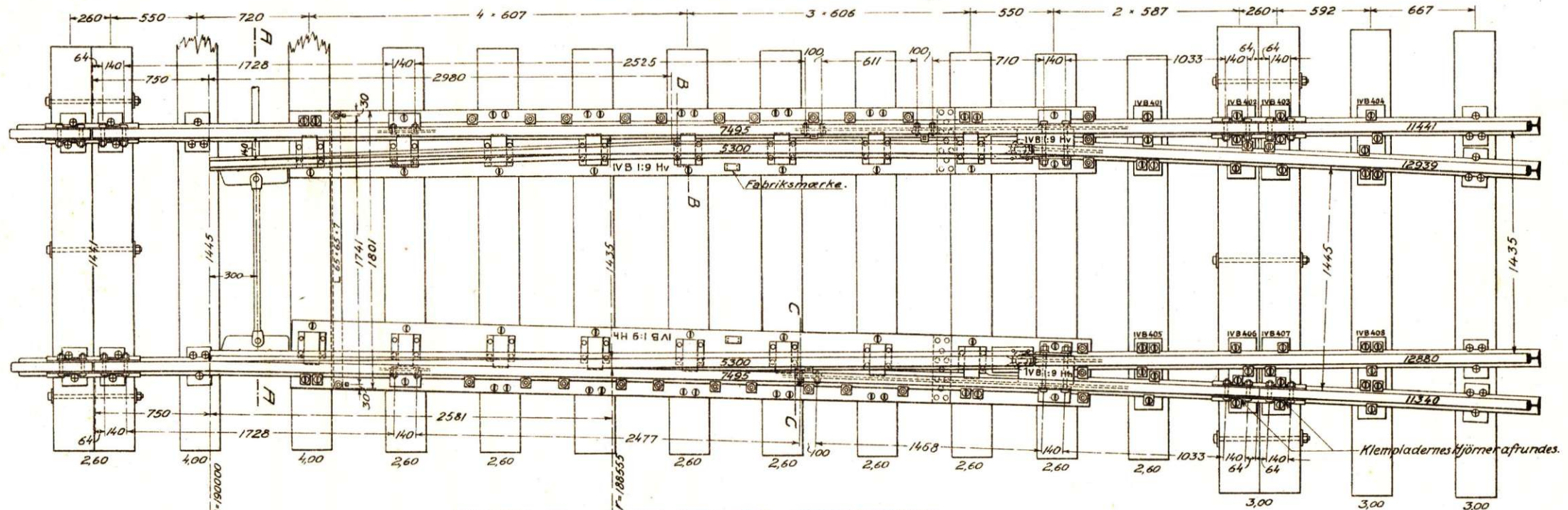
OVERBYGNING IV.

Detaller til denne Plan findes paa Blad 419, 420, 421 og 422.

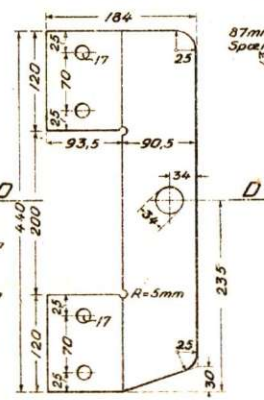
PLAN AF HØJRE SPORSKIFTE. 1:50.



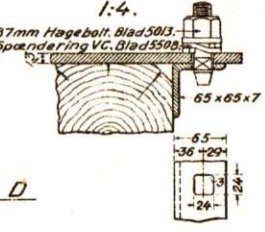
HØJRE TUNGEPARTI. 1:15.



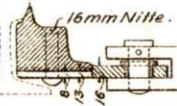
TUNGELAP. 1:4.



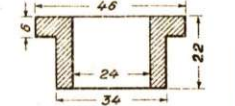
VINKELJERN PAA LANGPLADER. 1:4.



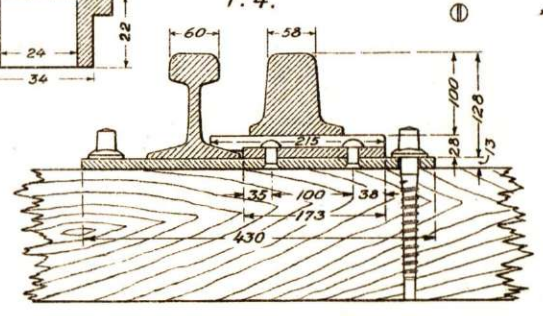
SNIT D-D. 1:4.



STALBØSNING. 1:1.

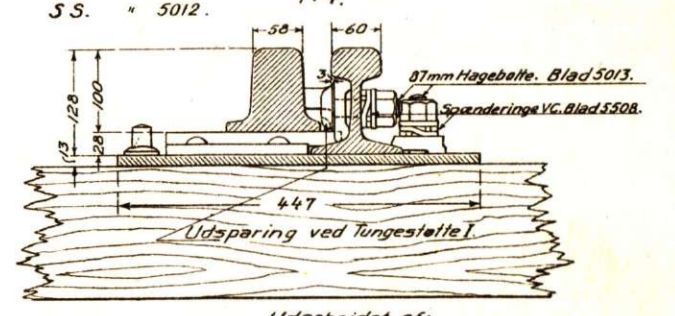


SNIT B-B. 1:4.



- ⊕ Svelleskrue IV B. Blad 5438.
- ⊙ " VC. " 5507.
- ⊙ " JS. " 5012.

SNIT C-C. 1:4.

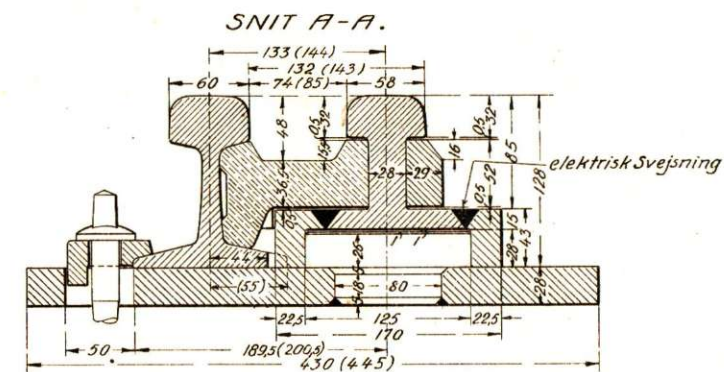
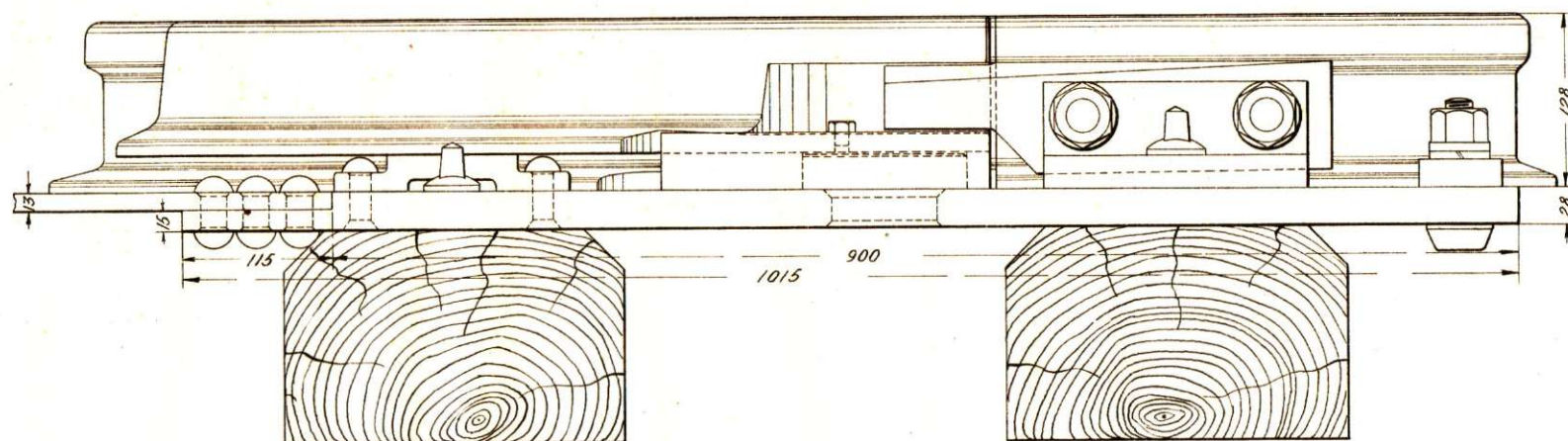


Udarbejdet af:  
Erik Pedersen

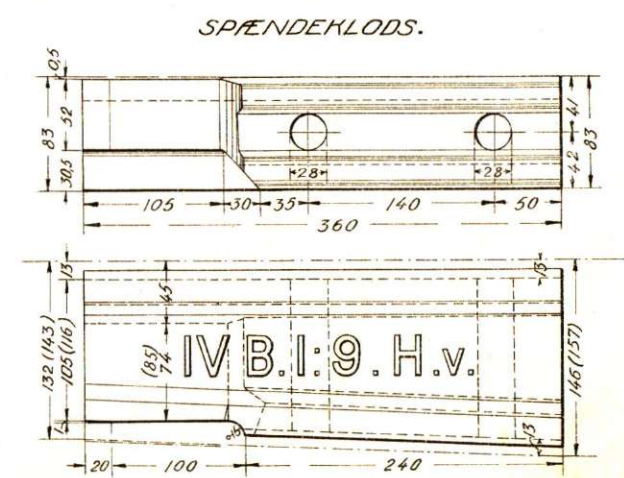
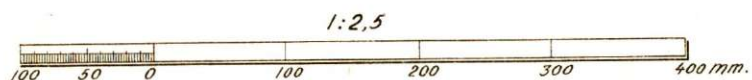
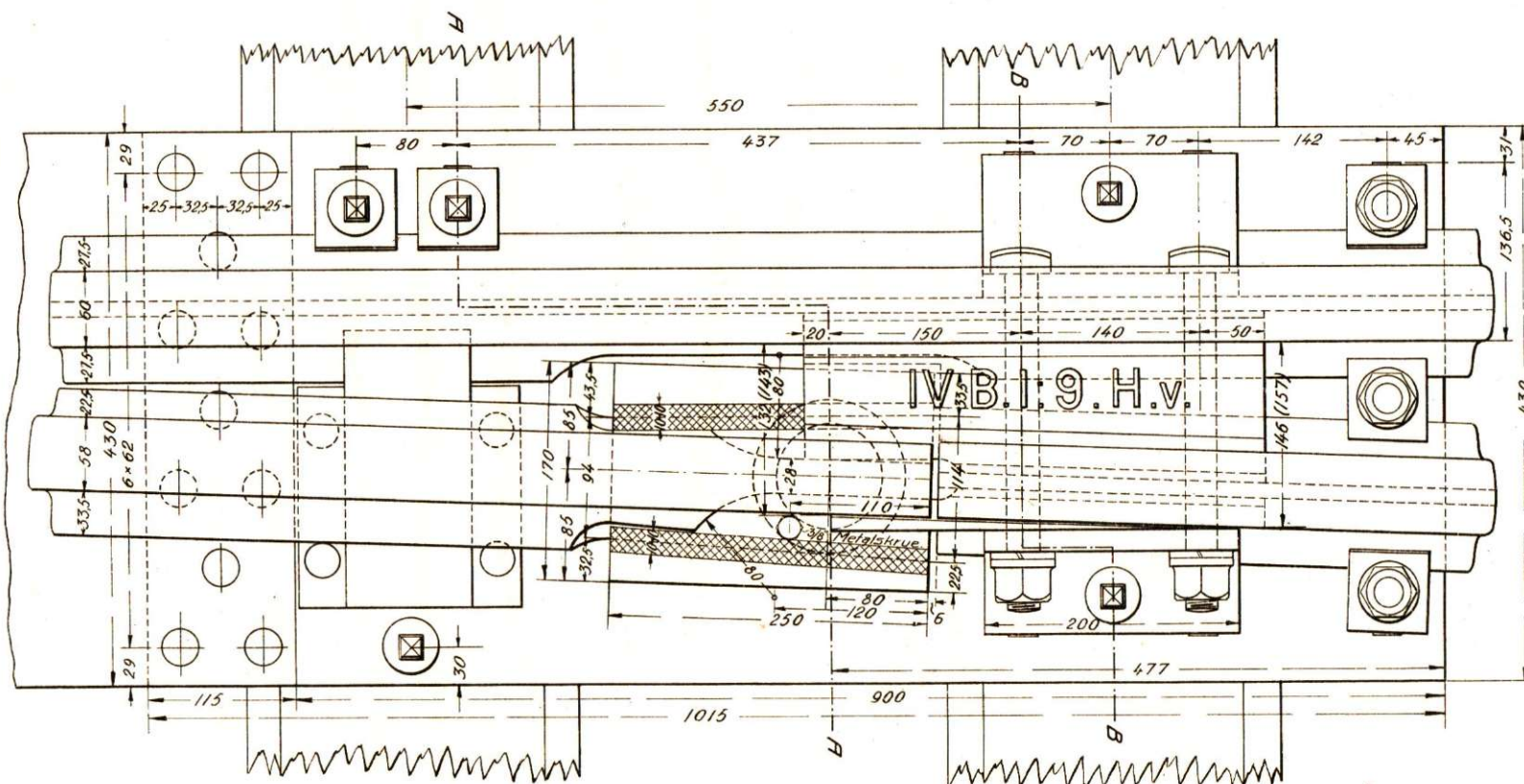
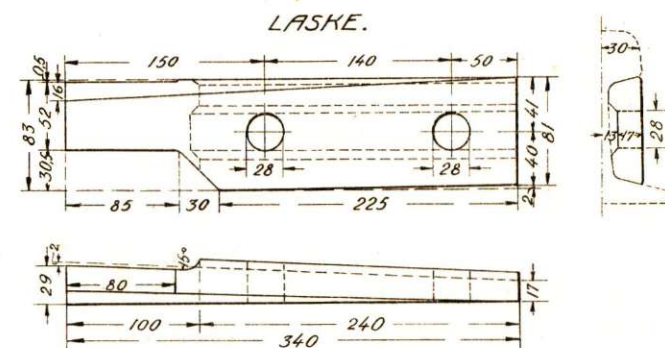
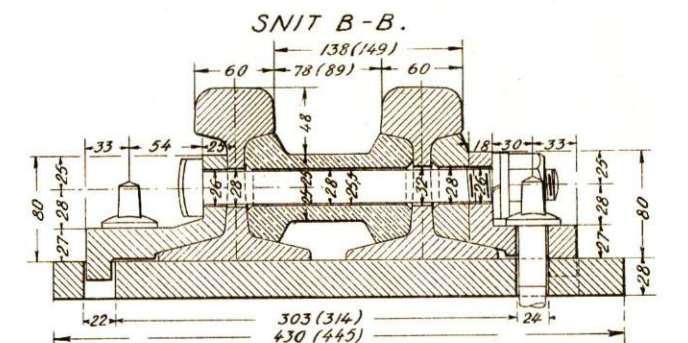


FULD TUNGESPORSKIFTE 1:9.  
TUNGEANORDNING TIL HØJRE SPORSKIFTE.

VENSTRE TUNGEROD.



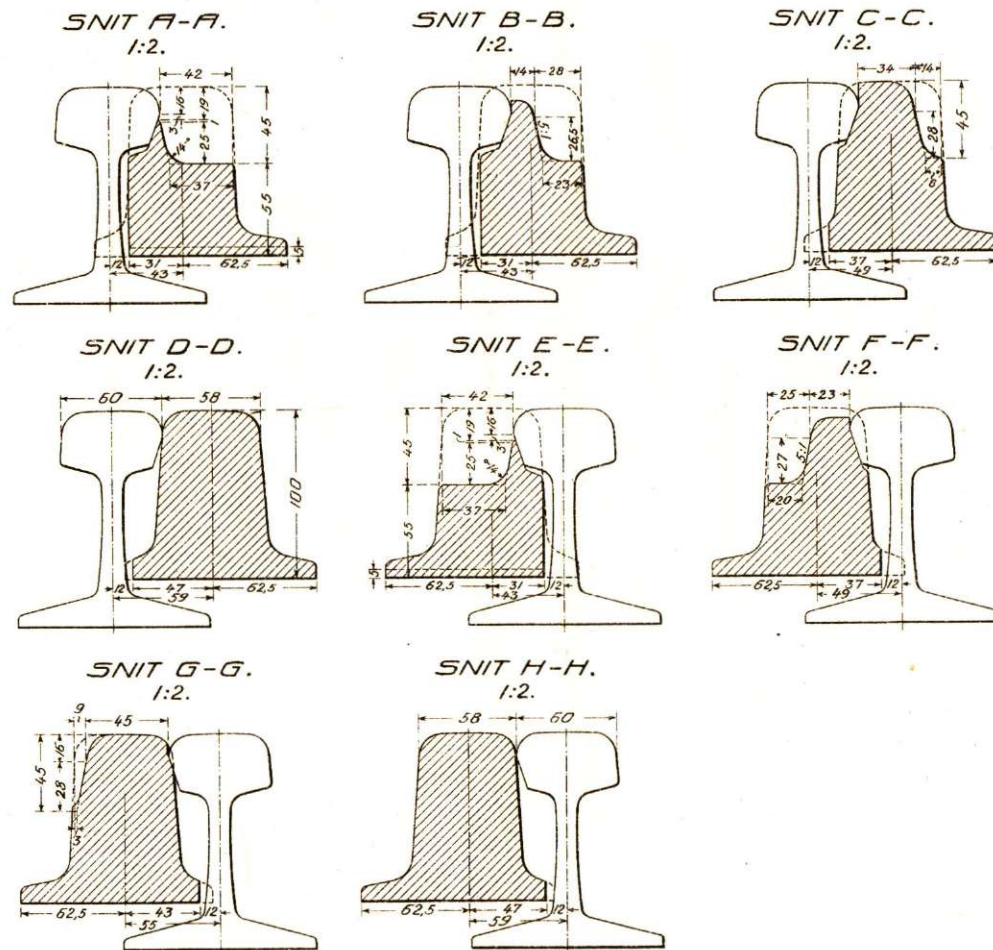
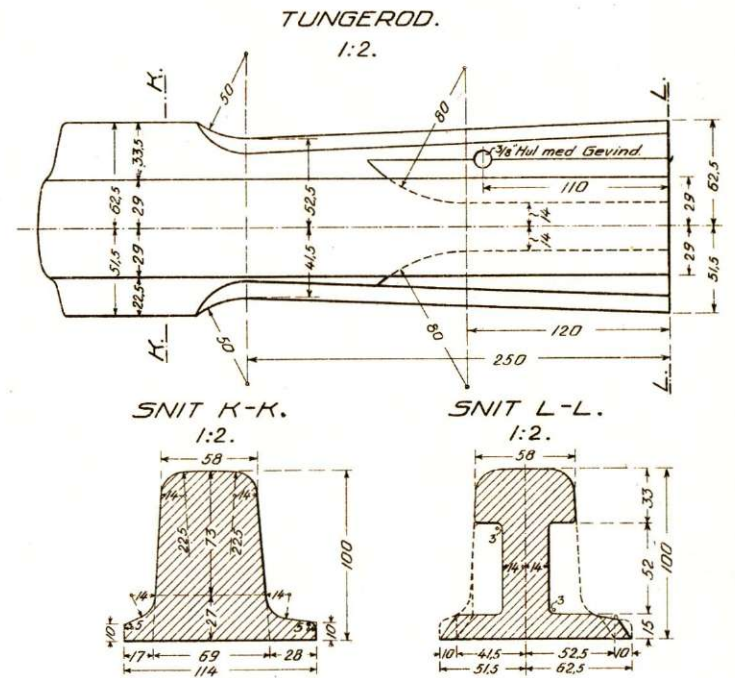
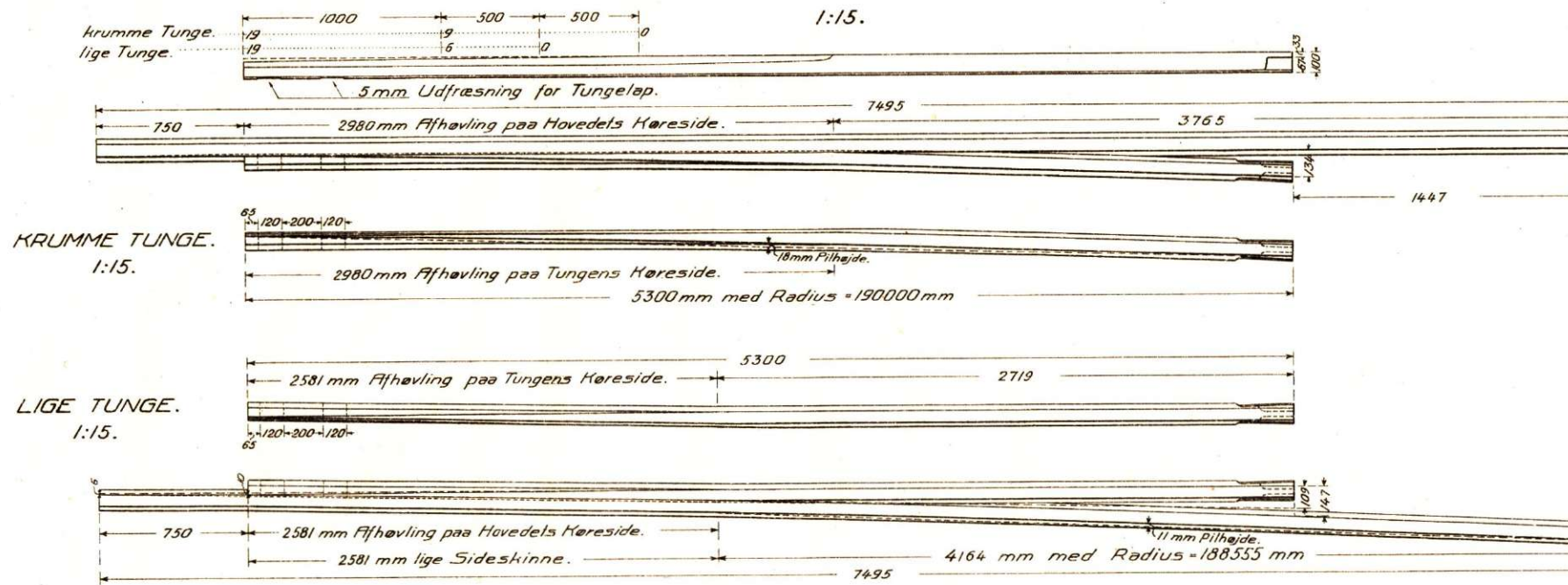
Maalene for højre Tungerod  
bliver som vist i Parentes.



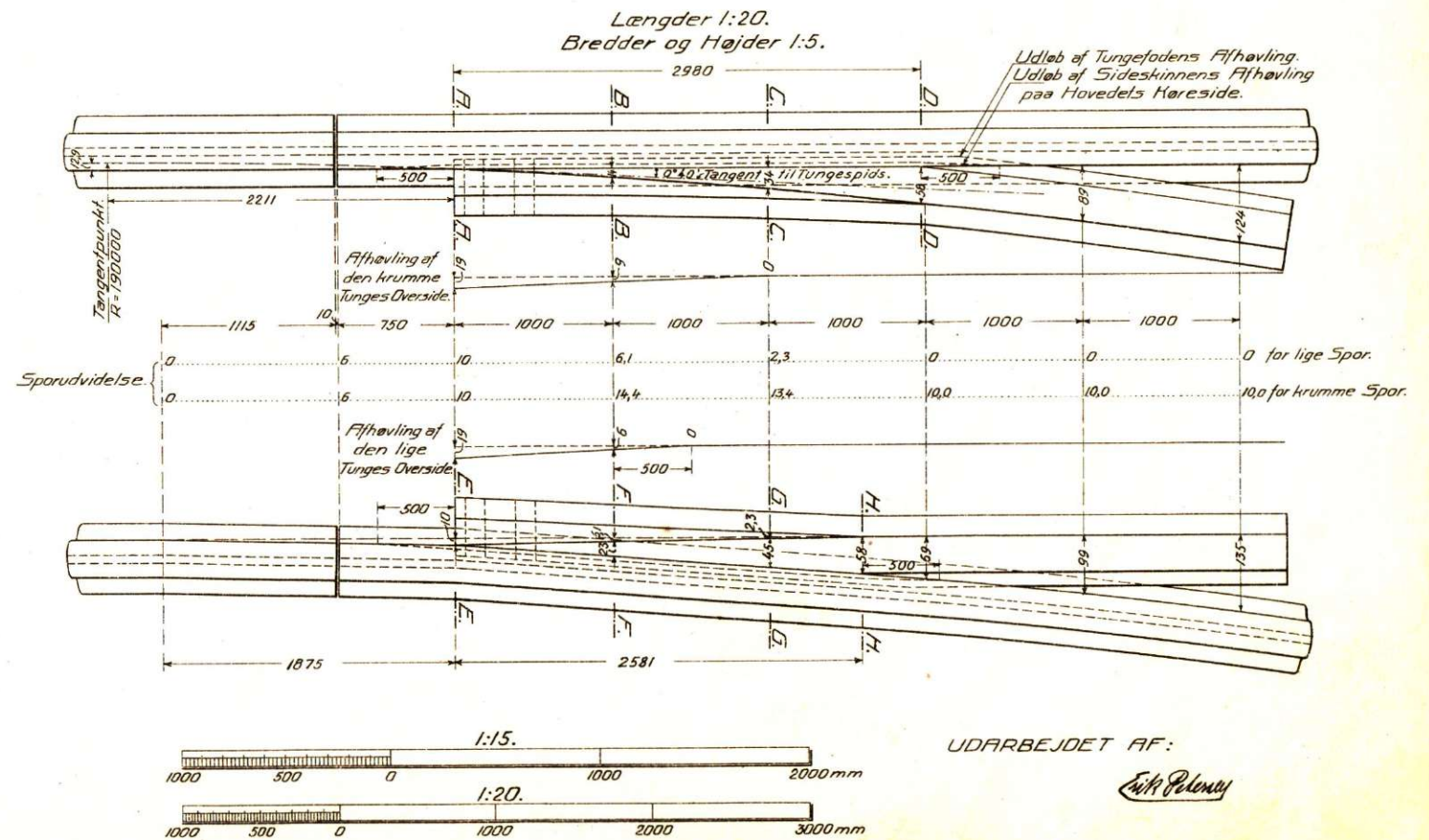








Ved hele og halve Krydsningssporskifter sker Udfresning for Tungelapper efter Blad Nr. 430 og 431.



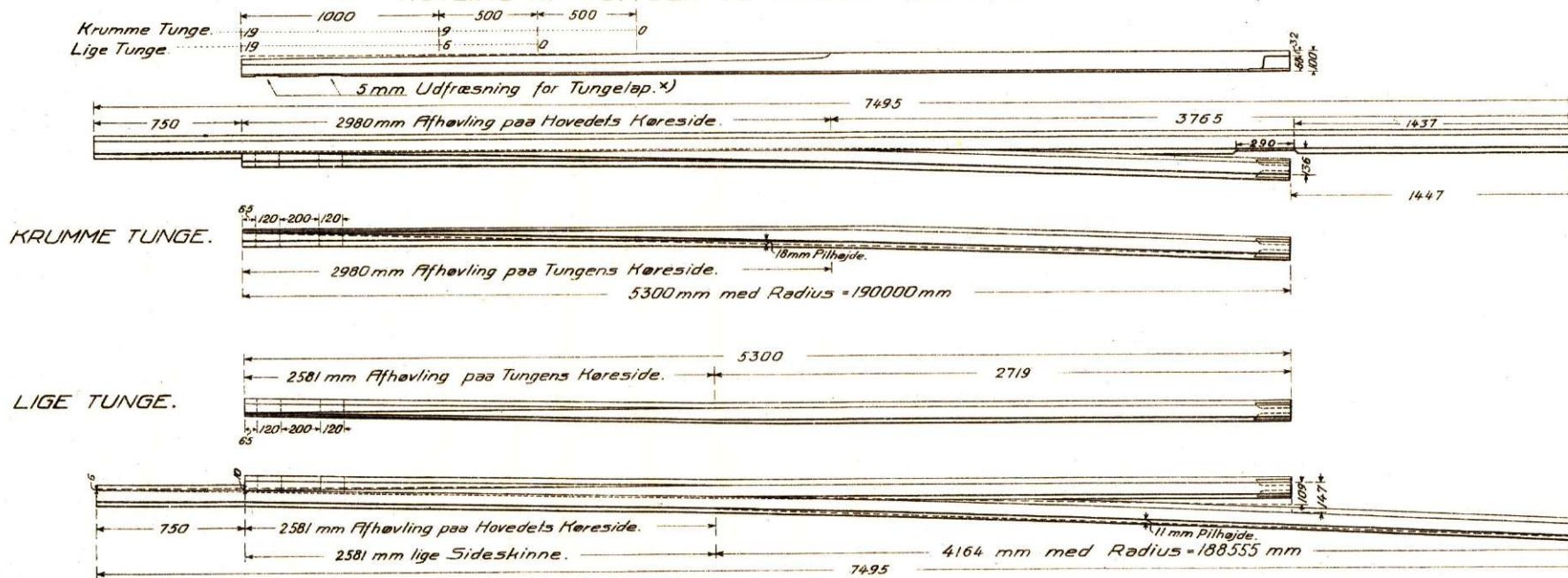
UDARBEJDET AF:

Emil Pedersen

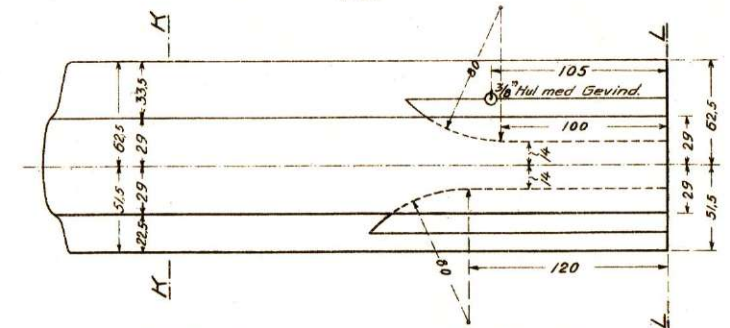


**FULDTUNGESPORSKIFTE 1:9.**  
OVERBYGNING IVB.

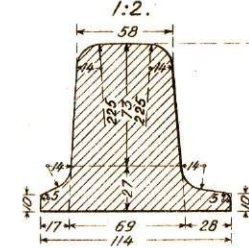
HØVLING AF TUNGER OG SIDESKINNER. 1:15.



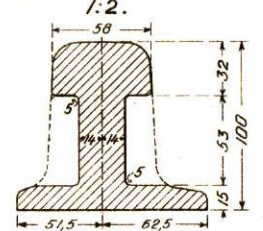
TUNGEROD.  
1:2.



SNIT K-K.  
1:2.

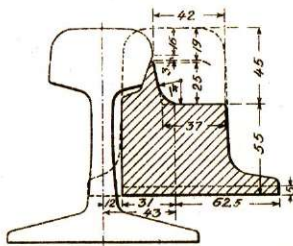


SNIT L-L.  
1:2.

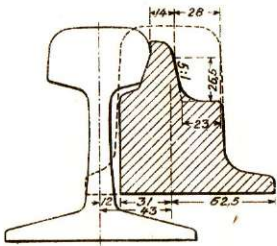


\*) Ved hele og halve Krydsningsspor skifter sker Udfresning for Tungelapper efter Blad Nr. 430<sup>a</sup> og 431<sup>a</sup>.

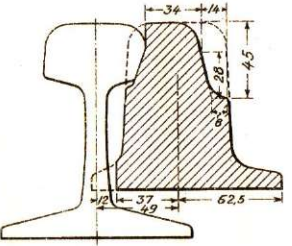
SNIT A-A.  
1:2.



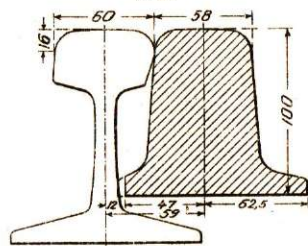
SNIT B-B.  
1:2.



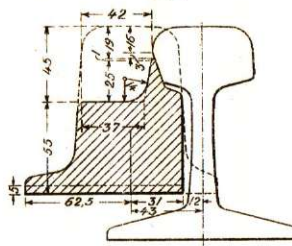
SNIT C-C.  
1:2.



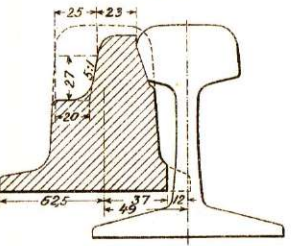
SNIT D-D.  
1:2.



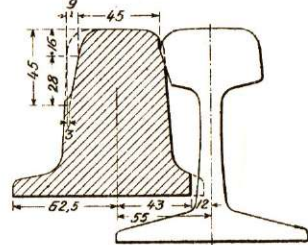
SNIT E-E.  
1:2.



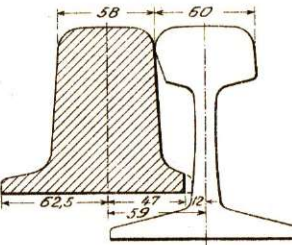
SNIT F-F.  
1:2.



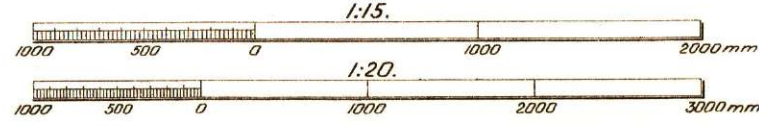
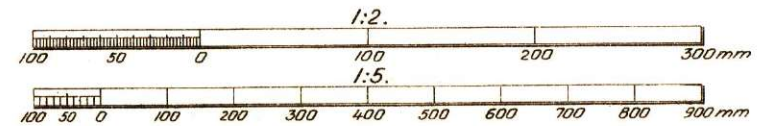
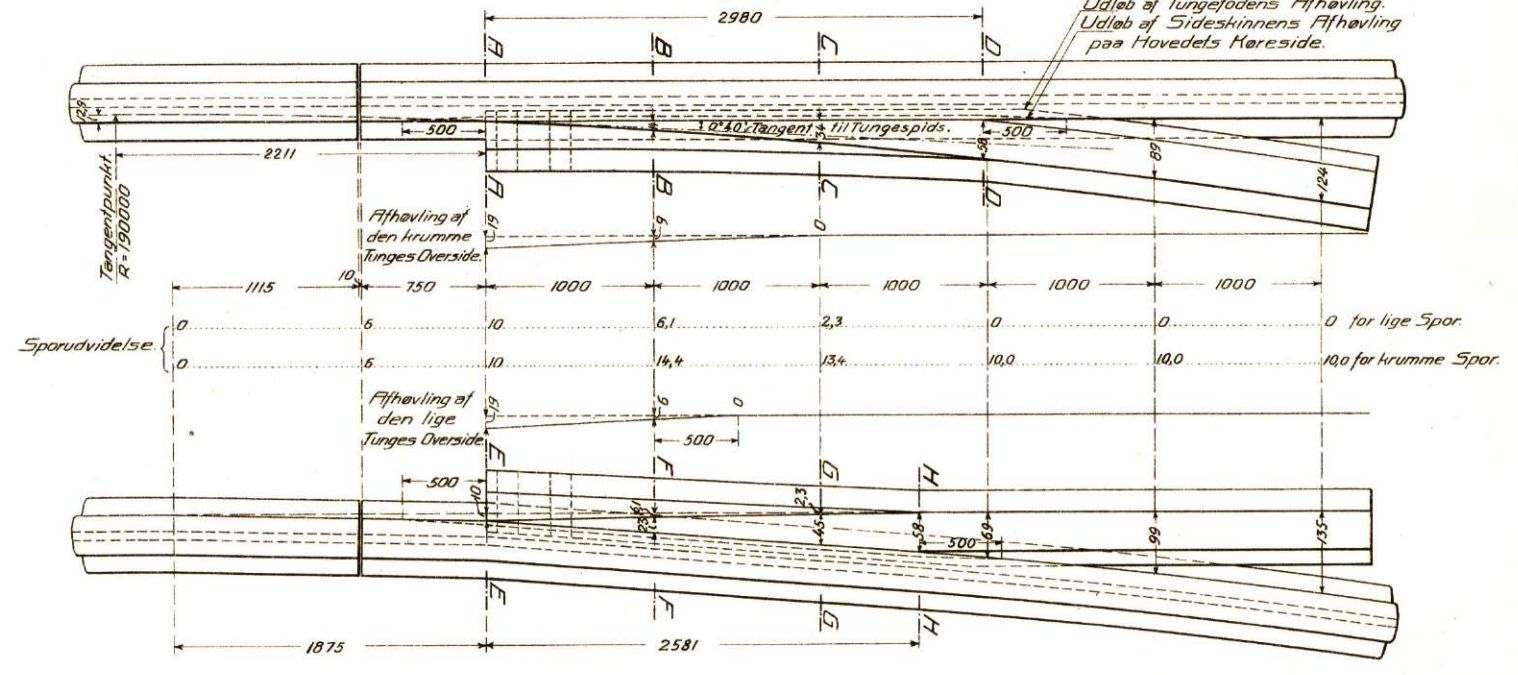
SNIT G-G.  
1:2.



SNIT H-H.  
1:2.



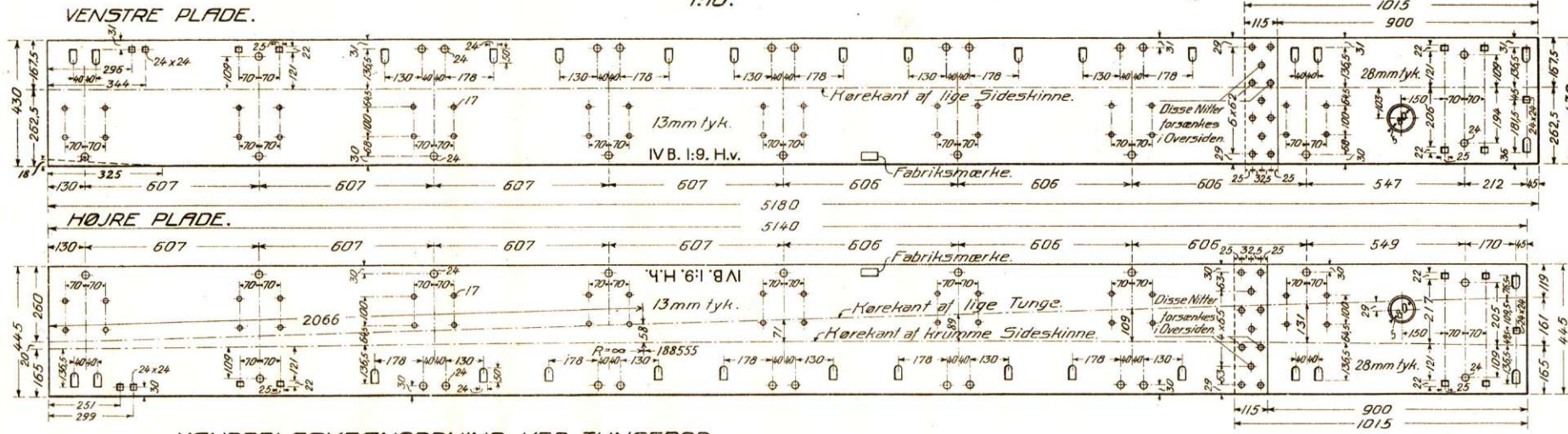
Længder 1:20.  
Bredder og Højder 1:5.



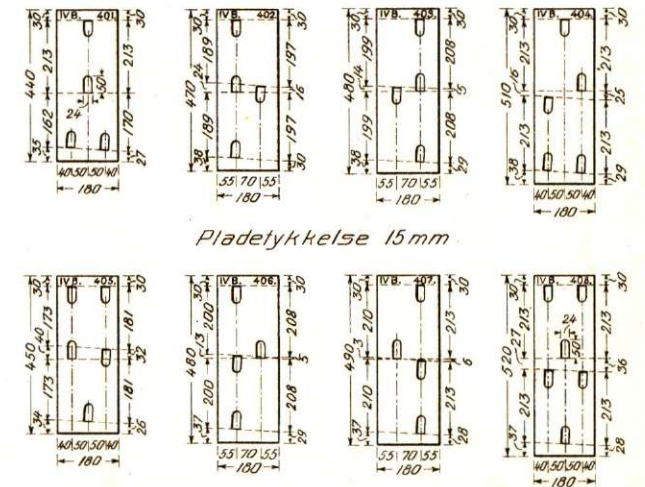
Udarbejdet af:  
Erik Jensen



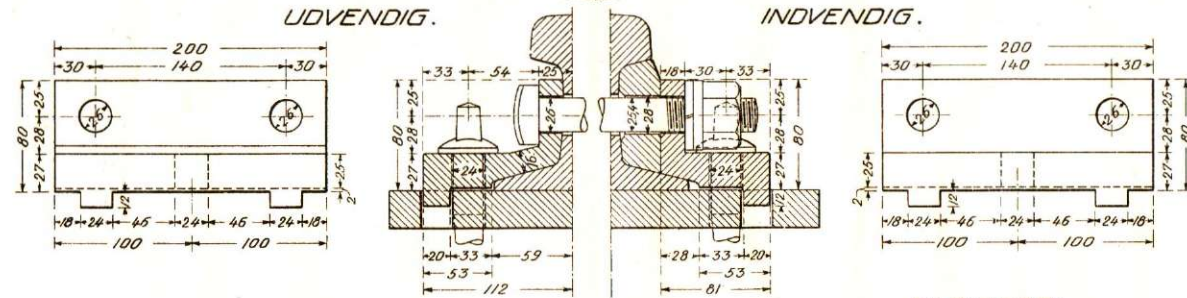
LANGPLADER FOR HØJRE SPORSKIFTE.  
1:10.



SÆRLIGE UNDERLAGSPLADER.  
1:10.



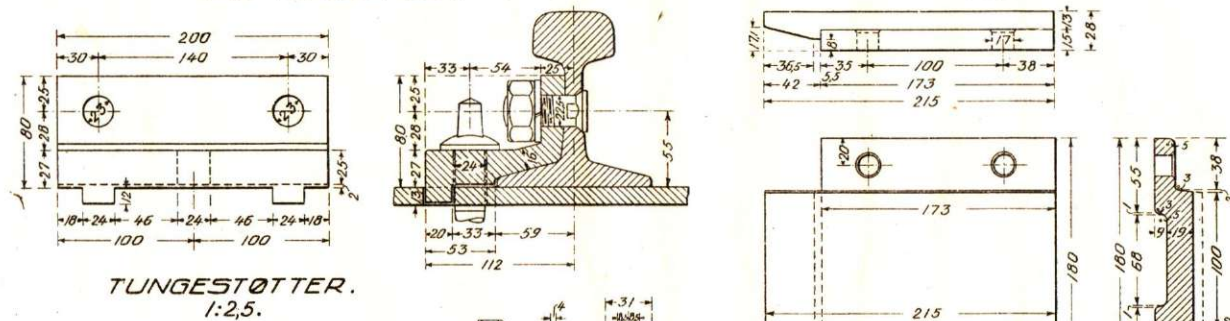
VANDRELASKEANORDNING VED TUNGEROD.  
1:2,5.



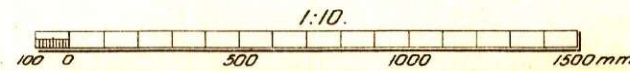
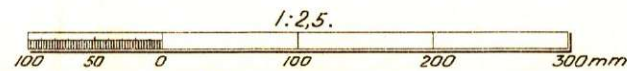
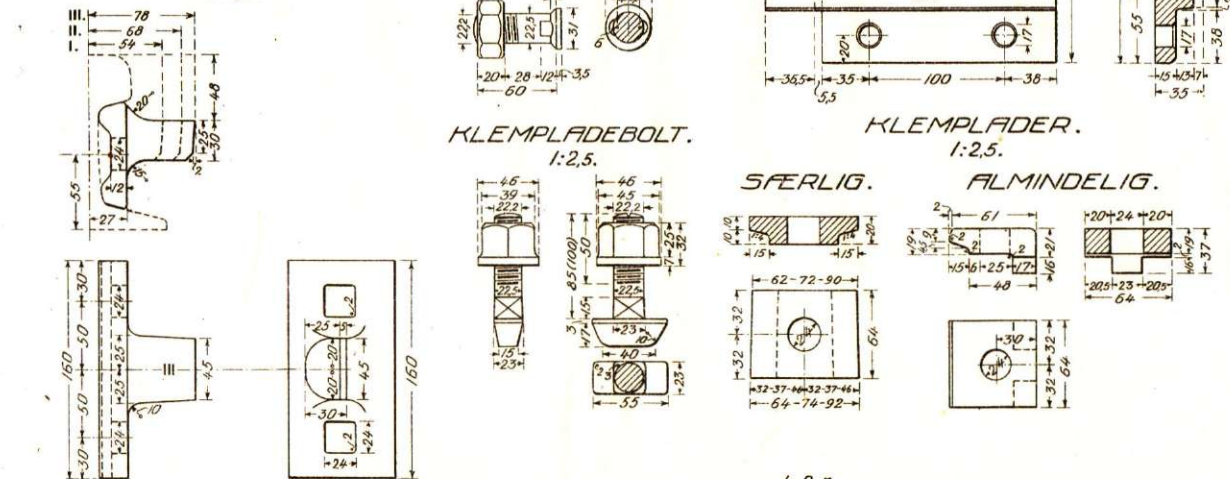
MATERIALFORTEGNELSE.

| Til en Tungeanordning 1:9 hører:            | Stk             | a'kg                  | Ialt kg         | Til et fuldstændigt Sporskifte 1:9 hører: | Stk | a'kg    | Ialt kg |
|---|-----------------|-----------------------|-----------------|---|-----|---------|---------|
| 7495 mm Sideskinne                          | 2               | 274,900               | 549,9           | 1 fuldstændig Tungeanordning 1:9          |     |         | 1986,3  |
| 5300 " Fuldtunge med Lap                    | 2               | 255,700               | 511,4           | 1 " Krydsning 1:9                         |     |         | 898,2   |
| 5180 " Langplade (Hv. eller Vh.)            | 1               | 276,602               | 276,6           | 1 " Sæt Tvangsskiner 1:9                  |     |         | 366,4   |
| 5140 " " (Hh. eller Vv.)                    | 1               | 284,684               | 284,7           | 12939 mm Skinne                           | 1   |         | 478,5   |
| Særlige Underlagsplader Nr. 401-408         | 8               |                       | 76,7            | 12880 " "                                 | 1   |         | 476,3   |
| 20 mm Nitter til Langplader                 | 22              |                       | 4,0             | 11441 " "                                 | 1   |         | 423,0   |
| 215 mm Glidestole                           | 16              | 5,083                 | 81,3            | 11340 " "                                 | 1   |         | 419,3   |
| 16 mm Nitter til Glidestole                 | 64              |                       | 5,5             | 7079 " "                                  | 2   | 261,635 | 523,3   |
| Almindelige Klemplader                      | 67              | 0,500                 | 33,5            | Normale Underlagsplader IVB               | 94  | 5,310   | 499,1   |
| Særlige "                                   | 3               |                       | 2,0             | Svelleskruer VB lange 55                  | 90  | 0,550   | 49,5    |
| 22,2 mm Klempladebolte, 85 mm lange         | 22              | 0,640                 | 14,1            | " VC VB korte                             | 52  | 0,470   | 24,4    |
| 22,2 " " 95 mm "                            | 6               | 0,680                 | 4,1             | " " IVB                                   | 282 | 0,470   | 132,5   |
| Spænderinge til 22,2 mm Bolte               | 38              | 0,047                 | 1,8             | Lasker IVB                                | 18  | 10,090  | 181,6   |
| Tungestøtter                                | I. / II. / III. | 2,000 / 2,100 / 2,200 | 2,0 / 2,1 / 2,2 | Laskebolte IVB                            | 36  | 0,847   | 30,5    |
| " "   |                 |                       |                 | Spænderinge til 22,2 mm Bolte             | 36  | 0,047   | 1,7     |
| 22,2 mm Bolte til Tungestøtter, 80 mm lange | 6               | 0,640                 | 3,8             | Forbindelsesstang med 2 Gaffelbolte       | 1   |         | 15,1    |
| Tungerodsklodser                            | 2               | 8,883                 | 17,8            | Ialt:                                     |     |         | 6505,7  |
| Omdrejningsstæppe                           | 2               | 3,800                 | 7,6             |   |     |         |         |
| Spændeklods                                 | 1               |                       | 23,2            | Koblede Sveller                           | 1   |         |         |
| " "   | 1               |                       | 25,4            | Alm. "                                    | 9   |         |         |
| Tungerodslasker                             | 2               | 3,900                 | 7,8             | Koblet Sporskiftelømmer 3,00m             | 1   |         |         |
| Vandrelaskeanordninger ved Tungerod         | 2               | 9,599                 | 19,2            | " " 3,50 "                                | 1   |         |         |
| 25,4 mm Tværbolte, 270 mm lange             | 4               | 1,650                 | 6,6             | " " 4,50 "                                | 1   |         |         |
| Spænderinge til 25,4 mm Bolte               | 4               | 0,068                 | 0,3             | Alm. " 3,00 "                             | 7   |         |         |
| Vandrelaskeanordninger ved Tungespids       | 2               | 4,856                 | 9,7             | " " 3,25 "                                | 5   |         |         |
| 22,2 mm Bolte, 60 mm lange                  | 4               | 0,210                 | 0,8             | " " 3,50 "                                | 4   |         |         |
| L Jern 65x65x7 mm ved Tungespids            | 1               |                       | 12,2            | " " 3,75 "                                | 3   |         |         |
|   | Ialt:           |                       | 1986,3          | " " 4,00 "                                | 6   |         |         |
|   |                 |                       |                 | " " 4,25 "                                | 3   |         |         |
|   |                 |                       |                 | " " 4,50 " udenfor                        | 3   |         |         |
|   |                 |                       |                 | " " 4,75 " Spor                           | 4   |         |         |
|   |                 |                       |                 | " " 5,00 " skiftet.                       | 2   |         |         |

VED TUNGESPIDS.  
1:2,5.



TUNGESTØTTER.  
1:2,5.



UDARBEJDET AF:

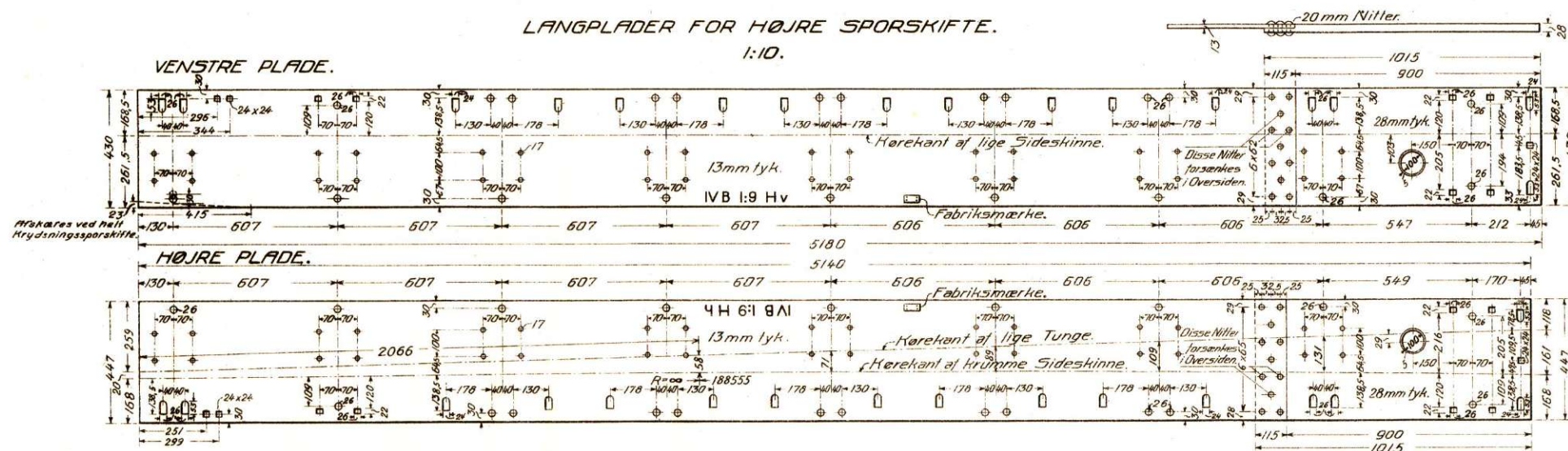
Erik Palenly

2  
6  
7  
9  
21  
1625  
1400  
1125  
24  
1275  
1350  
1900  
10  
16375

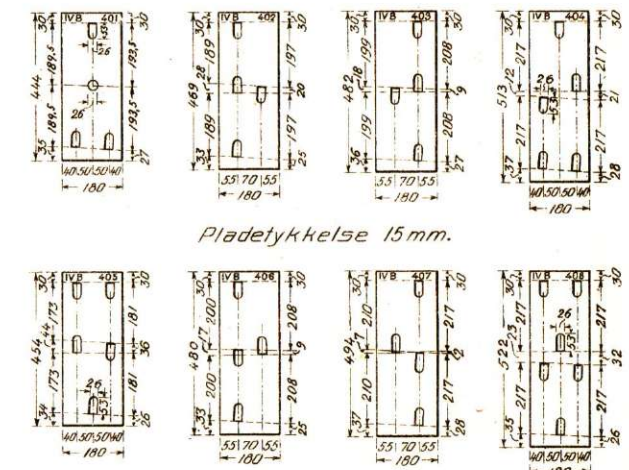


# FULD TUNGESPORSKIFTE 1:9. OVERBYGNING IVB.

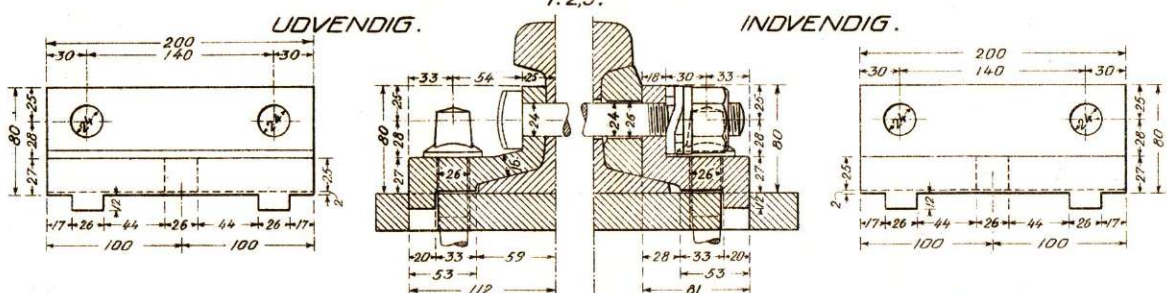
LANGPLADER FOR HØJRE SPORSKIFTE.  
1:10.



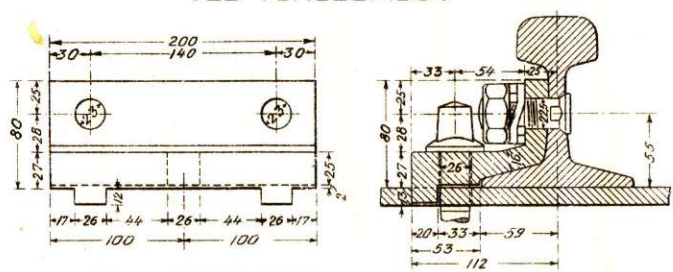
SÆRLIGE UNDERLAGSPLADER.  
1:10.



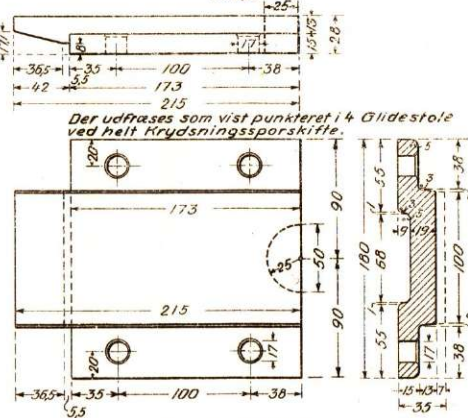
VANDELASKEPARTI VED TUNGEROD.  
1:2,5.



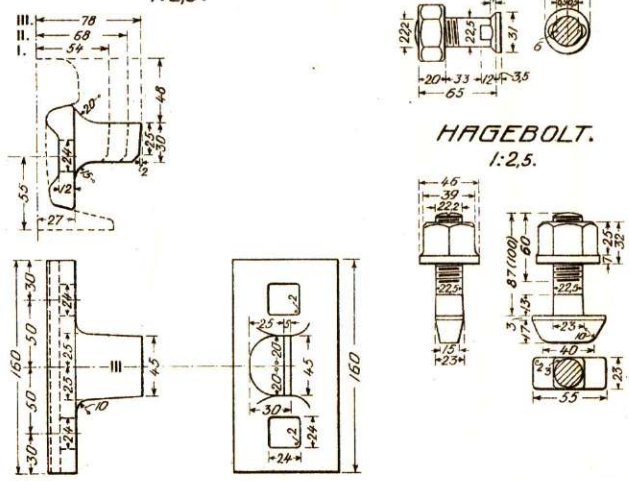
VED TUNGESPIDS.



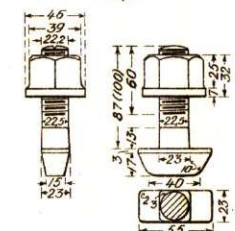
GLIDESTOL.  
1:2,5.



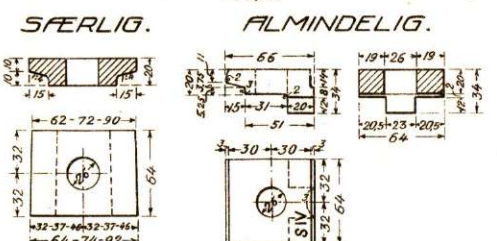
TUNGESTØTTER.  
1:2,5.



HAGEBOLT.  
1:2,5.



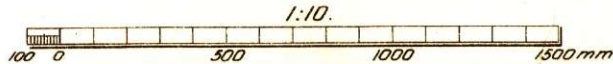
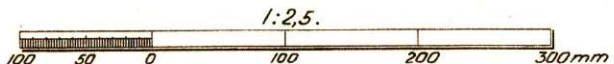
KLEMLADER.  
1:2,5.



MATERIALFORTEGNELSE.

| Til et Tungeparti 1:9 hører:          | Stk    | à kg    | Ialt kg | Til et fuldstændigt Sporskifte 1:9 hører: | Stk | à kg    | Ialt kg |
|---------------------------------------|--------|---------|---------|---|-----|---------|---------|
| 7495 mm Sideskinne                    | 2      | 274,900 | 549,9   | 1 fuldstændigt Tungeparti 1:9             |     |         | 1983,3  |
| 5300 " Fuldtunge med Lap              | 2      | 255,700 | 511,4   | " Krydsning 1:9                           |     |         | 899,3   |
| 5180 " Langplade (Hv eller Vh.)       | 1      | 272,7   | 272,7   | " Sæt Tvangskinner 1:9                    |     |         | 355,2   |
| 5140 " (Hh eller Vv)                  | 1      | 281,9   | 281,9   | 12939 mm Skinne                           | 1   | 478,5   | 478,5   |
| Særlige Underlagsplader Nr 401-408    | 8      | 74,6    | 596,8   | " "                                       | 1   | 476,3   | 476,3   |
| 20 mm Nitter til Langplader           | 22     | 4,0     | 88,0    | " "                                       | 1   | 423,0   | 423,0   |
| 215 mm Glidestole                     | 16     | 5,083   | 81,3    | " "                                       | 1   | 419,3   | 419,3   |
| 16 mm Nitter til Glidestole           | 64     | 5,5     | 352,0   | " "                                       | 2   | 261,635 | 523,3   |
| Almindelige Klemplader SIV            | 67     | 0,562   | 37,7    | 94 Normale Underlagsplader IVB            | 94  | 5,230   | 491,6   |
| Særlige "                             | 3      | 2,0     | 6,0     | Svelleskrue S.S.                          | 90  | 0,620   | 55,8    |
| 22,2 mm Hagebolte 87 mm lange         | 28     | 0,660   | 18,5    | " VC                                      | 52  | 0,538   | 28,0    |
| 22,2 " " 100 mm "                     | 6      | 0,701   | 4,2     | " IVB                                     | 282 | 0,615   | 173,4   |
| Dobb. Spænderinge VC                  | 42     | 0,092   | 3,9     | L Lasker IVB                              | 18  | 10,020  | 180,4   |
| Tungestøtter                          | I. /   |         | 2,0     | Laskerbolte IVB                           | 36  | 0,871   | 31,4    |
| "                                     | II. /  |         | 2,1     | Dobb. Spænderinge VC                      | 36  | 0,092   | 3,3     |
| "                                     | III. / |         | 2,2     | Forbindelsesstang med 2 Gaffelbolte       | 1   | 15,1    | 15,1    |
| L Jern 65 x 65 x 7 mm ved Tungespids  | 1      |         | 12,3    | Ialt:                                     |     |         | 6537,2  |
| Tungerodsklodser                      | 2      | 8,883   | 17,8    |   |     |         |         |
| Omdrejningstappe                      | 2      | 3,800   | 7,6     |   |     |         |         |
| Spændeklods                           | 1      |         | 23,2    | Koblede Sveller                           | 1   |         |         |
| "                                     | 1      |         | 25,4    | Alm. "                                    | 9   |         |         |
| Tungerodslasker                       | 2      | 3,900   | 7,8     | Koblet Sporskiftelømmer 300m              | 1   |         |         |
| Vandrelasker ved Tungerod             | 4      | 9,595   | 38,4    | " " 3,50 "                                | 1   |         |         |
| 24 mm Tværbolte                       | 4      | 1,389   | 5,6     | " " 4,50 "                                | 1   |         |         |
| 22,2 mm Bolte, 65 mm lange            | 4      | 0,210   | 0,8     | Alm. " 3,00 "                             | 7   |         |         |
| Vandrelaskeanordninger ved Tungespids | 2      | 4,854   | 9,7     | " " 3,25 "                                | 5   |         |         |
|                                       | Ialt:  |         | 1983,3  | " " 3,50 "                                | 4   |         |         |
|                                       |        |         |         | " " 3,75 "                                | 3   |         |         |
|                                       |        |         |         | " " 4,00 "                                | 6   |         |         |
|                                       |        |         |         | " " 4,25 "                                | 3   |         |         |
|                                       |        |         |         | " " 4,50 " udenfor                        | 3   |         |         |
|                                       |        |         |         | " " 4,75 " Spor-                          | 4   |         |         |
|                                       |        |         |         | " " 5,00 " skiftet.                       | 2   |         |         |

\*Udgaar ved Tungepartier i Krydsningsspor skifter.  
De særlige Underlagsplader, Langplader, Spændeklods og Tungestøtter mærkes som vist paa Tegningerne.

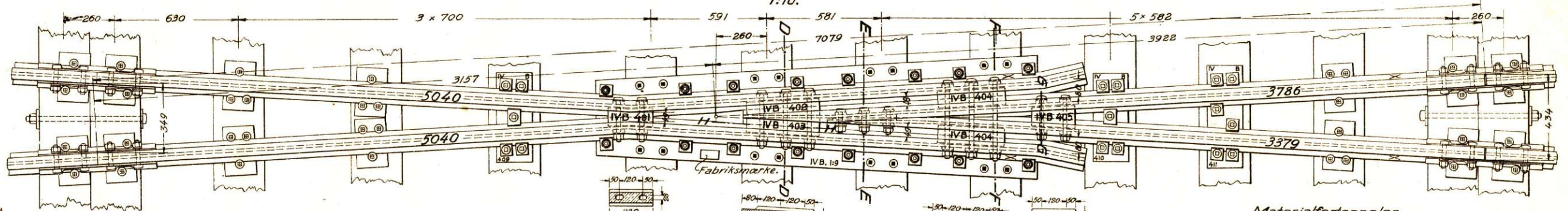


Udarbejdet af:  
Erik Pedersen

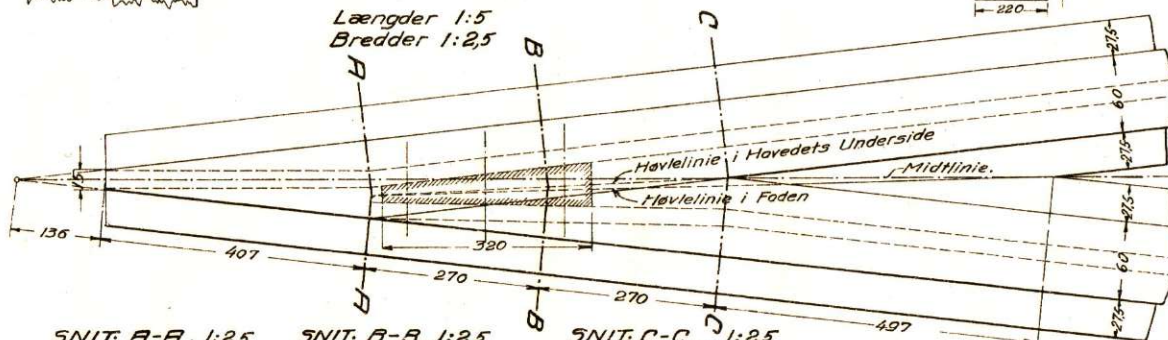


# FULDUNGESPORSKIFTE 1:9.

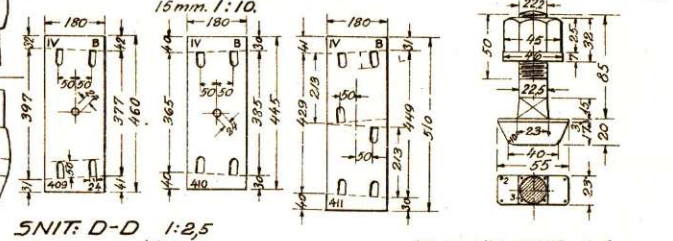
SKINNEKRYDSNING.  
1:10.



Længder 1:5  
Bredder 1:2,5



SÆRLIGE UNDERLAGSPLEDER KLEMLADEBOLT 1:2,5  
15 mm. 1:10.

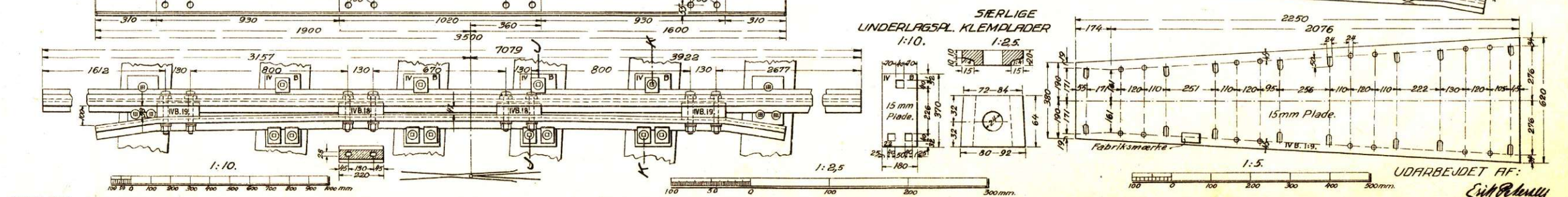
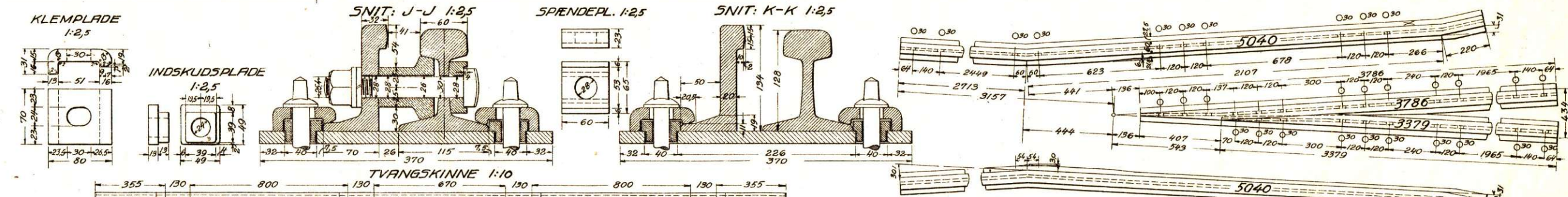
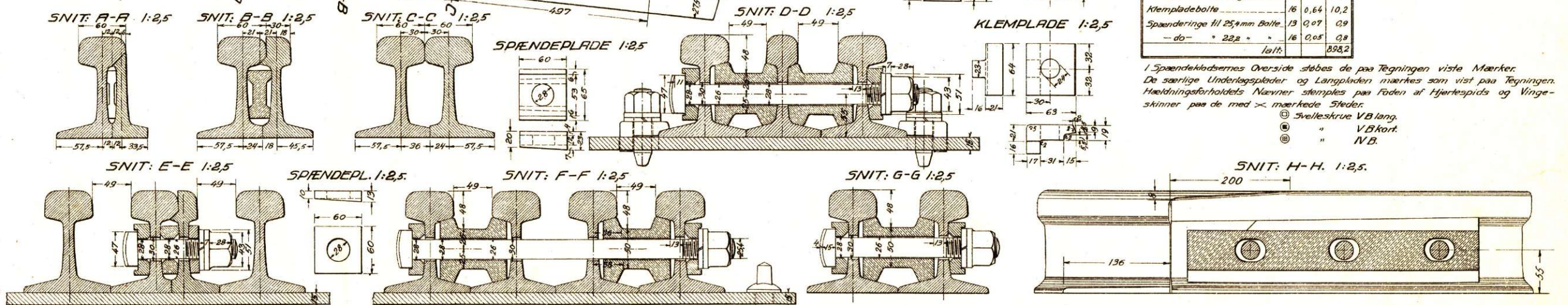


Materialfortegnelse.

| Krydsning 1:9                 | An-tal | à kg. | løft  | Et fuldstændig Sæt Tvangskinner | An-tal | à kg. | løft  |
|-------------------------------|--------|-------|-------|---------------------------------|--------|-------|-------|
| 5040mm. Skinner               | 2      | 18525 | 370,5 | 3500mm Tvangskinner             | 2      | 100,8 | 201,6 |
| 3786 "                        | 1      | 13392 | 133,9 | Smalle Spændeklodser            | 4      | 6,0   | 24,0  |
| 3379 "                        | 1      | 11710 | 117,1 | Brede -do-                      | 4      | 6,8   | 27,2  |
| Langplade                     | 1      | 129,5 | 129,5 | 254 mm Bolte                    | 16     | 1,9   | 19,7  |
| Særlige Underlagsplader       | 3      | 28,0  | 84,0  | Spændeplexer                    | 16     | 0,4   | 6,4   |
| Spændeplexer                  | 7      | 63,4  | 443,8 | Særlige Underlagsplader         | 8      | 7,8   | 62,4  |
| Spændeplexer store            | 23     | 0,4   | 9,2   | Klemplader                      | 24     | 0,7   | 16,8  |
| -do- smaa                     | 3      | 0,2   | 0,6   | Indskudsplader                  | 24     | 0,3   | 7,2   |
| 25,4 mm Bolte                 | 13     | 17,8  | 231,4 | Spænderinge til 25,4 mm Bolte   | 16     | 0,07  | 1,1   |
| Klemplader alm.               | 30     | 0,5   | 15,0  | -do- særlige                    | 16     | 0,05  | 0,8   |
| -do- særlige                  | 2      | 1,3   | 2,6   | løft                            |        |       | 366,4 |
| Klempladebolte                | 16     | 0,64  | 10,2  |                                 |        |       |       |
| Spænderinge til 25,4 mm Bolte | 13     | 0,07  | 0,9   |                                 |        |       |       |
| -do- særlige                  | 16     | 0,05  | 0,8   |                                 |        |       |       |
| løft                          |        |       | 898,2 |                                 |        |       |       |

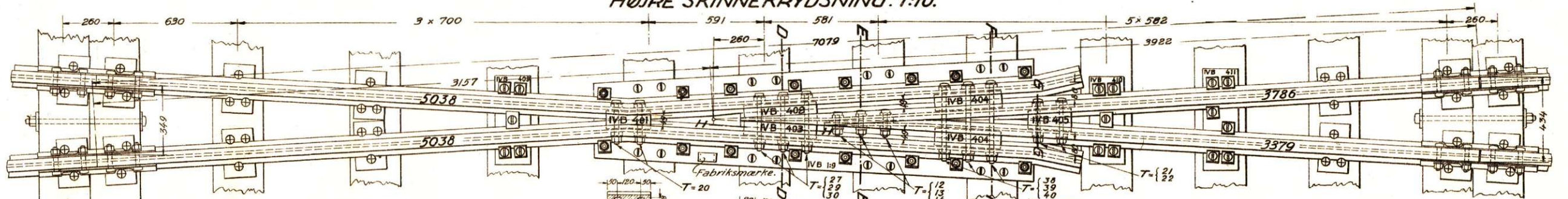
1. Spændeklodsernes Overside støbes de paa Tegningen viste Mærker. De særlige Underlagsplader og Langpladen mærkes som vist paa Tegningen. Hældningsforholdets Nævner stemples paa Foden af Hjertespidts og Vingeskinner paa de med x mærkede Steder.

⊙ Svelleskrue VB lang.  
⊙ " VB kort.  
⊙ " VB.



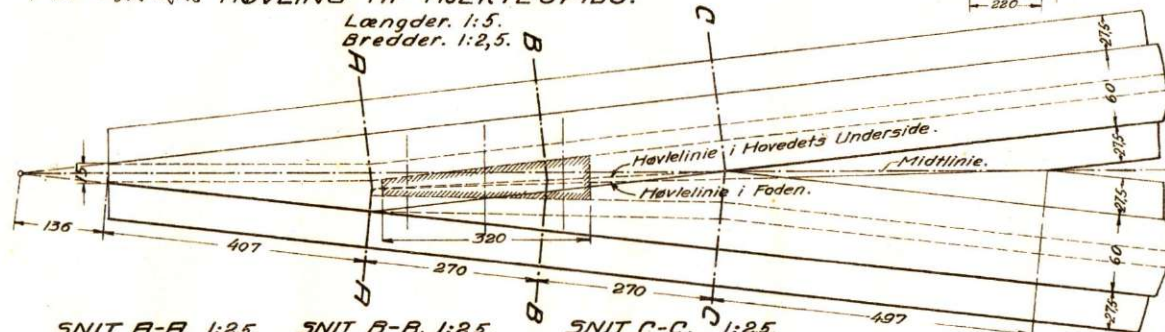


FULDUNGESPORSKIFTE 1:9.  
OVERBYGNING IV B.  
HØJRE SKINNEKRYDSNING. 1:10.

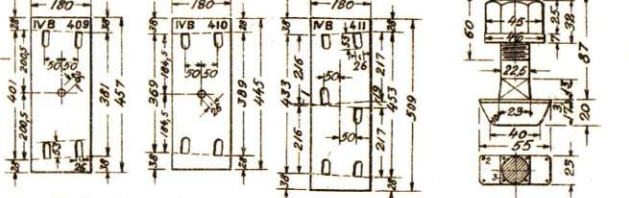


HØVLING AF HJERTESPIDS.

Længder. 1:5.  
Bredder. 1:2,5.



SÆRLIGE UNDERLAGSPLEDER 1:10. HÅGEBOLT. 1:2,5.  
Pladetykkelse 15 mm.

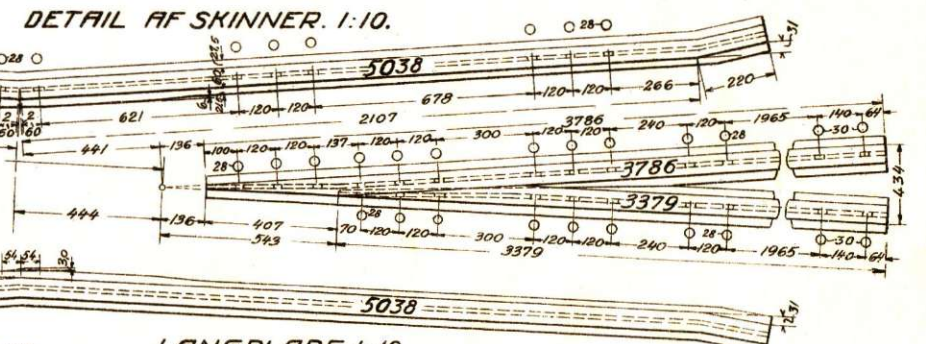
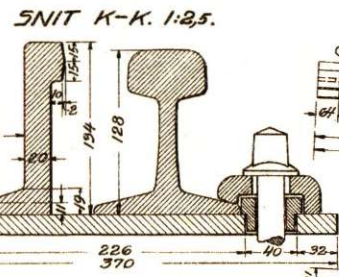
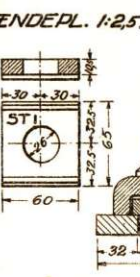
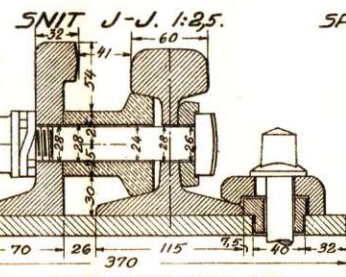
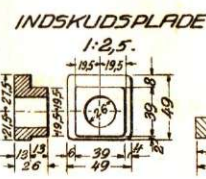
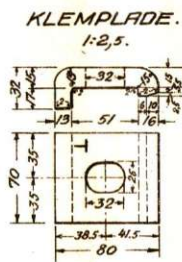
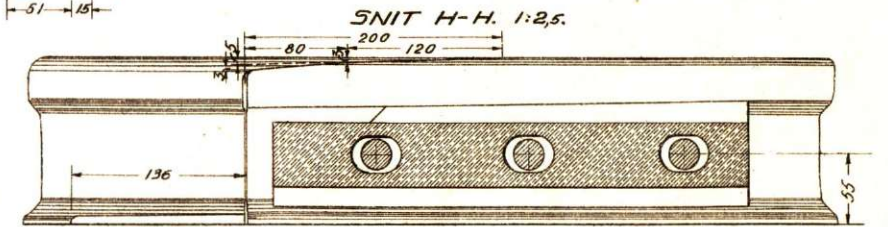
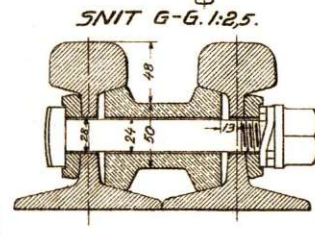
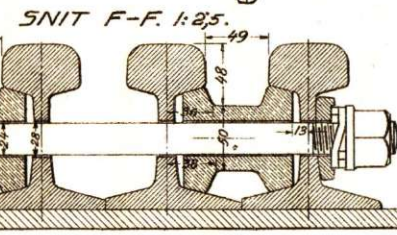
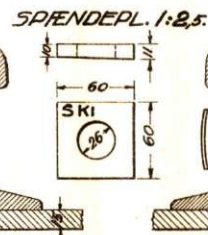
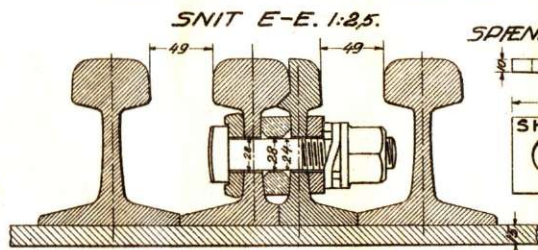
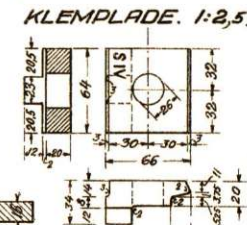
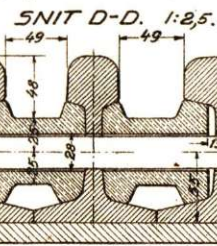
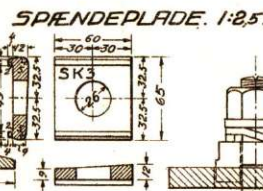
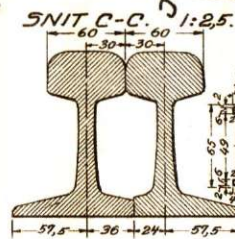
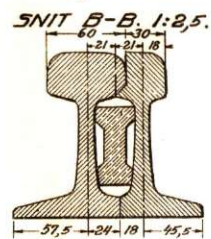
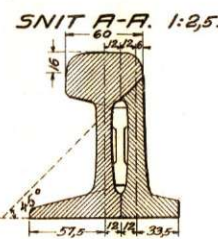


Materialfortegnelse.

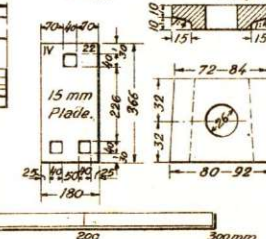
| Krydsning 1:9           | An-<br>tal | à kg   | løft<br>kg | Et fuldskendig Søet<br>Tvængskinner | An-<br>tal | à kg  | løft<br>kg |
|-------------------------|------------|--------|------------|-------------------------------------|------------|-------|------------|
| 5038mm. Skinner         | 2          | 185,32 | 370,6      | 3500mm Tvængskinner                 | 2          | 100,0 | 200,0      |
| 3786 " "                | 1          | 134,0  | 134,0      | Spændeklodser IVB18                 | 4          | 6,0   | 24,0       |
| 3379 " "                | 1          | 117,2  | 117,2      | " " IVB19                           | 4          | 6,8   | 27,2       |
| Langplade               | 1          | 13,1   | 13,1       | Tværbolte 24 mm                     | 16         | 1,4   | 22,4       |
| Særlige Underlagsplader | 3          | 27,8   | 83,4       | Underlagsplader IV22                | 8          | 7,2   | 57,6       |
| Spændeklodser           | 7          | 63,9   | 447,3      | Klemplader T                        | 24         | 0,7   | 16,8       |
| Spændepåler SK3         | 23         | 0,29   | 6,67       | Indskudsplader                      | 24         | 0,3   | 7,2        |
| -do SK1                 | 3          | 0,19   | 0,57       | Dobb. Spænderinge                   | 16         | 0,29  | 4,64       |
| Tværbolte 24 mm         | 13         | 16,6   | 215,8      |                                     |            |       |            |
| Klemplader SIV          | 30         | 0,56   | 16,8       |                                     |            |       |            |
| -do særlige             | 2          | 1,3    | 2,6        |                                     |            |       |            |
| Hagebolte 22,2 mm       | 16         | 0,66   | 10,6       |                                     |            |       |            |
| Dobb. Spænderinge       | 29         | 0,09   | 2,6        |                                     |            |       |            |
|                         | løft:      |        | 899,7      |                                     |            |       |            |

1 Spændeklodsens Overside støbes de paa Tegningen viste Mærker.  
De særlige Underlagsplader og Langpladen mærkes som vist paa Tegningen.

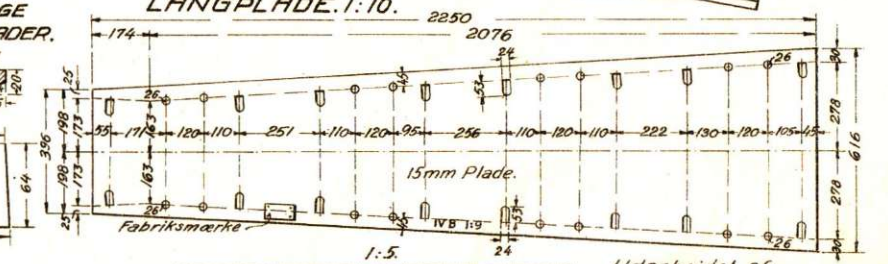
- ⊕ Svælskrue IVB. Bl. 5438
- ⊙ " VC. " 5507
- ⊙ " SS. " 5012



SÆRLIGE UNDERLAGSP. KLEMLADER. 1:10.



LANGPLADE. 1:10.

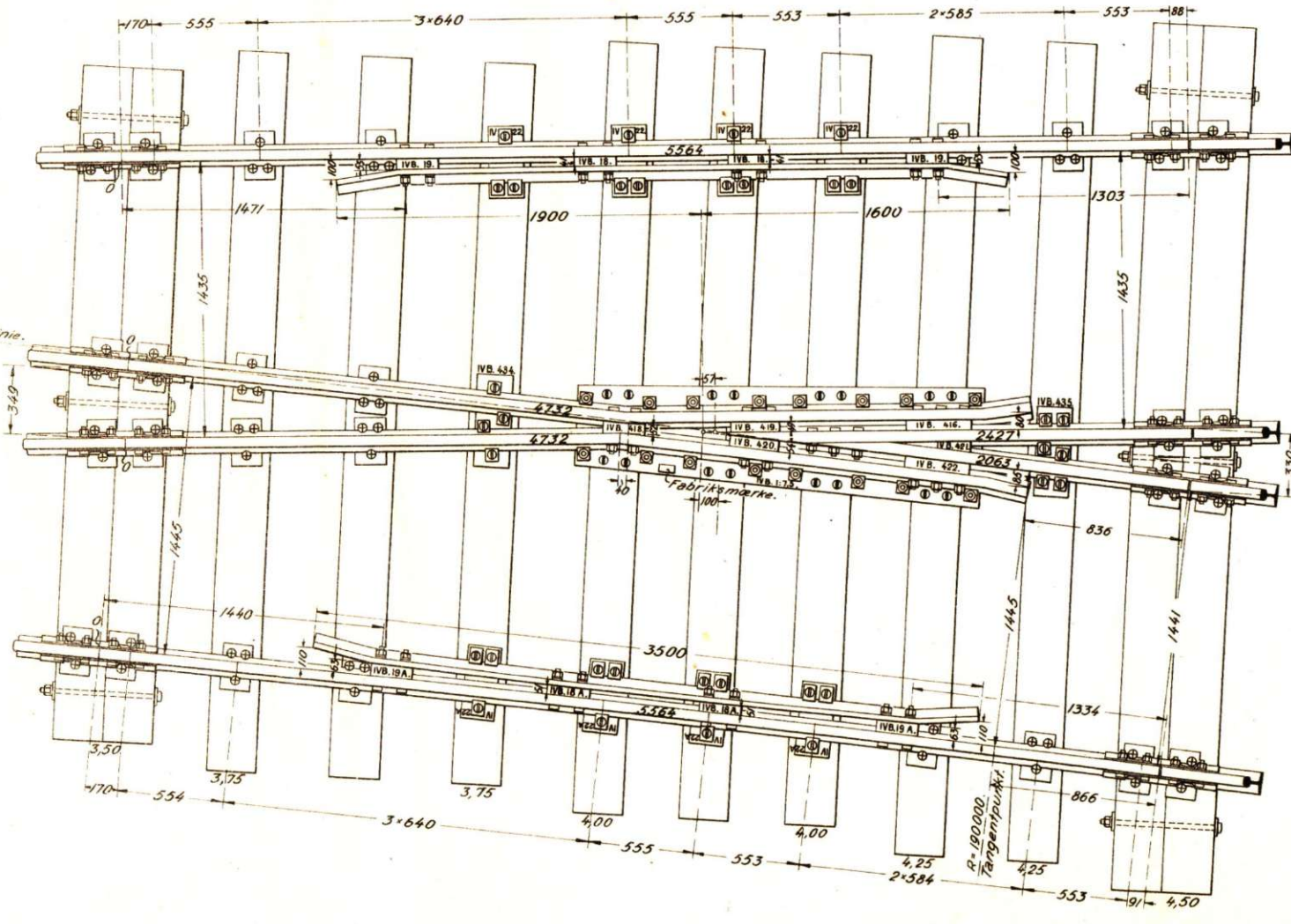
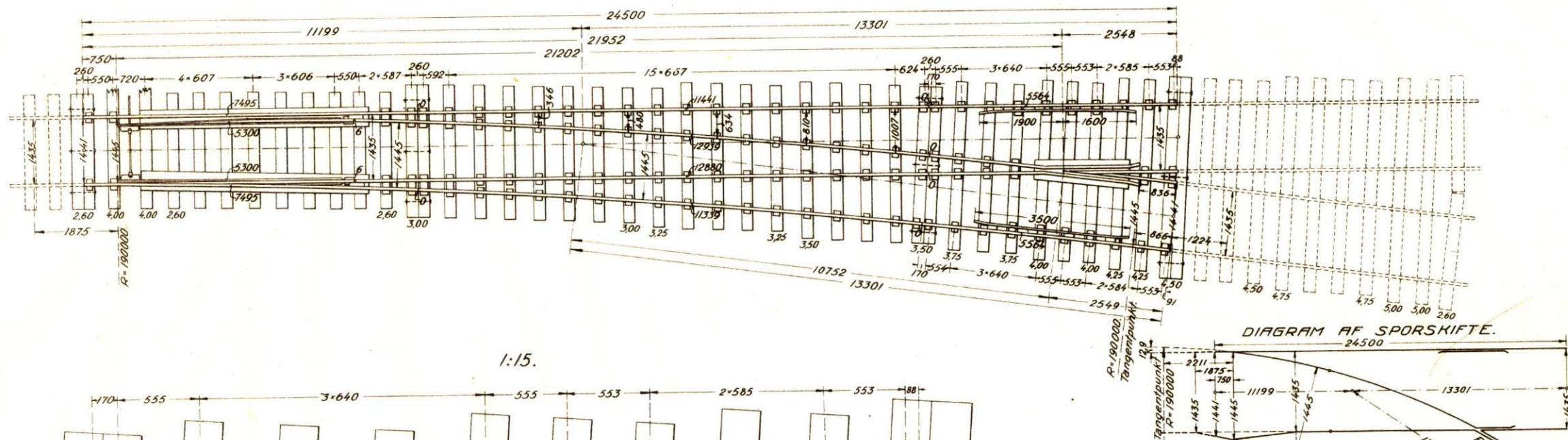


Udarbejdet af:

Erik Pedersen

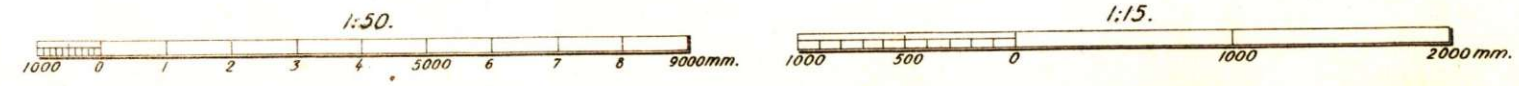


FULD TUNGESPORSKIFTE 1:7,5.



**MATERIALFORTEGNELSE.**

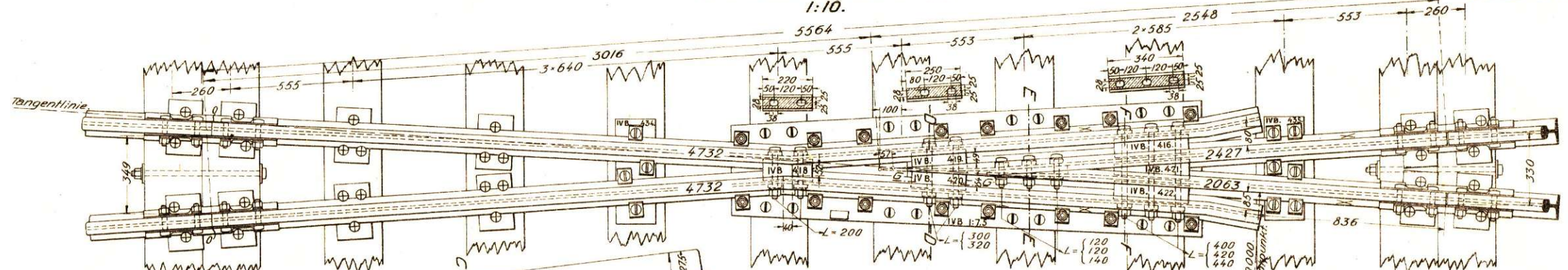
| Til et fuldstændigt Sporskifte 1:7,5 hører | Stk.     | a' kg    | Ialt kg |
|--|----------|----------|---------|
| 1 fuldstændig Tungeanordning 1:7,5         |          |          | 1983,3  |
| 1 " Krydsning 1:7,5                        |          |          | 755,2   |
| 1 " Sæt Tvangskinner                       |          |          | 359,0   |
| 12939 mm Skinne                            | 1        |          | 478,5   |
| 12880 " "                                  | 1        |          | 476,3   |
| 11441 " "                                  | 1        |          | 423,0   |
| 11339 " "                                  | 1        |          | 419,3   |
| 5564 " "                                   | 2205,004 |          | 410,0   |
| Normale Underlagsplader                    | 88       | 5,310    | 467,3   |
| Sporskifteskruer SS                        | 84       | 0,620    | 52,1    |
| Svelleskruer VC                            | 52       | 0,538    | 28,0    |
| " IVB                                      | 248      | 0,615    | 152,5   |
| L Lasker IVB                               | 18       | 10,090   | 181,6   |
| Laskebolte                                 | 36       | 0,847    | 30,5    |
| Dobbelte Spænderinge                       | 36       | 0,092    | 3,3     |
| Forbindelsesstang med 2 Gaffelbolte        | 1        |          | 15,1    |
| Ialt:                                      |          |          | 6235,0  |
| Koblede Sveller                            | 1        |          |         |
| Alm.                                       | 9        |          |         |
| Koblet Sporskiftelømmer 3,00               | 1        |          |         |
| " " " 3,50                                 | 1        |          |         |
| " " " 4,50                                 | 1        |          |         |
| Alm. " " 3,00                              | 7        |          |         |
| " " " 3,25                                 | 5        |          |         |
| " " " 3,50                                 | 4        |          |         |
| " " " 3,75                                 | 3        |          |         |
| " " " 4,00                                 | 5        |          |         |
| " " " 4,25                                 | 2        |          |         |
| " " " 4,50                                 | 3        | udenfor  |         |
| " " " 4,75                                 | 4        | Spor-    |         |
| " " " 5,00                                 | 2        | skiftet. |         |



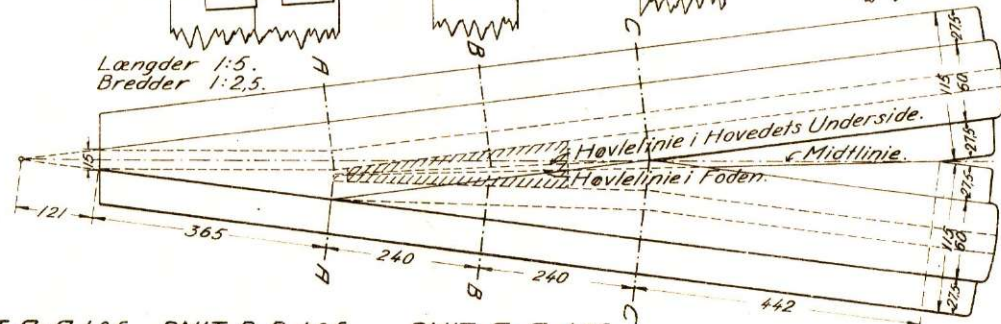
Udarbejdet af:  
Erik Pedersen



FULD TUNGESPORSKIFTE 1:7,5.  
SKINNEKRYDSNING.  
1:10.



Længder 1:5.  
Bredder 1:2,5.



SÆRLIGE UNDERLAGSPL. 1:10.

HAGEBOLT. 1:2,5.

MATERIALFORTEGNELSE.

| Krydsning 1:7,5      | Stk | à kg   | Ialt kg | Et fuldstændig Sæt Tvangskinner | Stk | à kg   | Ialt kg |
|----------------------|-----|--------|---------|---------------------------------|-----|--------|---------|
| 4732 mm Skinne       | 2   | 174,50 | 349,0   | 3500 mm Tvangskinne             | 2   | 100,03 | 200,1   |
| 2427 " "             | 1   |        | 83,6    | Spændeklodser                   | 8   |        | 54,0    |
| 2063 " "             | 1   |        | 71,7    | Tværbolte 24 mm                 | 16  |        | 16,1    |
| Langplade            | 1   |        | 125,9   | Spændeplader                    | 16  | 0,29   | 4,6     |
| Særlige Underlagspl. | 2   |        | 18,2    | Særlige Underlagsplader         | 8   |        | 58,5    |
| Spændeklodser        | 7   |        | 60,5    | Klemlader                       | 24  | 0,72   | 17,3    |
| Spændeplader store   | 17  | 0,29   | 4,9     | Indskudsplader                  | 24  | 0,29   | 6,9     |
| " små                | 3   | 0,19   | 0,6     | Dobbelte Spænderinge            | 16  | 0,09   | 1,5     |
| Tværbolte 24 mm      | 10  |        | 13,3    | Ialt:                           |     |        | 359,0   |
| Klemlader alm.       | 26  | 0,56   | 14,6    |                                 |     |        |         |
| Hagebolte 87 mm      | 16  | 0,66   | 10,6    |                                 |     |        |         |
| Dobbelte Spænderinge | 26  | 0,09   | 2,3     |                                 |     |        |         |
| Ialt                 |     |        | 755,2   |                                 |     |        |         |

- ⊕ Sporskifteskruer.
- ⊖ Svelleskruer V.C.
- ⊕ " " IVB.

I Spændeklodsernes Overside støbes de paa Tegningen viste Mærker. De særlige Underlagsplader og Langpladen mærkes som vist paa Tegningen. Hældningsforholdets Nævner stemples paa Foden af Hjerter- og Vingeskinner paa de med X mærkede Steder.

SNIT A-A 1:2,5.

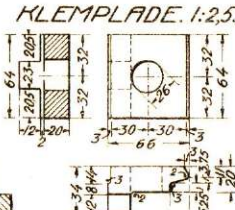
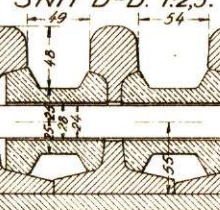
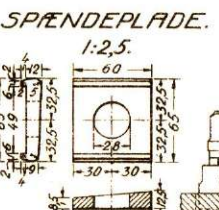
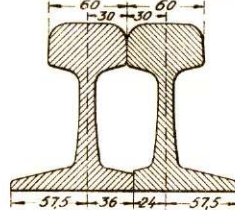
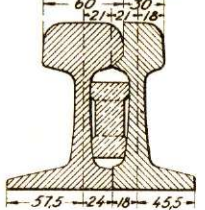
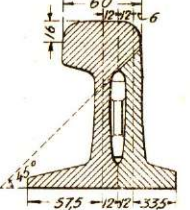
SNIT B-B 1:2,5.

SNIT C-C 1:2,5.

SPÆNDEPLADE. 1:2,5.

SNIT D-D 1:2,5.

KLEMLADE. 1:2,5.



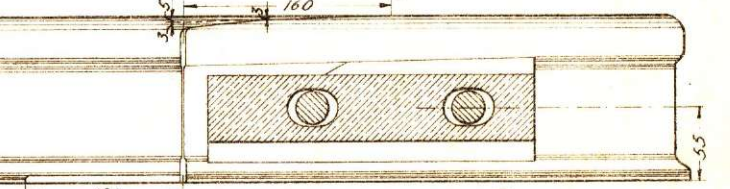
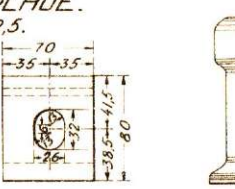
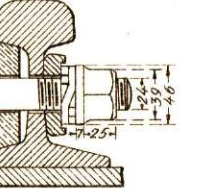
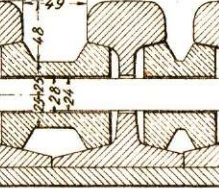
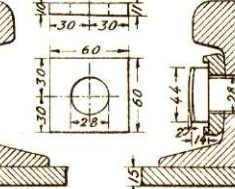
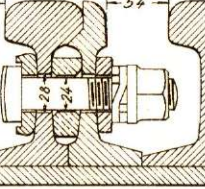
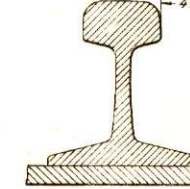
SNIT E-E 1:2,5.

SPÆNDEPL. 1:2,5.

SNIT F-F 1:2,5.

KLEMLADE. 1:2,5.

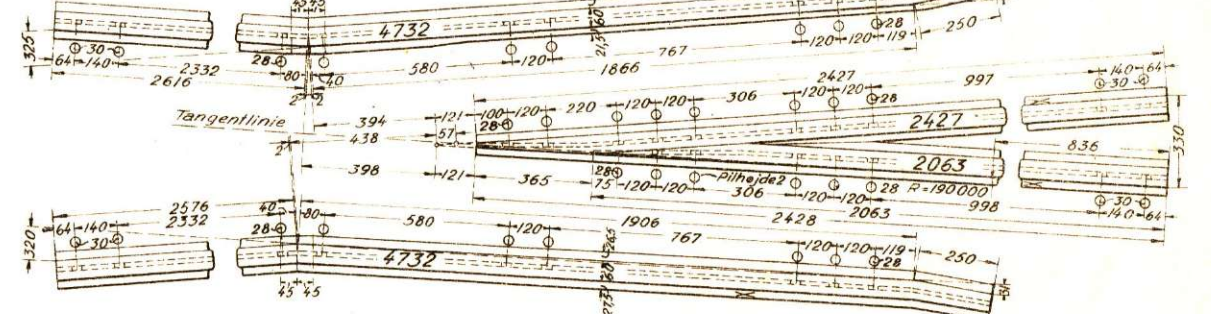
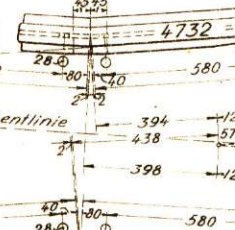
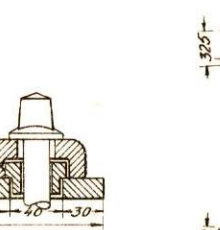
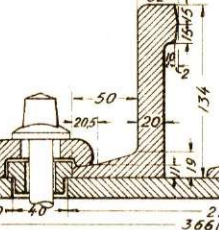
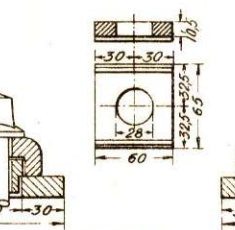
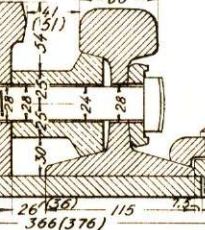
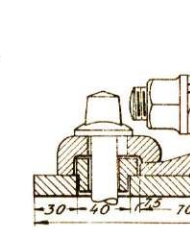
SNIT G-G 1:2,5.



SNIT H-H 1:2,5.

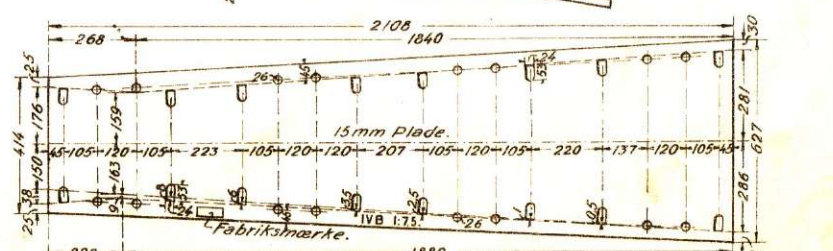
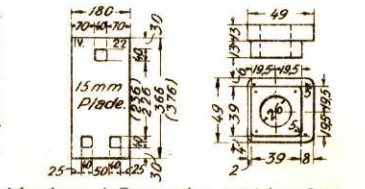
SPÆNDEPL. 1:2,5.

SNIT J-J 1:2,5.

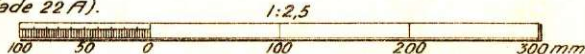
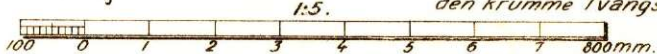
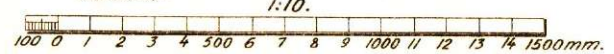


UNDERLAGSPL. 1:10.

INDSKUDSPL. 1:2,5.



Maalene i Parentes gælder for den krumme Tvangskinne. (Plade 22 A).



Udarbejdet af:  
Erik Polony



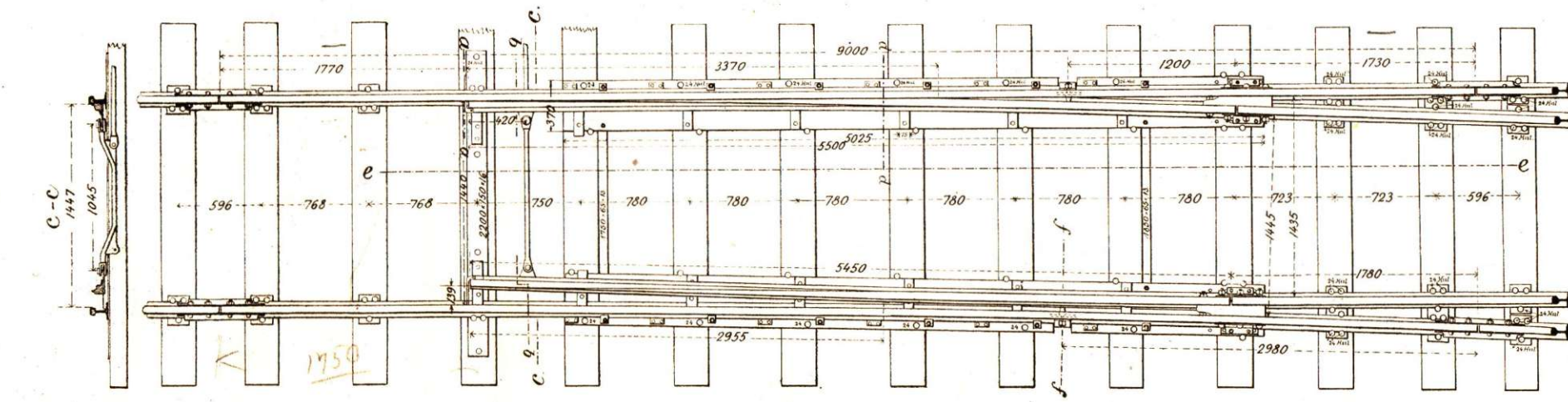
# Enkelt Sporskifte med Fuldklinger IV B.

## Højre Sporskifte.

1:20

Forlegelse over Sporskiftets enkelte Dele.

|   | Stk.     | Vægt i kg. |          |
|---|----------|------------|----------|
|   | pr. Stk. | pr. Stk.   | pr. Stk. |
| 9000 m m Sidebjørne hver med 1 Tungestøtte og 1 Stemmelaste   | 2        | 675        |          |
| 5500 m m Fuldklinger med 1 Lapp   | 1        | 262        |          |
| 5450 m m " " " "  | 1        | 260        |          |
| 5025 · 370 · 13 m m Langplader hver med 1 sætlig Glidestole, 5 atm. Støtteplade, 6 atm. Støtteplader og 1 parrett Fødsplade | 9        | 228,20     | 456,6    |
| 2200 · 150 · 16 m m Tverplade med 2 Glidestole  | 1        | 52,4       | 52,4     |
| Førbindingsskifter mellem Langpladerne med 4 Bolte  | 2        |            | 25,6     |
| Førbindingsskifte mellem Tungerne med 2 Gaffelbolte   | 1        | 14,5       | 14,5     |
| Almindelige Fodplader   | 12       | 0,35       | 3,9      |
| Fodplader ved Tungeroden  | 2        | 4,05       | 2,1      |
|   | 2        | 4,02       | 4,0      |
| Almindelige Fodpladebolte   | 12       | 0,35       | 4,0      |
| Fodpladebolte ved Tungeroden  | 8        | 0,35       | 2,8      |
| Tungevodslaster   | 2        | 4,28       | 8,6      |
| Spundestøtter   | 2        | 4,53       | 8,1      |
| Spundestøtte ved Tungeroden   | 2        |            | 36,3     |
| Spundelodsbolte lange   | 6        | 4,08       | 24,5     |
| " korte   | 2        | 4,17       | 8,0      |
| 375 · 200 · 13 m m Underlagsplader  | 2        | 7,66       | 15,3     |
| 400 · 200 · 13 m m " "  | 2        | 8,0        | 16,0     |
| Løsebolte passende til begge Tungere  | 2        | 0,5        | 1,0      |
| Tungestang med 2 Gaffelbolte  | 1        | 27,8       | 27,8     |
|   |          |            | 1879,7   |

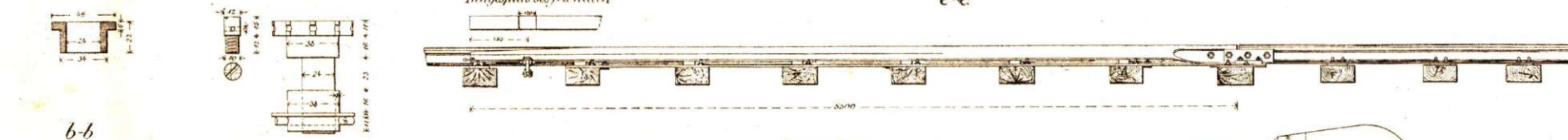


Staabøsning

Ekscentrik

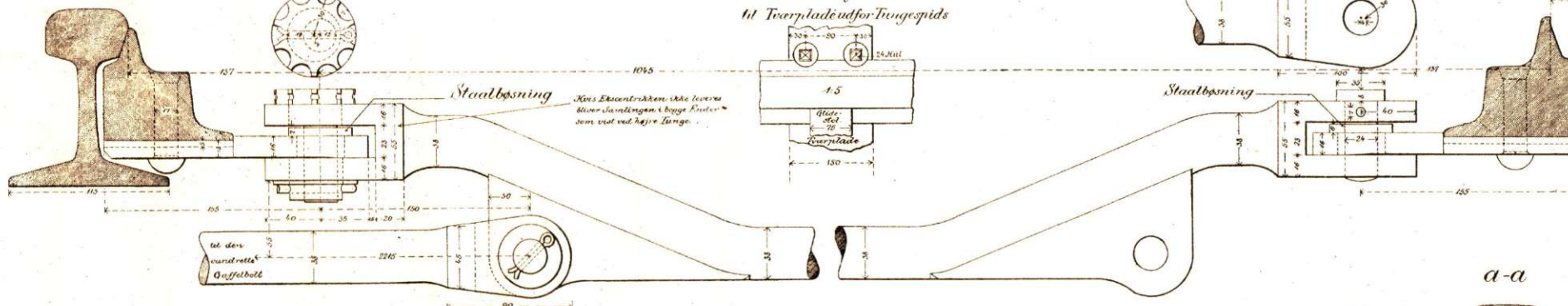
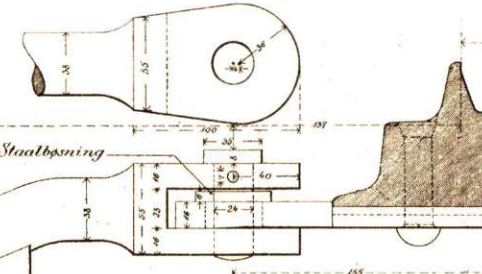
Tungespids set fra neden

e-e

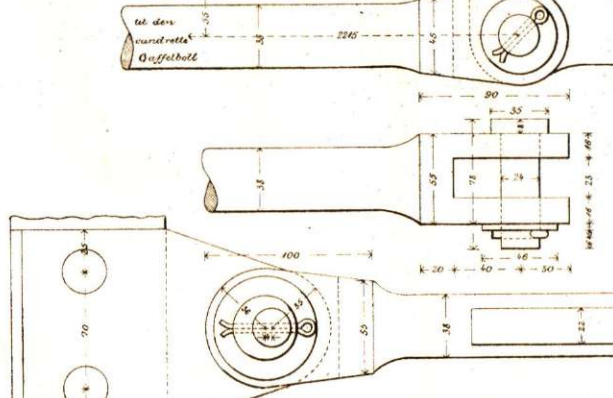
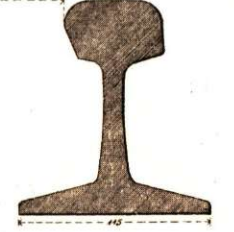


b-b

Skinnens Befæstelse til Tverplade udfor Tungespids



b-b

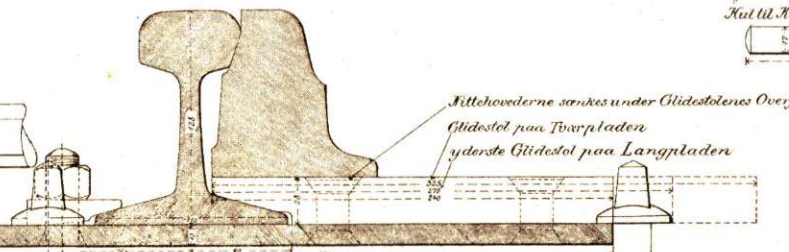


Fodpladebolt

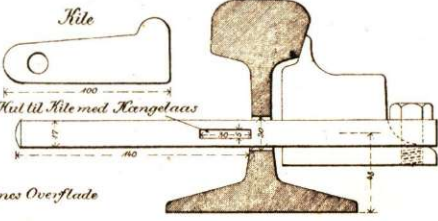
Fodplade

Støtteplade

d-d



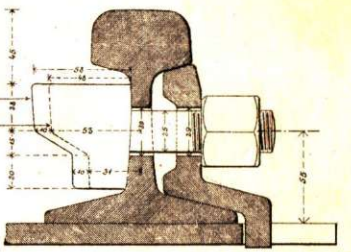
a-a



Kile

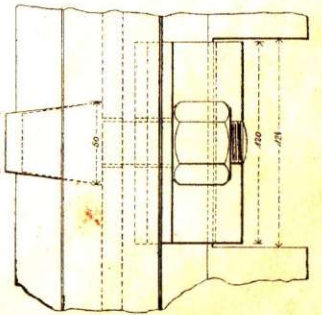
Kil til Kile med Kauglæs

ff



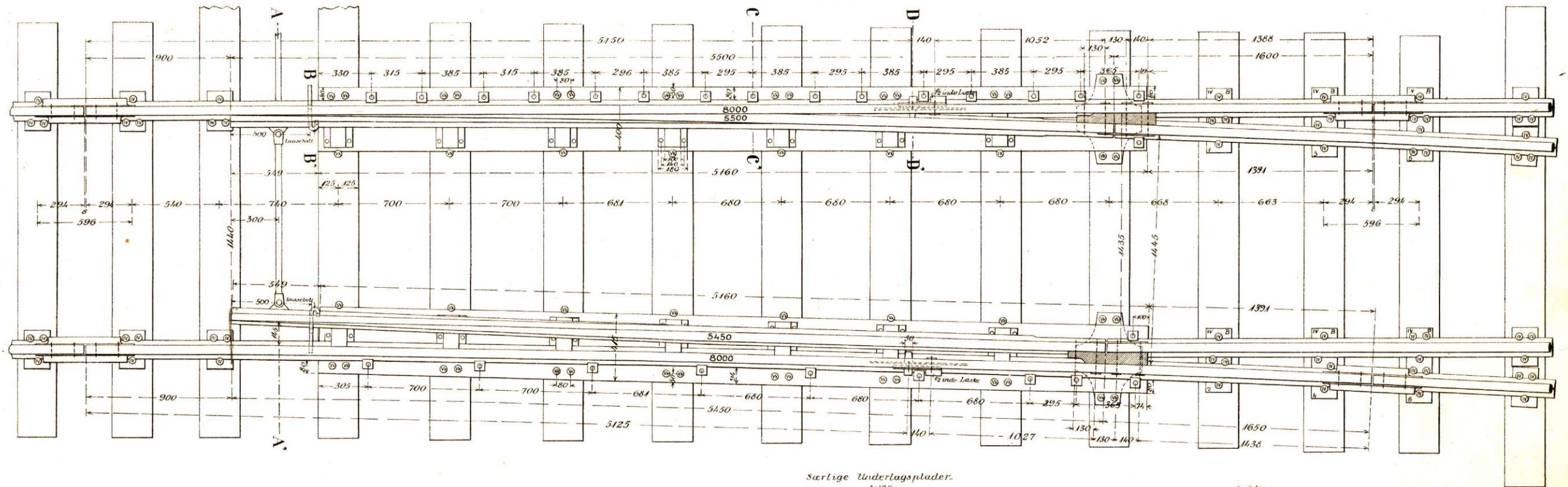
Tungestøtte for den lige Tunge

Tungestøtte for den krumme Tunge

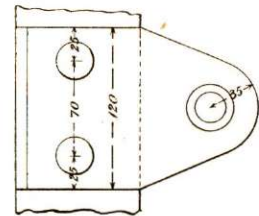
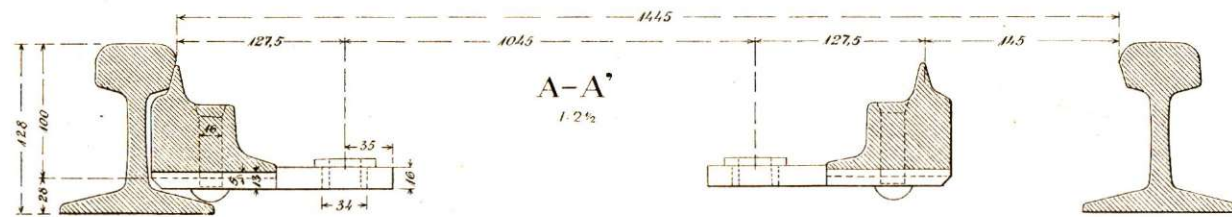
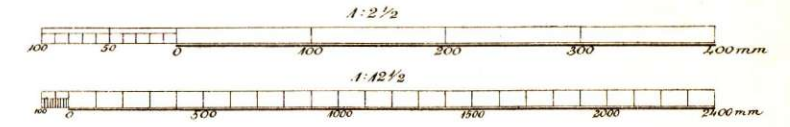
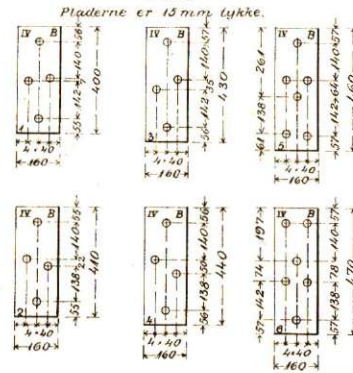




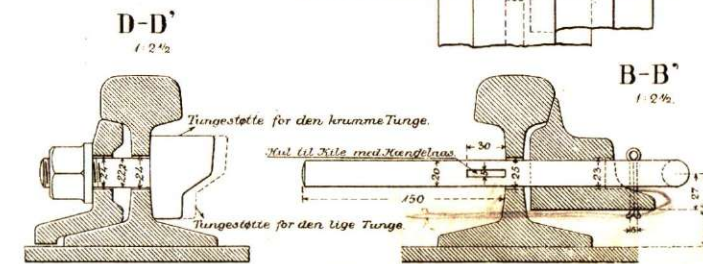
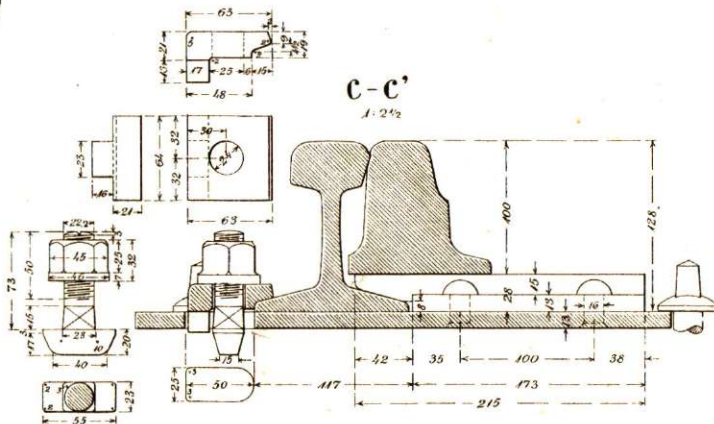
Tungeanordning til Højre-Sporskifte.  
(M. h. t. Detaljer af Tunge og Tunge rod se Blad 427<sup>c</sup> & 428<sup>c</sup>).  
Plan af Tungeanordningen.  
1:12 1/2.



Særlige Underlagsplader.  
1:12 1/2



Staalbøsning.  
1:2 1/2



Materialfortegnelse.

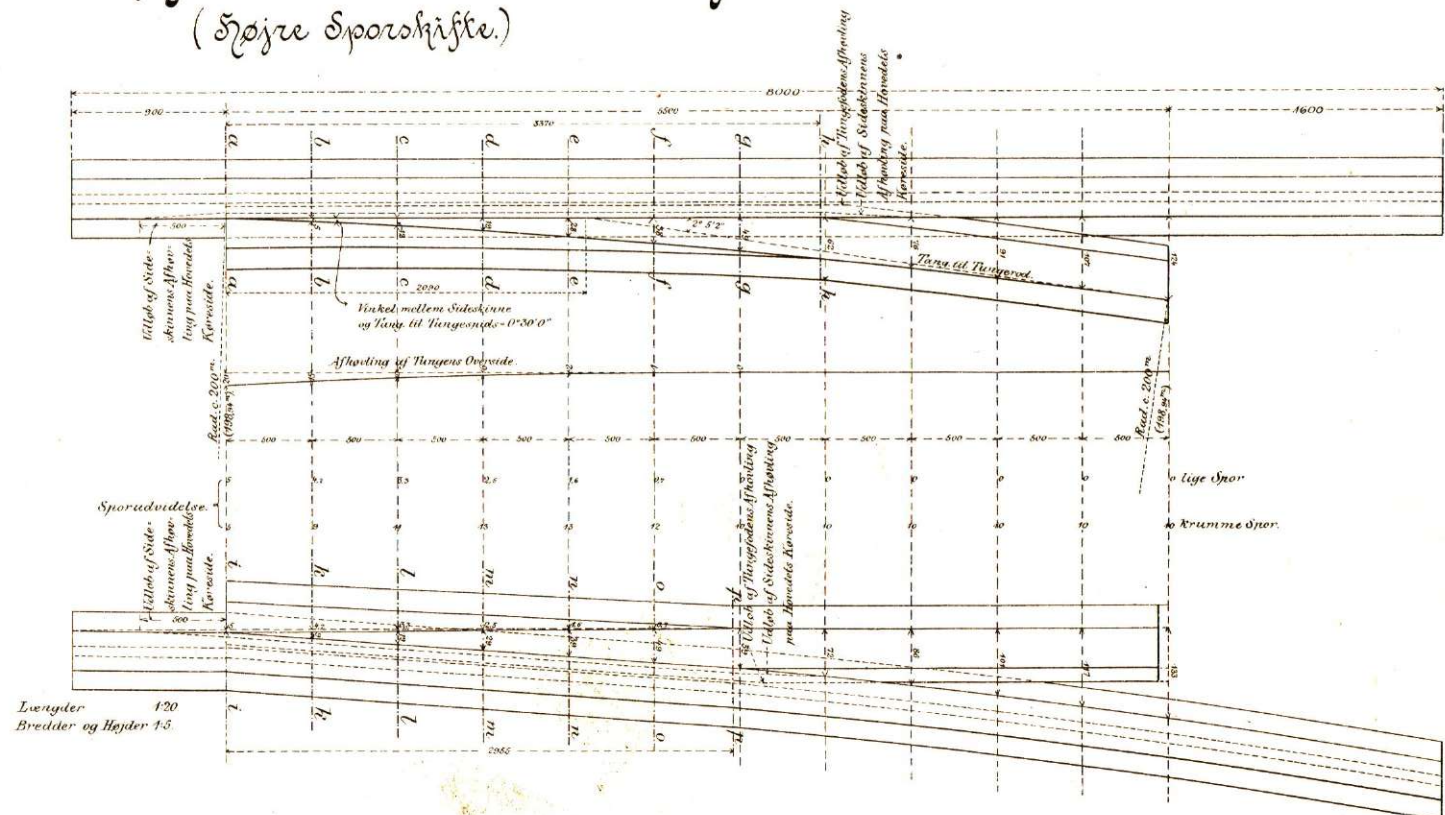
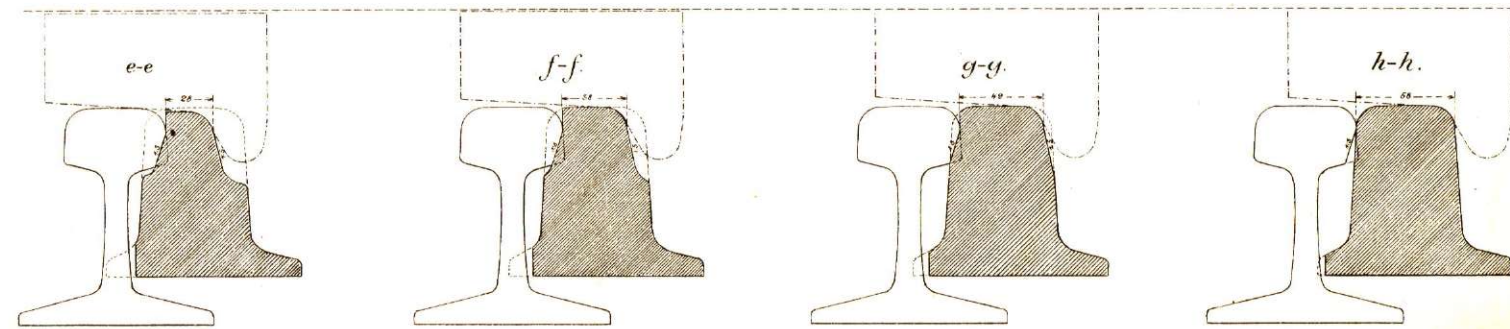
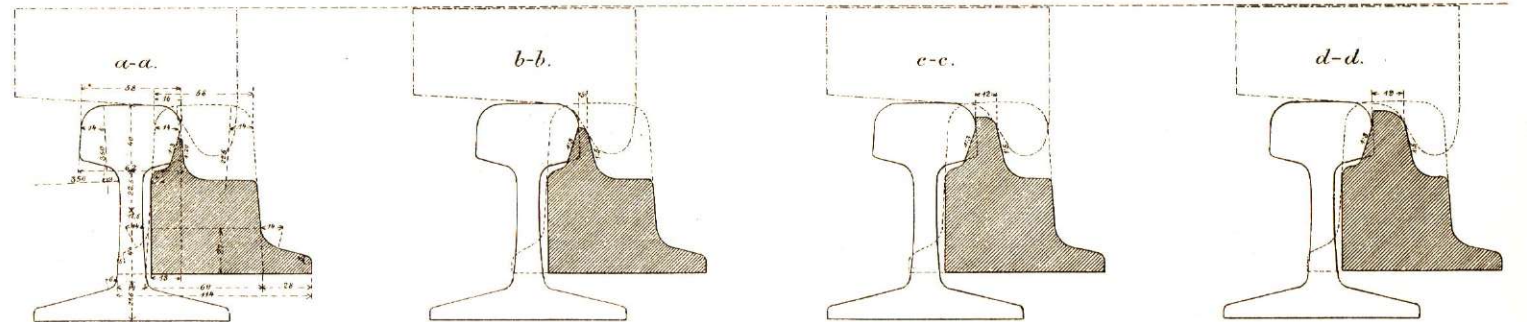
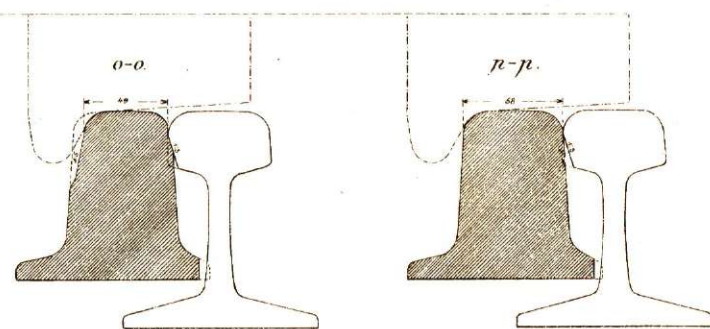
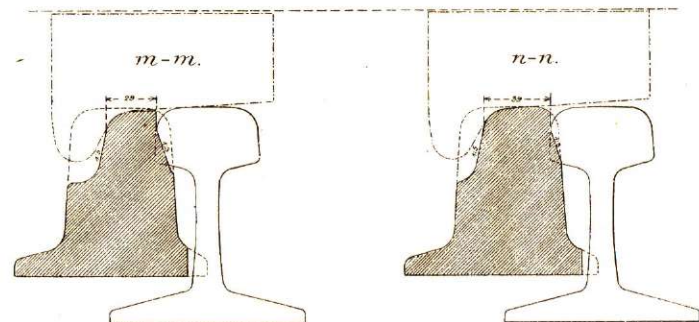
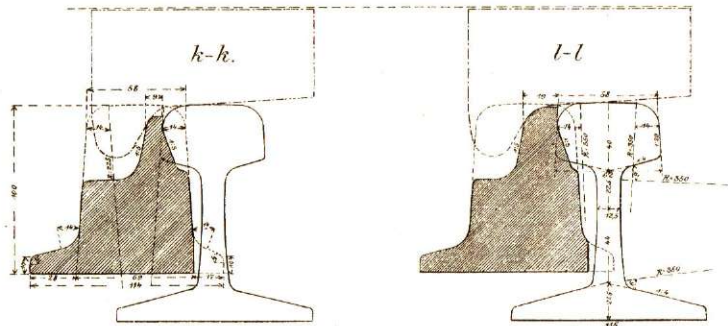
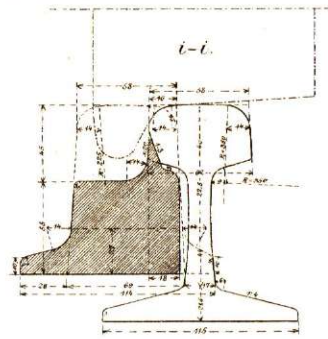
|   | Antal | kg  | Toll<br>kg |
|---|-------|-----|------------|
| 8000 mm Sideskinner   | 2     | 296 | 592        |
| 5500 - - Fuldunge med Lap og Staalbøsning   | 1     | 262 | 262        |
| 5450 - - - - -  | 1     | 260 | 260        |
| Tungestøtte   | 2     | 1,1 | 2,2        |
| 1/2 inde laske til do   | 2     | 5,7 | 11,4       |
| Laskebolt til do  | 2     |     | 1,6        |
| 5160 · 400 · 13 mm Langplade med<br>7 Glidestole og 1 paantillet Forstærkningspl. | 1     | 266 | 266        |
| 5160 · 416 · 13 mm do   | 1     | 274 | 274        |
| Kileplader  | 26    | 0,5 | 13         |
| Kilepladebolte  | 26    | 0,5 | 13         |
| Tunge rodslasker  | 2     | 4,3 | 8,6        |
| Spændeplader  | 8     | 0,4 | 3,2        |
| Spændeklodser ved Tunge roden   | 2     |     | 38,3       |
| Spændeklodsbolte, lange   | 6     |     | 8,3        |
|   | 2     |     | 5          |
| Særlig Underlagsplade № 1   | 1     | 7,6 | 7,6        |
| · · · · ·   | 2     | 1   | 7,7        |
| · · · · ·   | 3     | 1   | 8,1        |
| · · · · ·   | 4     | 1   | 8,3        |
| · · · · ·   | 5     | 1   | 8,7        |
| · · · · ·   | 6     | 1   | 8,9        |
| Laasebolte med Kile passende til<br>begge Tunger                                  | 2     | 1   | 2          |
|   | Jull  |     | 1807,8     |

Trækstang med Forbindelsesstang mellem Tungerne  
er Fabrikanten uedkommende.  
I Spændeklodsernes ene Sideflade støbes Tallet IX  
Fabrikationsmærke stemples i Langplade, Tunge og  
Skuffefod.



# Enkelt Sporokifte med Endklinger.

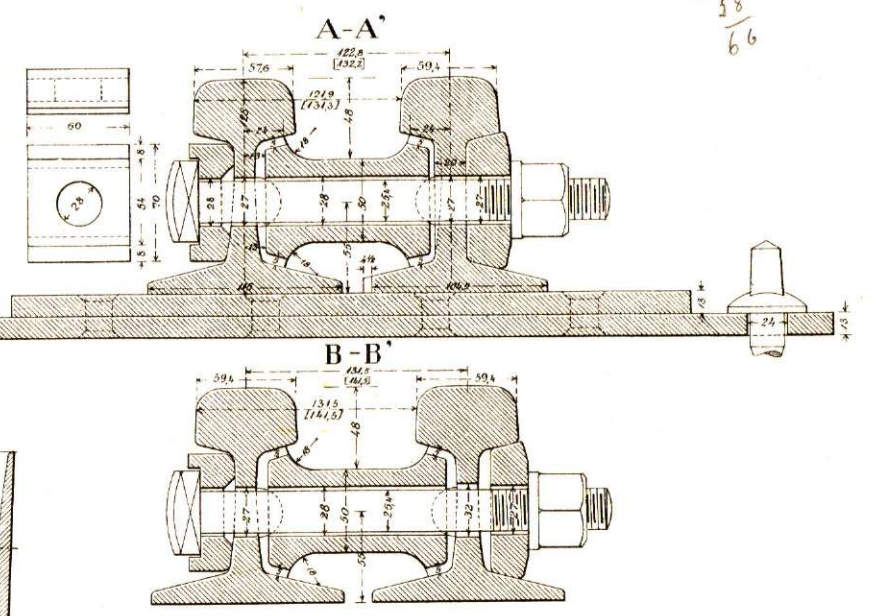
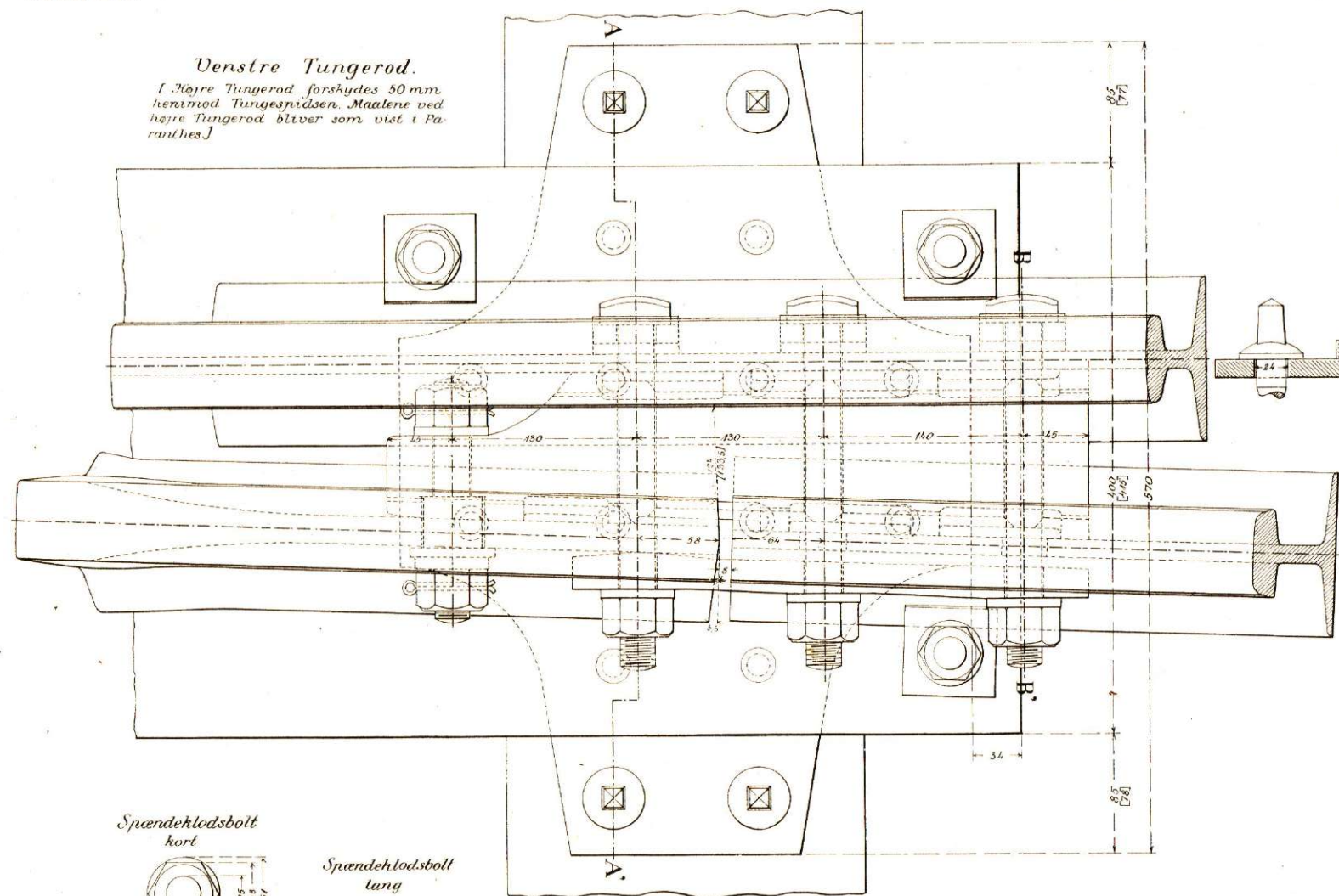
(Spørr Sporokifte.)





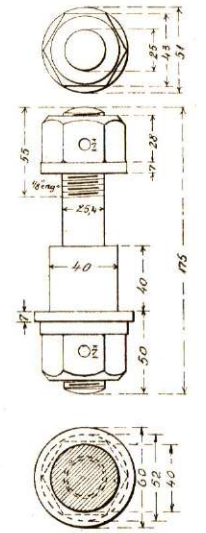
# Tungeanordning til Højre-Sporstifte.

Venstre Tungerod.  
[Højre Tungerod forskydes 50 mm  
henimod Tungepidsen. Maalene ved  
højre Tungerod bliver som vist i Pa-  
ranthes.]

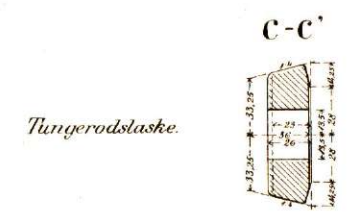


124  
58  
66

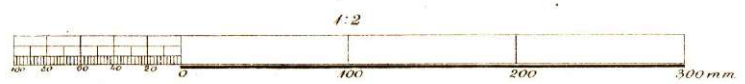
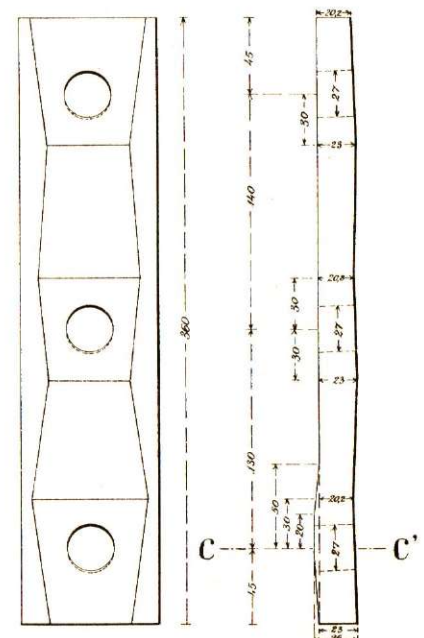
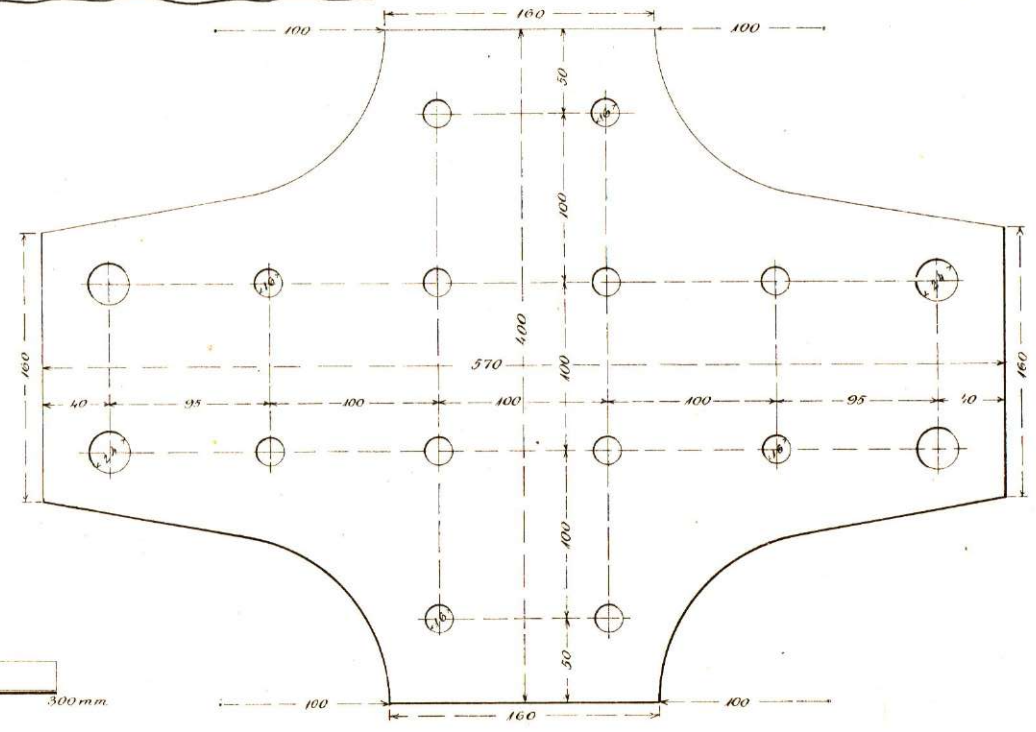
Spændelødsbolt  
kort



Spændelødsbolt  
lang

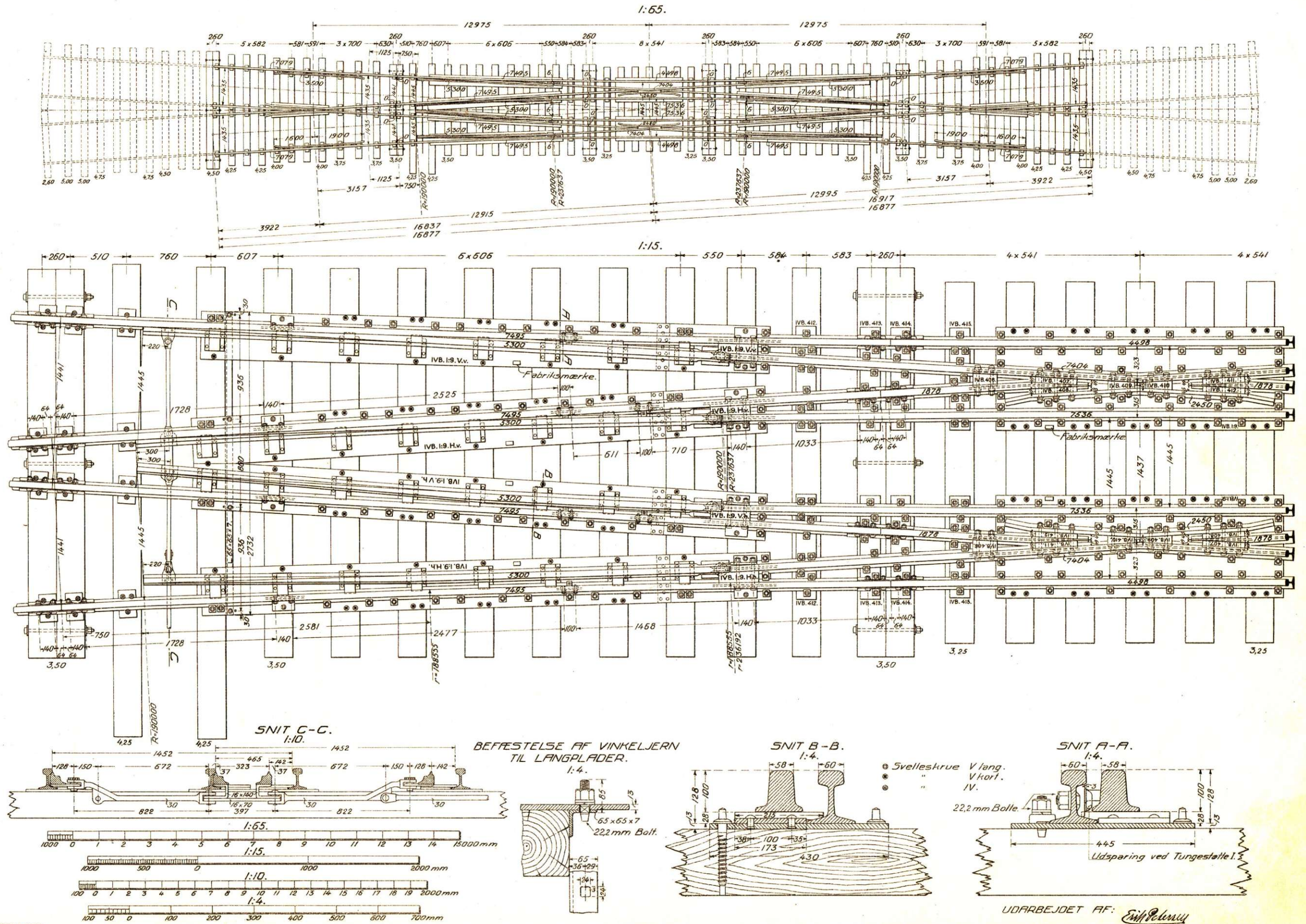


Tungerodslaske.





KRYDSNINGSSPORSKIFTE 1:9.  
PLAN AF HELT KRYDSNINGSSPORSKIFTE.



UDARBEJDET AF: *Emil Pedersen*

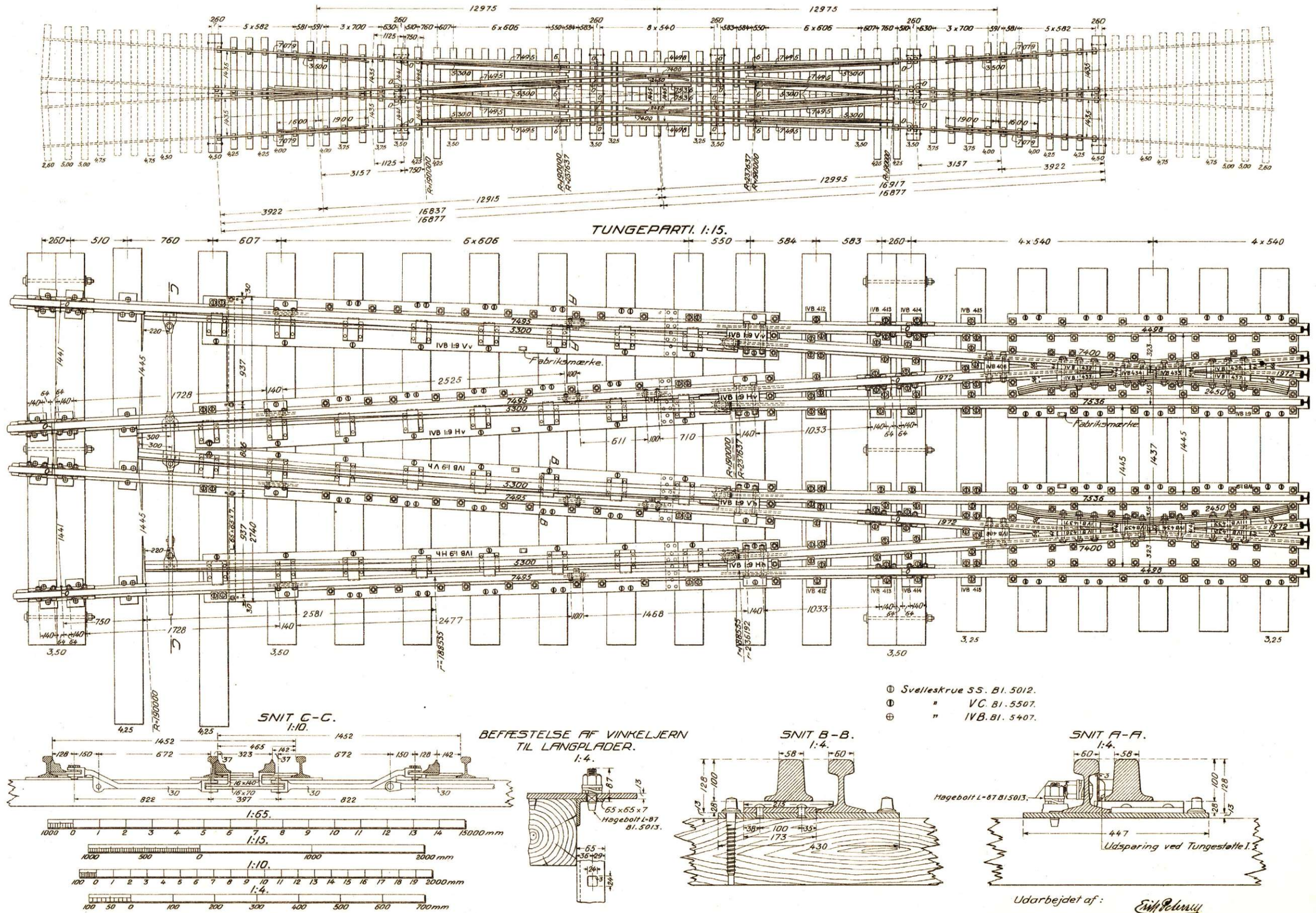


# KRYDSNINGS SPORSKIFTE 1:9.

## OVERBYGNING IVB.

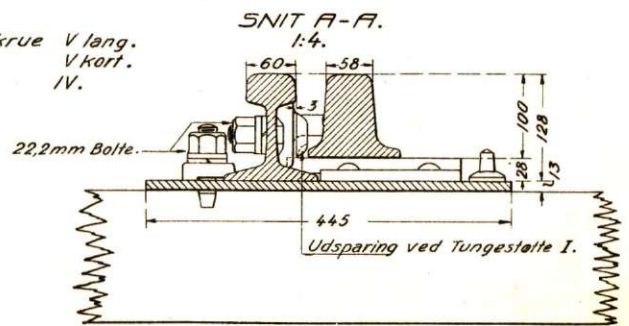
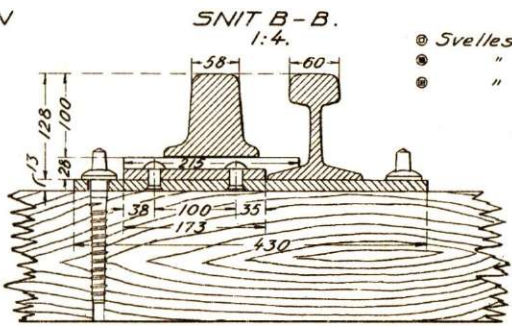
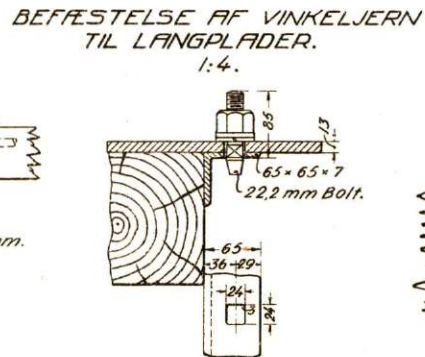
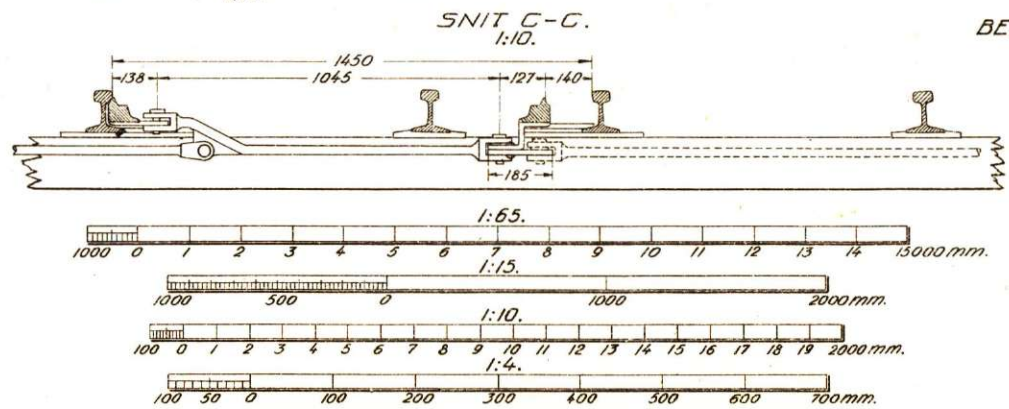
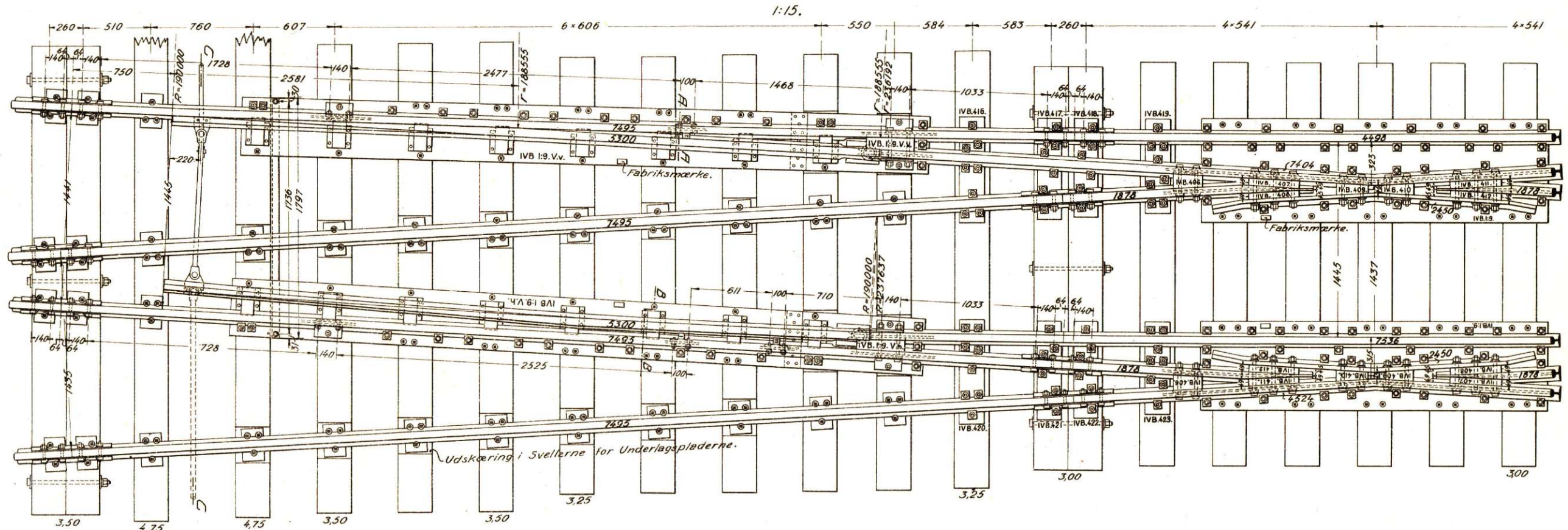
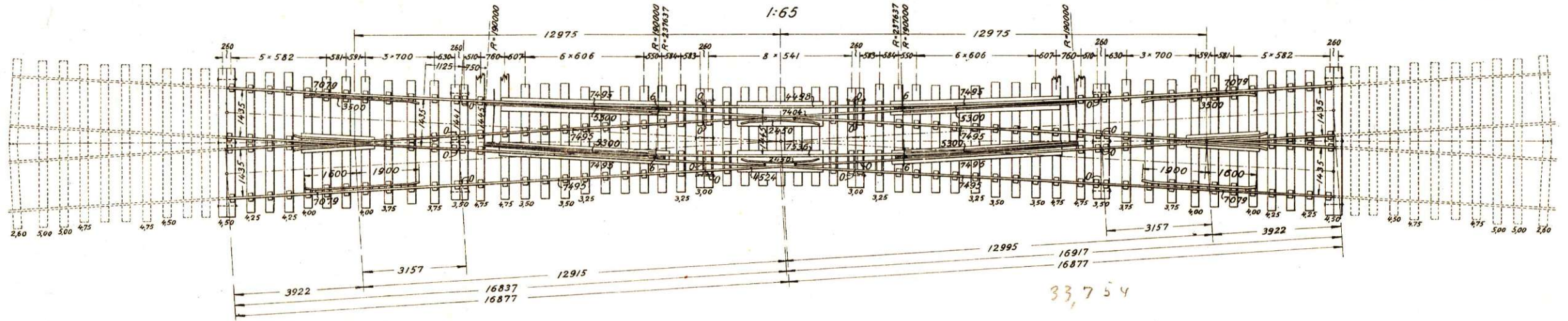
### PLAN AF HELT KRYDSNINGSSPORSKIFTE.

Detaller til denne Plan findes paa Bl. 418, 419, 420, 421 og 432.  
Plan 1:65.





# KRYDSNINGSSPORSKIFTE 1:9. PLAN AF HALVT KRYDSNINGSSPORSKIFTE.



● Svelleskrue V lang.  
● " " V kort.  
● " " IV.

UDARBEJDET AF: *E. H. Almqvist*



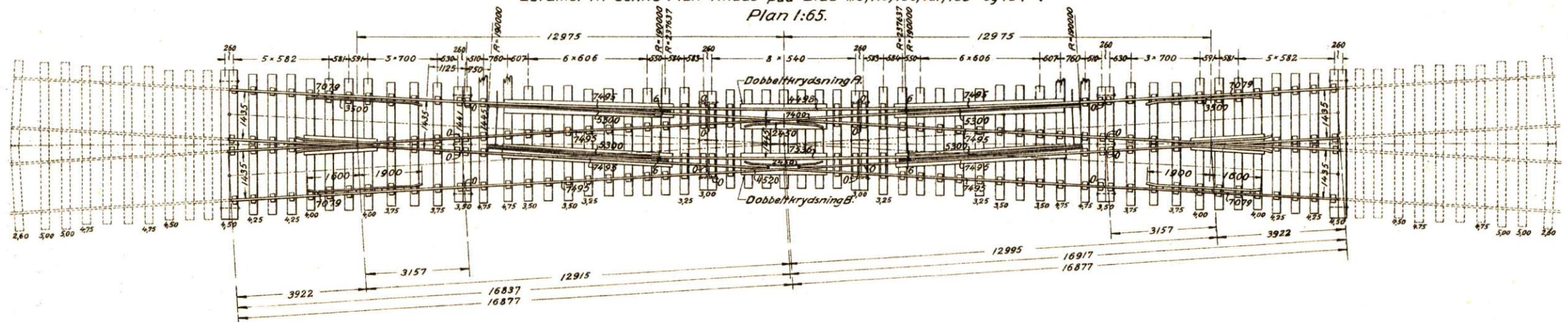
# KRYDSNINGSPORSKIFTE 1:9.

OVERBYGNING IVB.

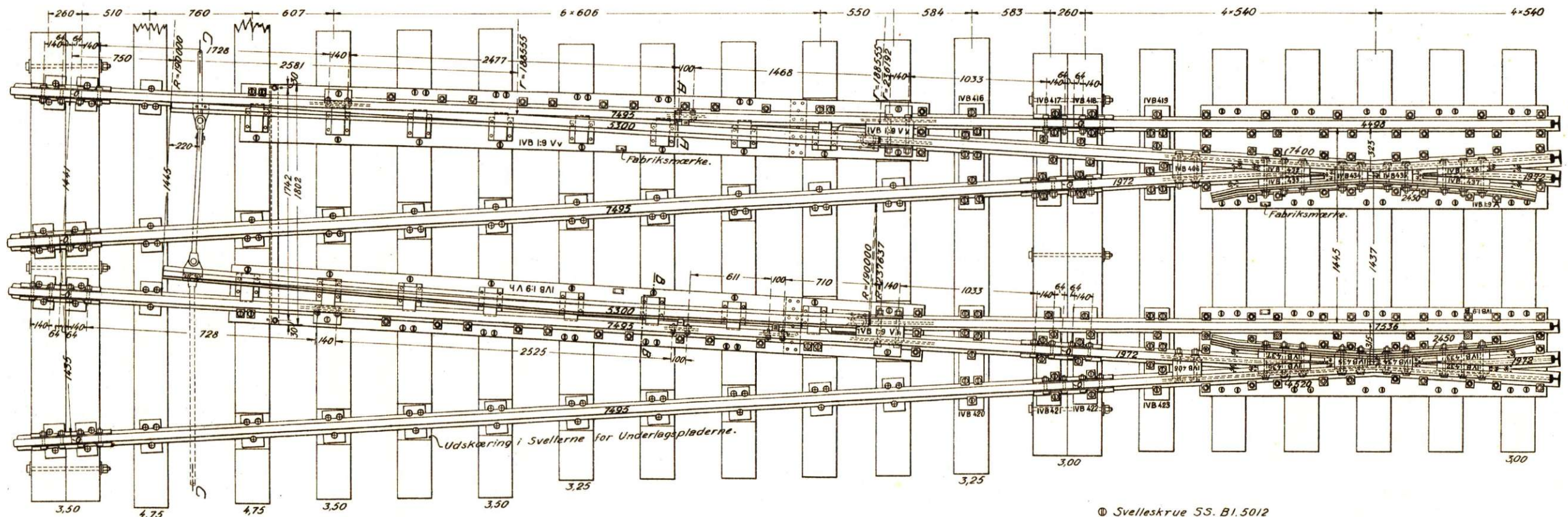
## PLAN AF HALVT KRYDSNINGSPORSKIFTE.

Detaller til denne Plan findes paa Blad 418, 419, 420, 421, 433a og 434a.

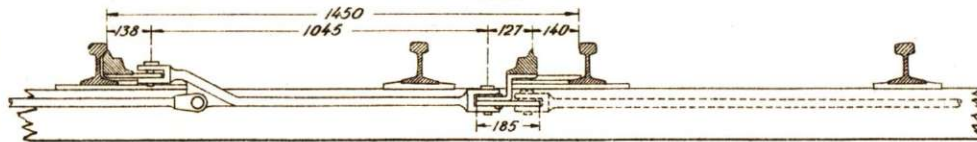
Plan 1:65.



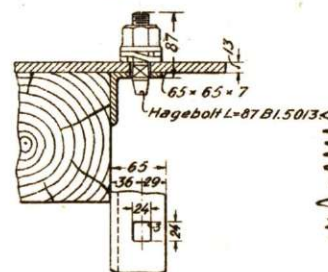
### TUNGEPARTI. 1:15.



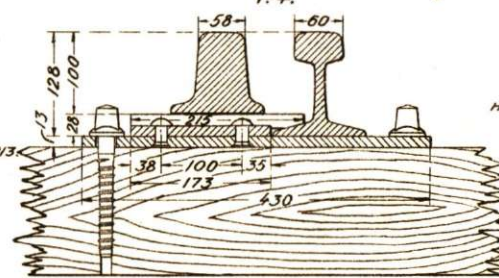
#### SNIT C-C. 1:10.



#### BEFÆSTELSE AF VINKELJERN TIL LANGPLADER. 1:4.

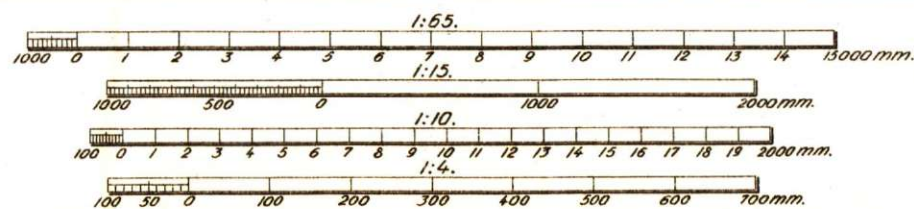
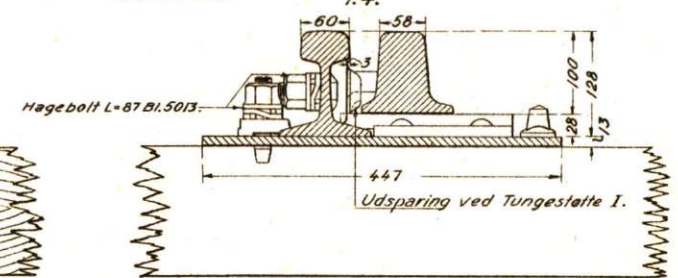


#### SNIT B-B. 1:4.



- ⊙ Svellerkrue SS. BI.5012
- ⊙ " VC. BI.5507
- ⊙ " IVB. BI.5407

#### SNIT A-A. 1:4.



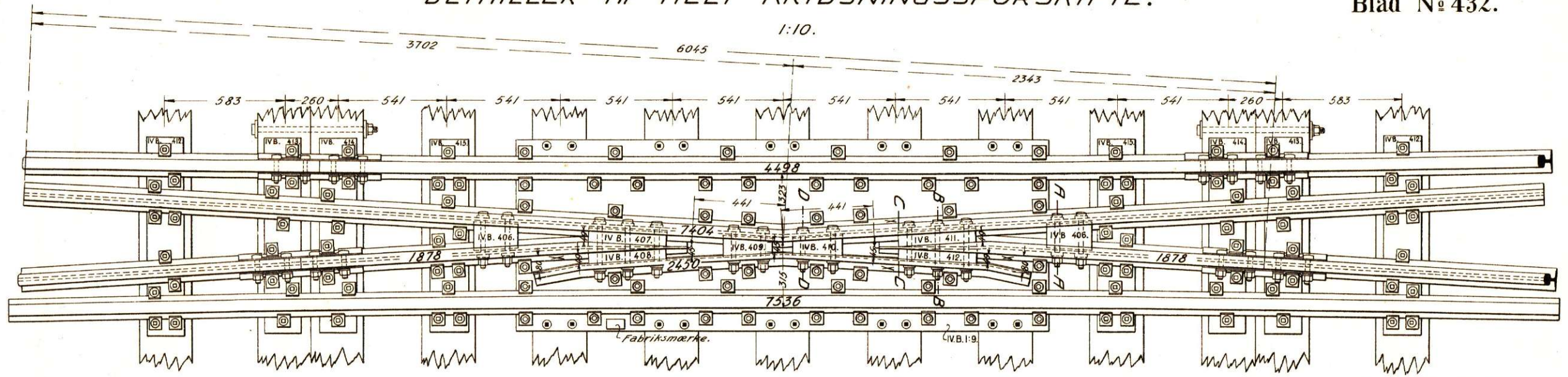
Udarbejdet af:

*Erik Blomby*

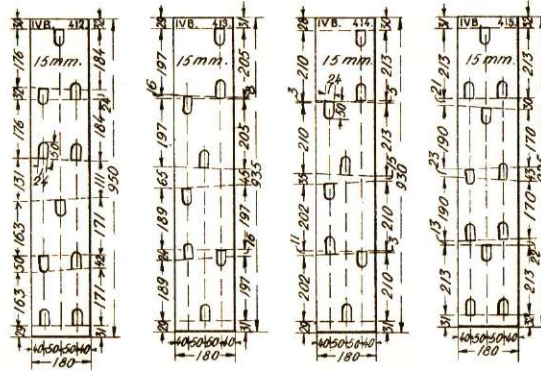


# KRYDSNINGSSPORSKIFTE 1:9.

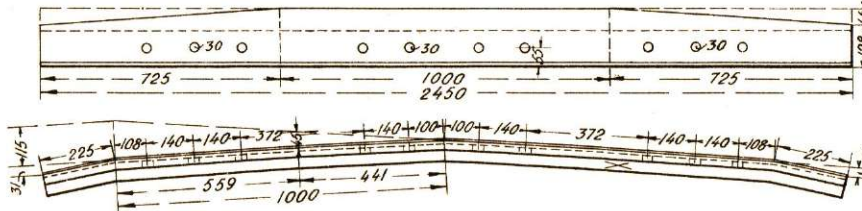
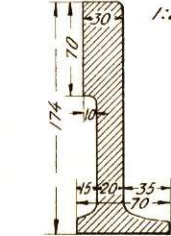
## DETAILLER AF HELT KRYDSNINGSSPORSKIFTE.



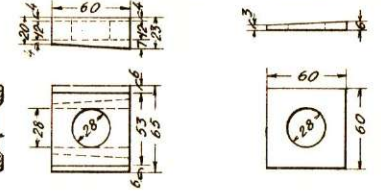
SÆRLIGE UNDERLAGSPLADER.  
1:10.



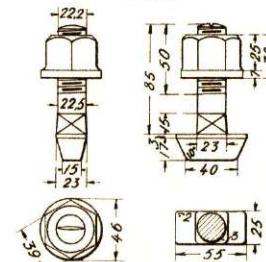
TVANGSKINNEPROFIL.  
1:2.5.



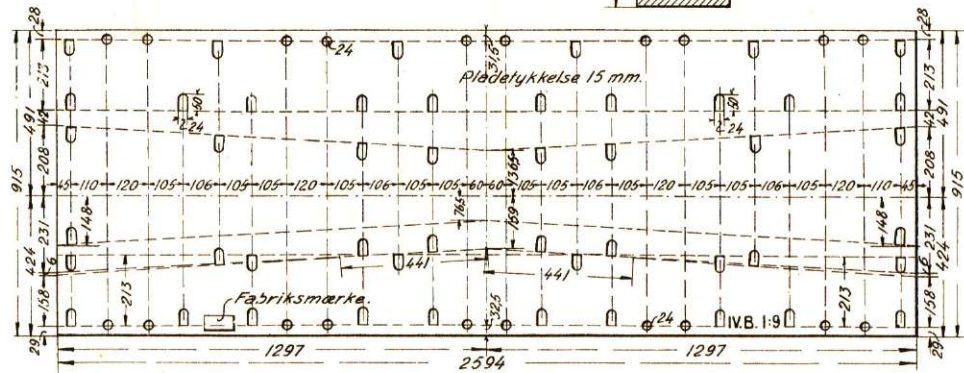
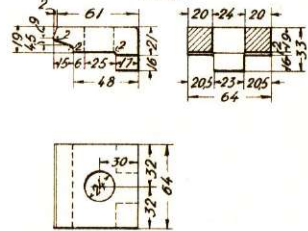
SPÆNDEPLADER.  
STOR. 1:2.5. LILLE.



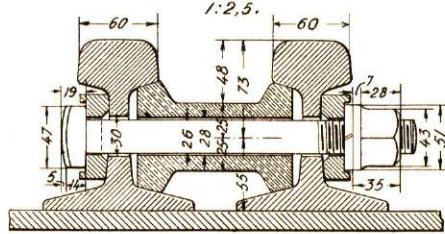
KLEMLADEBOLT.  
1:2.5.



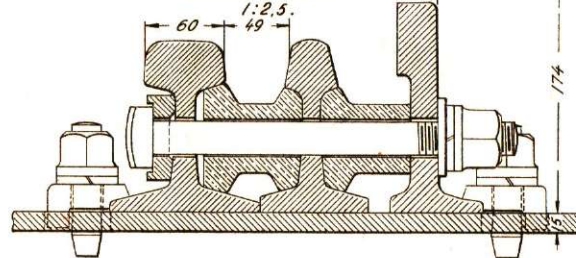
KLEMLADE.  
1:2.5.



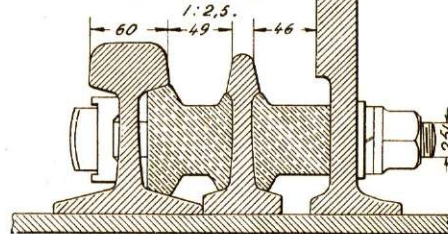
SNIT A-A.  
1:2.5.



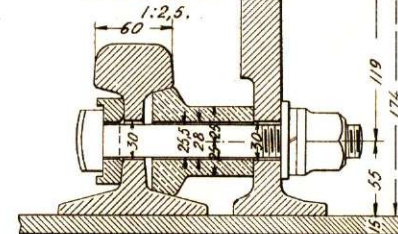
SNIT B-B.  
1:2.5.



SNIT C-C.  
1:2.5.



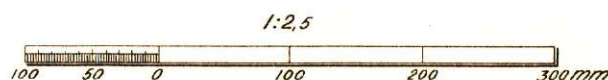
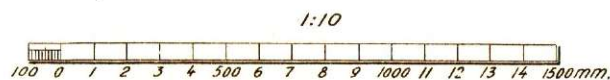
SNIT D-D.  
1:2.5.



Hældningsforholdets Nævner stemples paa Foden af Hjerte-, Vinge- og Tvangskinner paa de med x mærkede Steder.  
I Spændeklodsernes Overside støbes de paa Tegningen viste Mærker.  
De særlige Underlagsplader og Langplader mærkes som vist paa Tegningen.

MATERIALFØRTFGNELSE.

| Til et Sæt Dobbeltkrydsninger 1:9 hører: |     |                |
|--|-----|----------------|
|  | Stk | à kg ialt kg   |
| 7404 mm Skinne                           | 2   | 272,652 545,30 |
| 1878 " "                                 | 4   | 63,281 253,12  |
| 2450 " Tvangskinne                       | 2   | 83,582 167,16  |
| Langplade                                | 2   | 271,981 543,96 |
| Særlige Underlagsplade Nr 412            | 4   | 18,795 75,18   |
| " " Nr 413                               | 4   | 18,745 74,98   |
| " " Nr 414                               | 4   | 18,639 74,56   |
| " " Nr 415                               | 4   | 18,131 72,52   |
| Spændeklodser                            | 16  | 152,58         |
| Tværbolte 25,5 mm                        | 28  | 38,49          |
| Spændepletter store                      | 36  | 0,400 14,40    |
| " " smaa                                 | 20  | 0,100 2,00     |
| Alm. Klemplader                          | 244 | 0,500 122,00   |
| Klempladebolte                           | 96  | 0,640 61,44    |
| Spænderinge til 22,2 mm Bolte            | 96  | 0,047 4,51     |
| " " 25,4 " "                             | 28  | 0,068 1,90     |
| Ialt:                                    |     | 2204,10        |



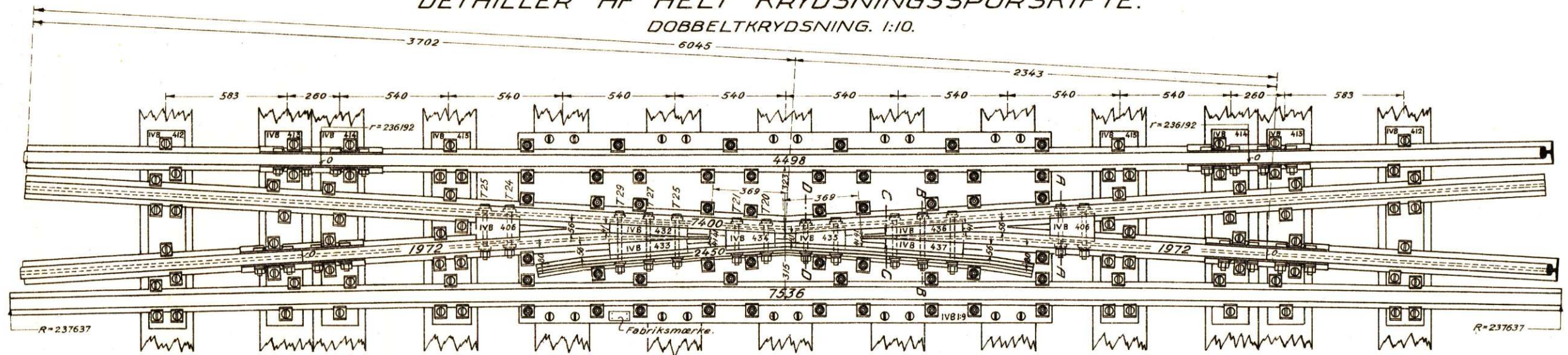
● Svelleskrue V kort.  
○ " V lang.

UDARBEJDET AF:

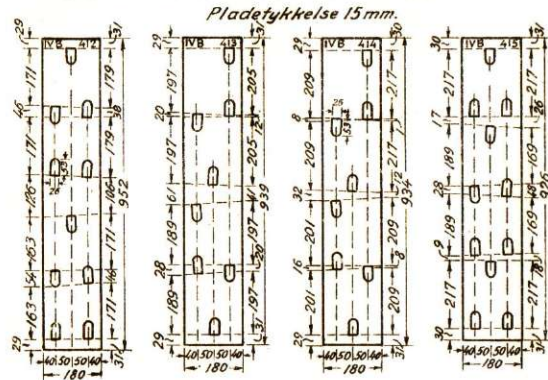
*Erik Petersen*



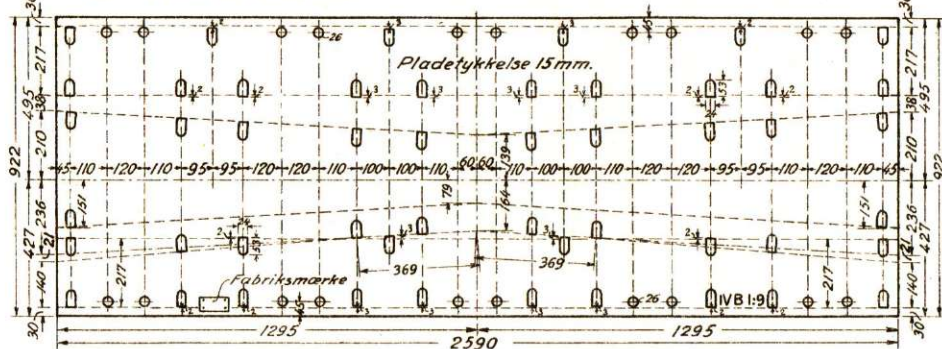
KRYDSNINGSSPORSKIFTE 1:9.  
OVERBYGNING IVB.  
DETAILLER AF HELT KRYDSNINGSSPORSKIFTE.  
DOBBELTKRYDSNING. 1:10.



SÆRLIGE UNDERLAGSPLADER. 1:10



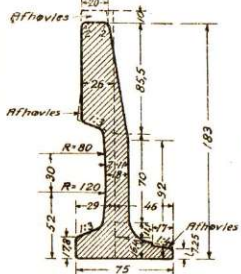
LANGPLADE. 1:10



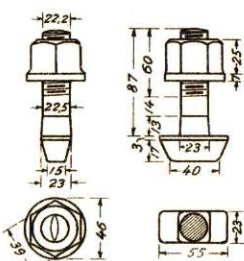
DETAIL AF SKINNER. 1:10.



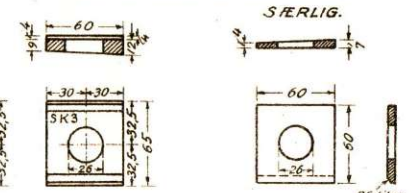
TVANGSKINNeprofil 1:25



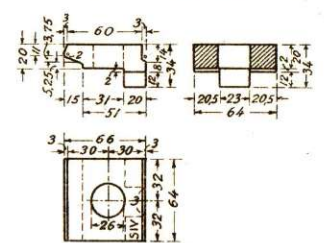
HAGEBOLT. 1:25.



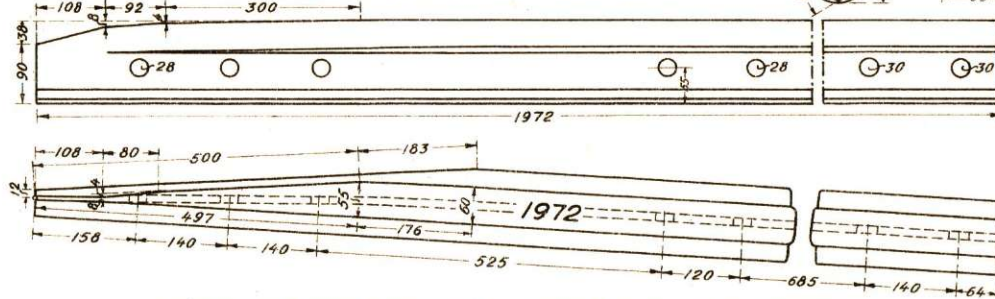
SPÆNDEPLADER. 1:25



KLEMLADE. 1:25.

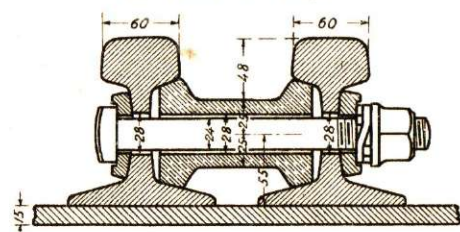


DETAIL AF HJERTESPIDS. 1:5.

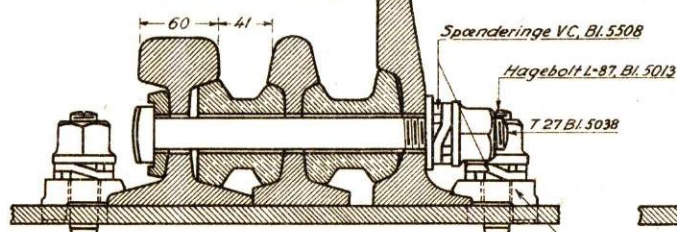


I Spændeklodsernes Overside støbes de paa Tegningen viste Mærker.  
De særlige Underlagsplader og Langplader mærkes som vist paa Tegningen.

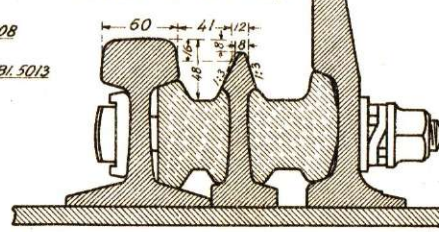
SNIT A-A. 1:25.



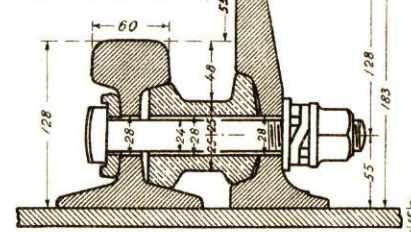
SNIT B-B. 1:25.



SNIT C-C. 1:25.



SNIT D-D. 1:25.

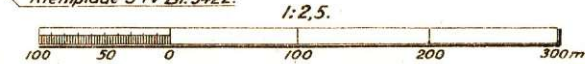
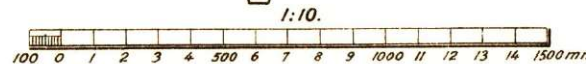


MATERIALFORTEGNELSE.

| Til et Sæt Dobbeltkrydsninger 1:9 hører:     | Stk. | à kg    | Ialt kg |
|--|------|---------|---------|
| 7400 mm Skinner                              | 2    | 272,610 | 545,22  |
| 1972 " "                                     | 4    | 66,859  | 267,44  |
| 2450 " Tvangsskinner                         | 2    | 89,480  | 178,96  |
| Langplader                                   | 2    | 274,153 | 548,32  |
| Særlig Underlagsplade Nr. 4/2                | 4    | 18,891  | 75,56   |
| " " " 4/3                                    | 4    | 18,864  | 75,46   |
| " " " 4/4                                    | 4    | 18,759  | 75,04   |
| " " " 4/5                                    | 4    | 18,205  | 72,82   |
| Spændeklodser                                | 16   |         | 152,58  |
| Tværbolte 4720, 4721, 4724, 8725, 4727, 4729 | 28   |         | 36,04   |
| Spændepletter SK 3                           | 36   | 0,290   | 10,44   |
| " særlige                                    | 20   | 0,120   | 2,40    |
| Alm. Klemplader SIV                          | 244  | 0,562   | 137,13  |
| Hagebolte 87mm                               | 96   | 0,660   | 63,36   |
| Dobb. Spænderinge                            | 124  | 0,092   | 11,41   |
| Ialt:  |      |         | 2252,18 |

Udarbejdet af:

*Erik Petersen*



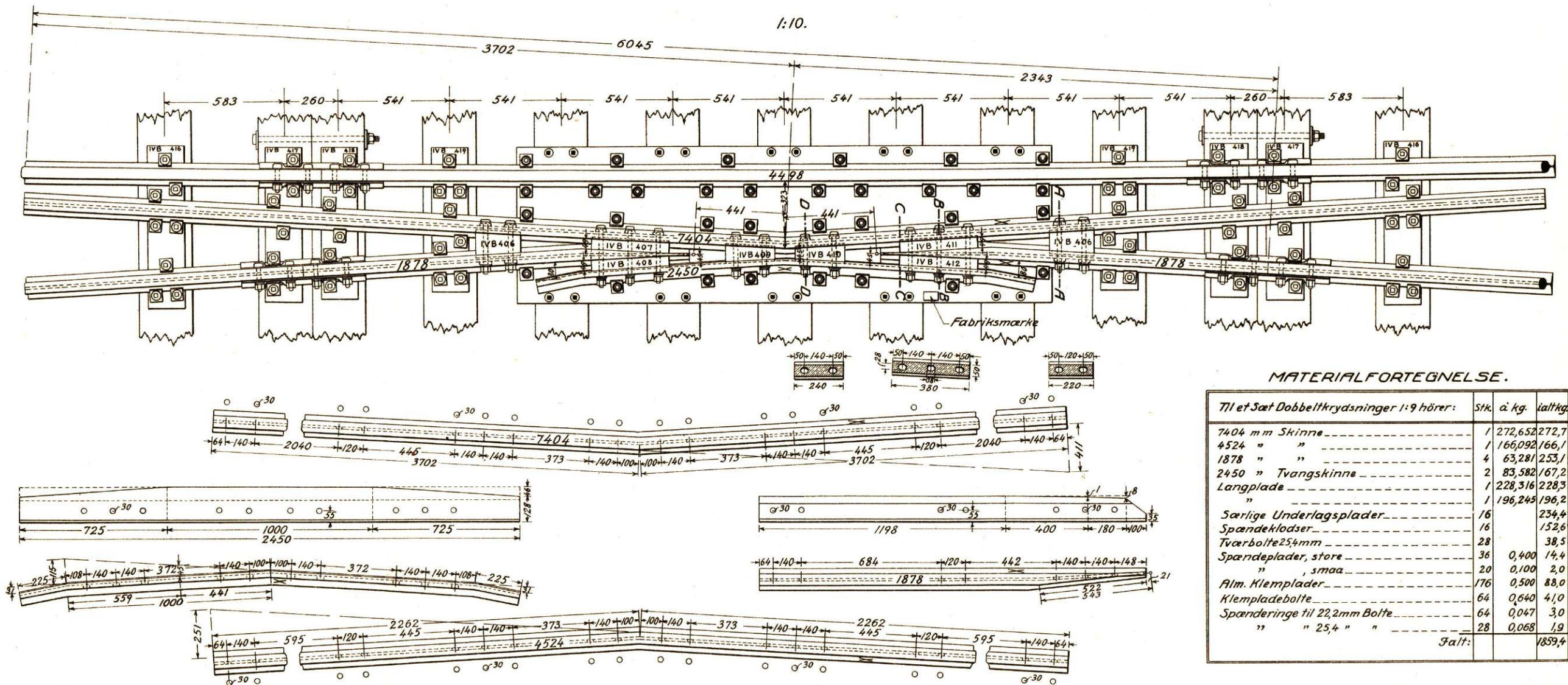
- ⊙ Svelleskrue SS. Bl. 5012.
- ⊙ Svelleskrue VC. Bl. 5507.



# KRYDSNINGSSPORSKIFTE 1:9.

## DETAILLER AF HALVT KRYDSNINGSSPORSKIFTE.

Detaller og Snit til denne Plan findes paa Blad N<sup>o</sup> 434.



### MATERIALFORTEGNELSE.

| Til et Sæt Dobbeltkrydsninger 1:9 hører: | Stk. | i kg.   | I alt kg.     |
|--|------|---------|---------------|
| 7404 mm Skinne                           | 1    | 272,652 | 272,7         |
| 4524 " "                                 | 1    | 166,092 | 166,1         |
| 1878 " "                                 | 4    | 63,281  | 253,1         |
| 2450 " Tvangskinne                       | 2    | 83,582  | 167,2         |
| Langplade                                | 1    | 228,316 | 228,3         |
|  | 1    | 196,245 | 196,2         |
| Særlige Underlagsplader                  | 16   |         | 234,4         |
| Spændeklodser                            | 16   |         | 152,6         |
| Tværbolte 25,4 mm                        | 28   |         | 38,5          |
| Spændeplader, store                      | 36   | 0,400   | 14,4          |
| " " , smaa                               | 20   | 0,100   | 2,0           |
| Alm. Klemlplader                         | 176  | 0,500   | 88,0          |
| Klemlpladebolte                          | 64   | 0,640   | 41,0          |
| Spænderinge til 22,2 mm Bolte            | 64   | 0,047   | 3,0           |
| " " 25,4 " "                             | 28   | 0,068   | 1,9           |
| <b>Falt:</b>                             |      |         | <b>1859,4</b> |

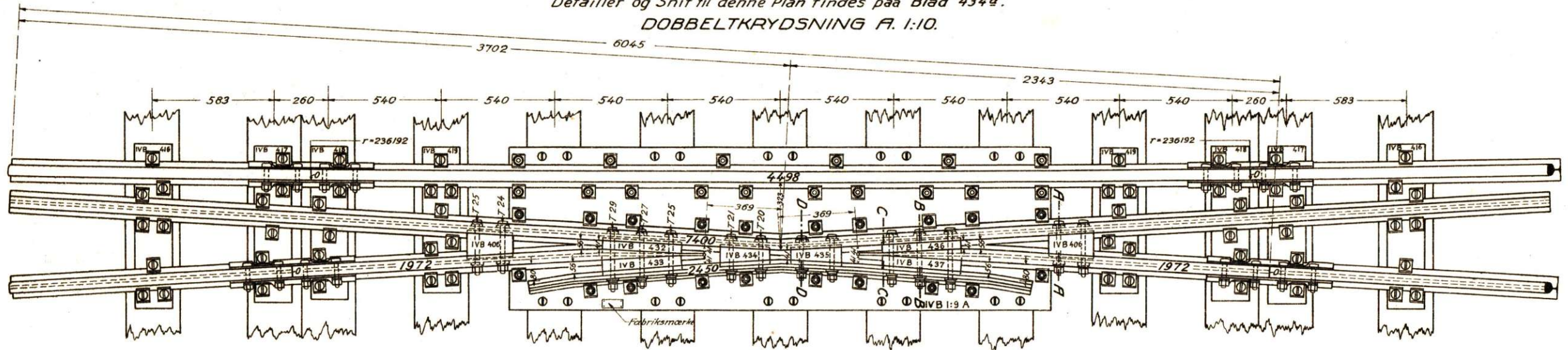
UDARBEJDET AF:

*Erik Rasmussen*

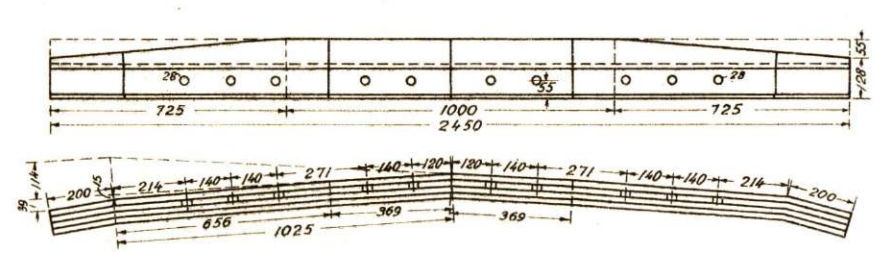
Hældningsforholdets Nævner stemples paa Foden af Hjerter-, Vinge- og Tvangskinner paa de med = mærkede Steder.  
I Spændeklodsernes Overside støbes de paa Tegningen viste Mærker.  
De særlige Underlagsplader og Langplader mærkes som vist paa Tegningen.



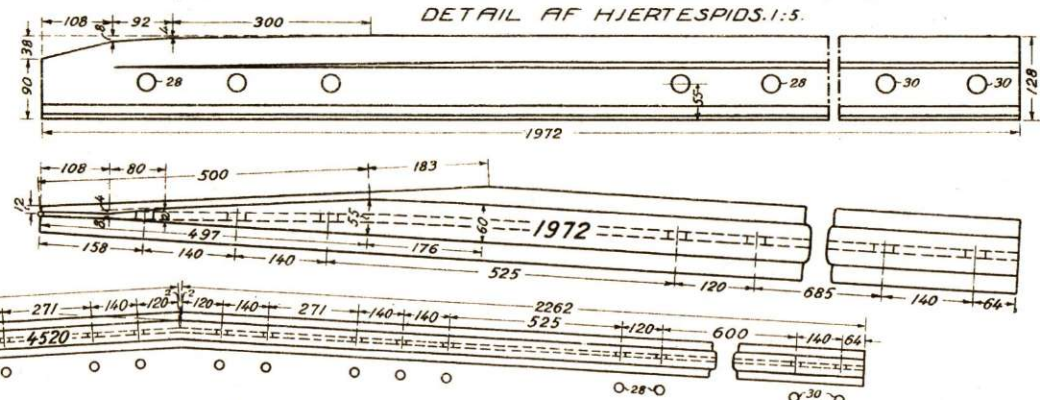
**KRYDSNINGSSPORSKIFTE 1:9.**  
OVERBYGNING IVB.  
**DETAILLER AF HALVT KRYDSNINGSSPORSKIFTE.**  
Detaller og Snit til denne Plan findes paa Blad 434a.  
**DOBBELTKRYDSNING A. 1:10.**



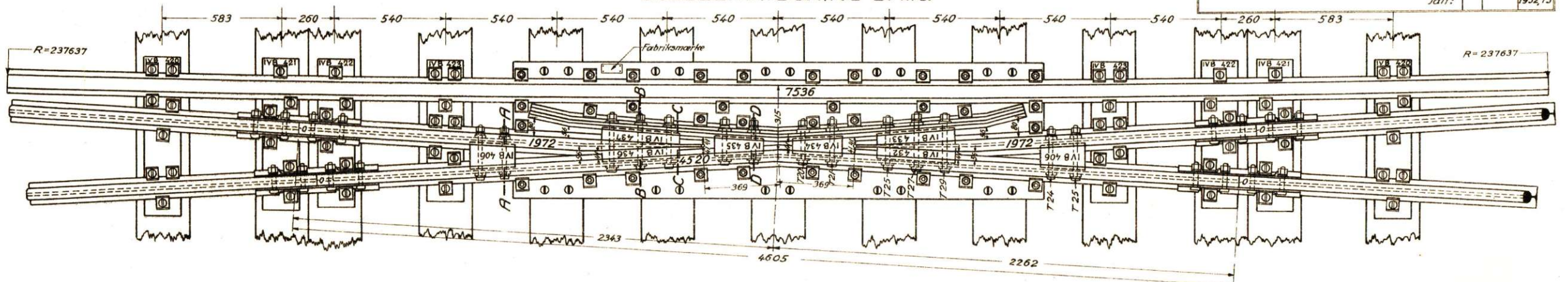
DETAIL AF SKINNER. 1:10.



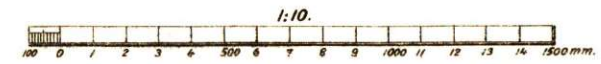
DETAIL AF HJERTESPID. 1:5.



DOBBELTKRYDSNING B. 1:10.



| Til et Sæt Dobbeltkrydsninger 1:9 hører:               | Stk. | à kg   | Ialt kg |
|--|------|--------|---------|
| 7400 mm Skinner  | 1    |        | 272,61  |
| 4520 " "   | 1    |        | 166,05  |
| 1972 " "   | 4    | 66,859 | 267,44  |
| 2450 " Tvangsskinner                                   | 2    | 89,480 | 178,96  |
| Langplade til Dobbeltkrydsning A                       | 1    |        | 261,09  |
| " " B  | 1    |        | 194,89  |
| Særlig Underlagsplade Nr. 416                          | 2    | 15,478 | 30,96   |
| " " " 417  | 2    | 14,978 | 29,96   |
| " " " 418  | 2    | 14,618 | 29,24   |
| " " " 419  | 2    | 13,589 | 27,18   |
| " " " 420  | 2    | 15,266 | 30,53   |
| " " " 421  | 2    | 14,703 | 29,41   |
| " " " 422  | 2    | 14,364 | 28,73   |
| " " " 423  | 2    | 13,358 | 26,72   |
| Spændeklodser  | 16   |        | 152,58  |
| Tværbolte: 4 T20, 4 T21, 4 T24, 4 T25, 4 T27 og 4 T29. | 28   |        | 36,04   |
| Spændeplader SK 3                                      | 36   | 0,290  | 10,44   |
| " særlige  | 20   | 0,120  | 2,40    |
| Klemplader S IV. Bl. 5422                              | 182  | 0,562  | 102,28  |
| Hagebolte 87mm 5013                                    | 70   | 0,660  | 46,20   |
| Dobb. Spænderinge " 5500                               | 98   | 0,092  | 9,02    |
| Ialt:  |      |        | 1932,73 |



⊙ Svelleskrue SS. Bl. 5012.  
⊙ " VC. Bl. 5507.

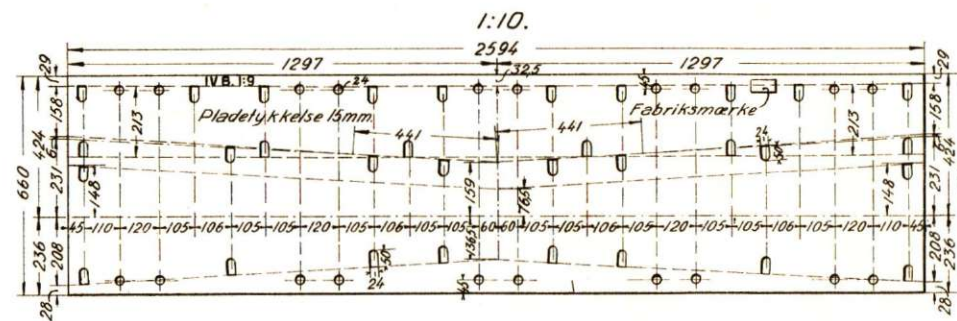
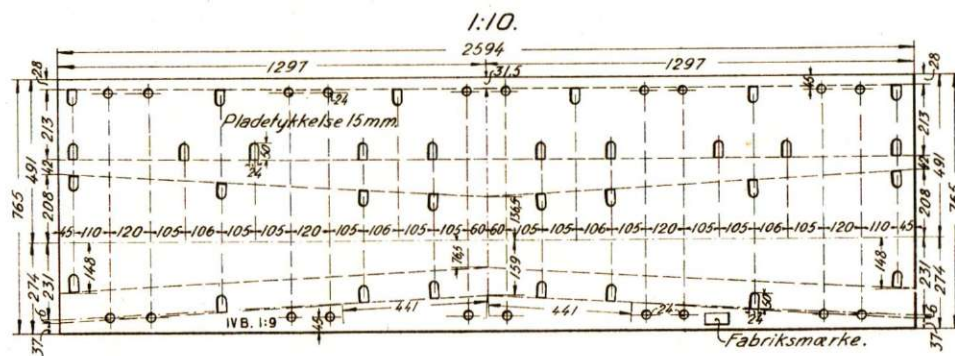
I Spændeklodsernes Overside støbes de paa Tegningen viste Mærker.  
De særlige Underlagsplader og Langplader mærkes som vist paa Tegningen.

Udarbejdet af:  
*E. P. Jensen*

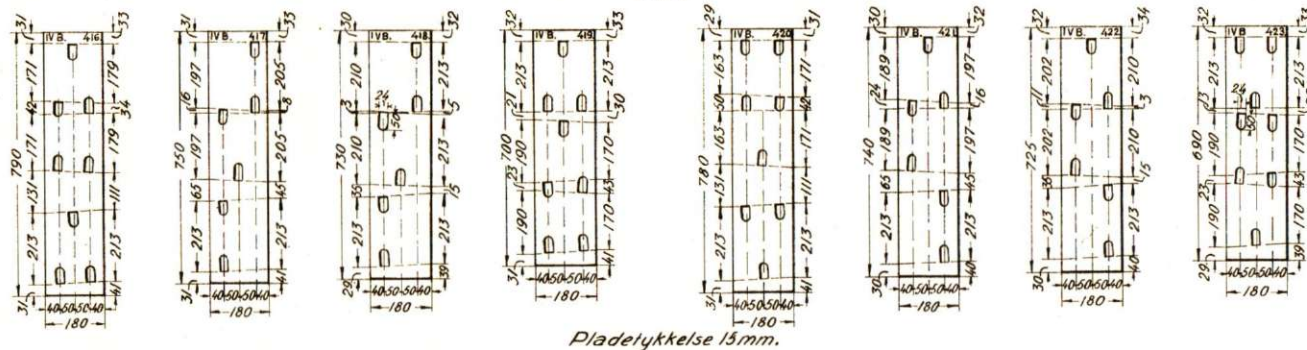


# KRYDSNINGSSPORSKIFTE 1:9.

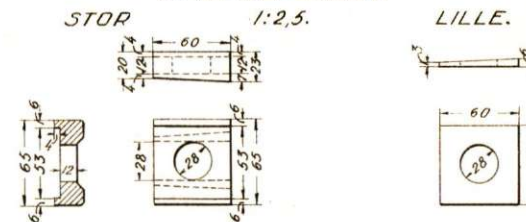
## DETAILLER AF HALVT KRYDSNINGSSPORSKIFTE.



SÆRLIGE UNDERLAGSPLADER.  
1:10.

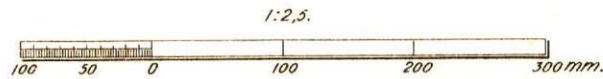
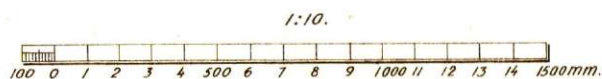
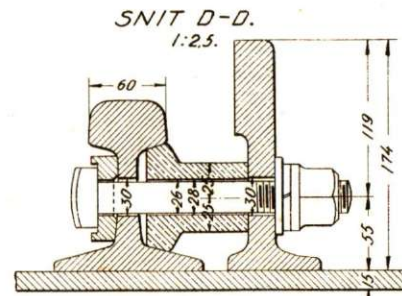
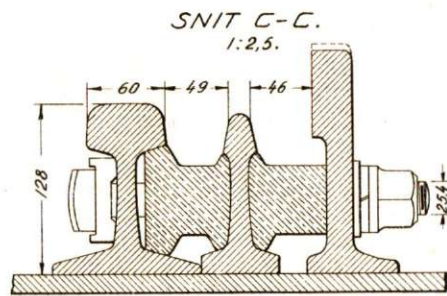
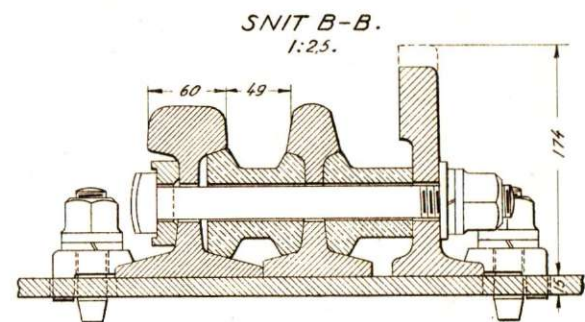
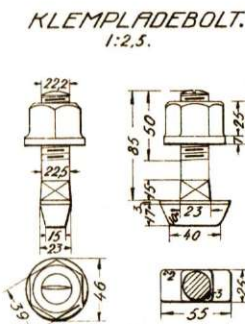
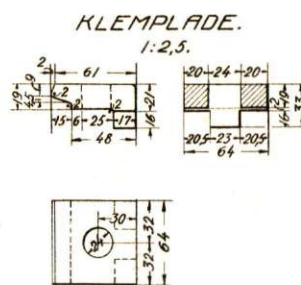
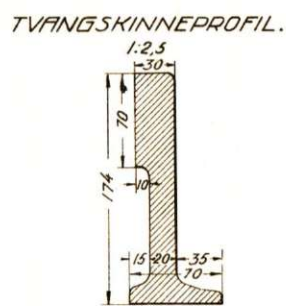
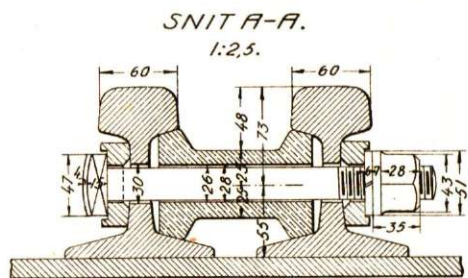


SPÆNDEPLADER.  
1:2,5.



MATERIALFORTEGNELSE.

| Til et Krydsningsspor skifte 1:9 hører:  | 1/2 Krydsningsspor sk. |          | 1/1 Krydsningsspor sk. |      |          |         |
|--|------------------------|----------|------------------------|------|----------|---------|
|  | Stk.                   | à kg     | Ialt kg                | Stk. | à kg     | Ialt kg |
| Fuldstændige Tungeanordninger...   | 2                      | 1868,900 | 3737,8                 | 4    | 1870,200 | 7480,8  |
| " Sæt Dobbeltkrydsninger...  | 1                      |          | 1859,4                 | 1    |          | 2204,1  |
| " Enkeltkrydsninger...   | 2                      | 898,200  | 1796,4                 | 2    | 898,200  | 1796,4  |
| " Sæt Tvangsskinner...   | 2                      | 366,400  | 732,8                  | 2    | 366,400  | 732,8   |
| Vinkeljern ved Tungeanordning m. Bolte   | 2                      | 13,490   | 27,0                   | 2    | 21,094   | 42,2    |
| Forbindelsesstang ved Tungeanordninger:  | 2                      | 13,900   | 27,8                   | 2    | 29,500   | 59,0    |
| 7536 mm Skirne   | 1                      |          | 278,5                  | 2    | 278,544  | 557,1   |
| 7495 " "   | 4                      | 277,027  | 1108,1                 |      |          |         |
| 7079 " "   | 4                      | 261,635  | 1046,5                 | 4    | 261,635  | 1046,5  |
| 4498 " "   | 1                      |          | 166,1                  | 2    | 166,100  | 332,3   |
| Normale Underlagsplader IVB  | 104                    | 5,310    | 552,2                  | 68   | 5,310    | 361,1   |
| Svelleskruer IVB   | 288                    | 0,470    | 135,4                  | 180  | 0,470    | 84,6    |
| " V " lange  | 220                    | 0,550    | 121,0                  | 284  | 0,550    | 156,2   |
| " V " korte  | 144                    | 0,470    | 67,7                   | 214  | 0,470    | 100,6   |
| L Lasker   | 40                     | 10,090   | 403,6                  | 40   | 10,090   | 403,6   |
| Laskebolte   | 80                     | 0,847    | 67,8                   | 80   | 0,847    | 67,8    |
| Spænderinge til 22,2 mm Bolte  | 84                     | 0,047    | 4,0                    | 88   | 0,047    | 4,2     |
|  |                        |          | Ialt:                  |      |          | 12132,1 |
|  |                        |          |                        |      |          | 15429,3 |
| *) Undtagen særlige Underlagsplader med tilhørende Klemplader samt Vinkeljern. |                        |          |                        |      |          |         |
| Koblet Sporskiftetømmer 3,00m, 3Bolte  | 2                      |          |                        |      |          |         |
| " " 3,50 " "   | 2                      |          |                        |      | 4        |         |
| " " 4,50 " "   | 2                      |          |                        |      | 2        |         |
| Normalt " 3,00 " "   | 7                      |          |                        |      | 7        |         |
| " " 3,25 " "   | 12                     |          |                        |      | 6        |         |
| " " 3,50 " "   | 6                      |          |                        |      | 18       |         |
| " " 3,75 " "   | 6                      |          |                        |      | 6        |         |
| " " 4,00 " "   | 8                      |          |                        |      | 8        |         |
| " " 4,25 " "   | 6                      |          |                        |      | 6        |         |
| " " 4,75 " "   | 4                      |          |                        |      | 4        |         |
| " " 4,50 " udenfor   | 6                      |          |                        |      | 6        |         |
| " " 4,75 " Spor  | 8                      |          |                        |      | 8        |         |
| " " 5,00 " skiftet   | 4                      |          |                        |      | 4        |         |



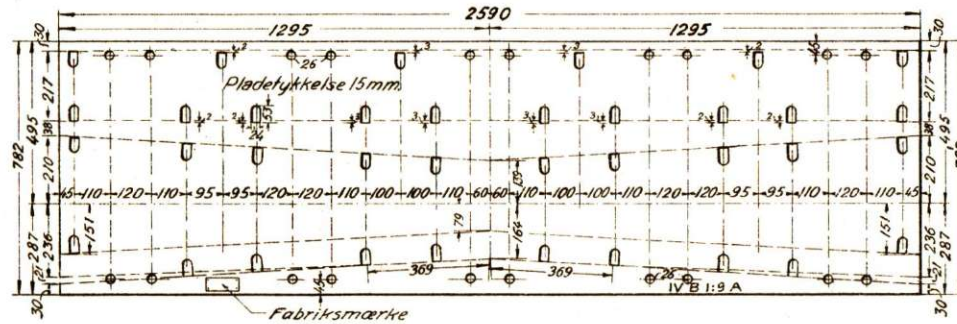


# KRYDSNINGSSPORSKIFTE 1:9.

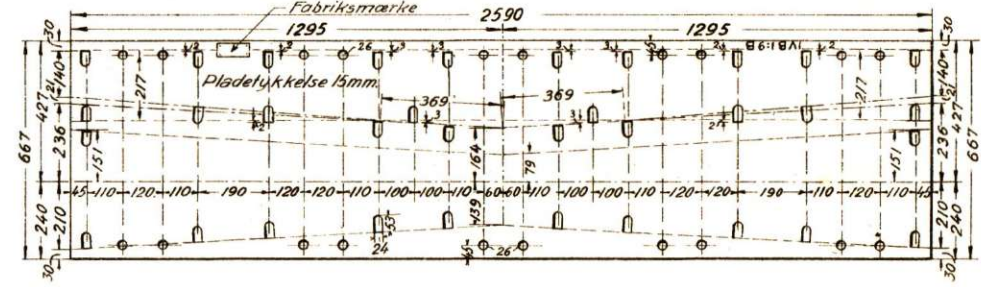
## OVERBYGNING IVB.

### DETAILLER AF HALVT KRYDSNINGSSPORSKIFTE.

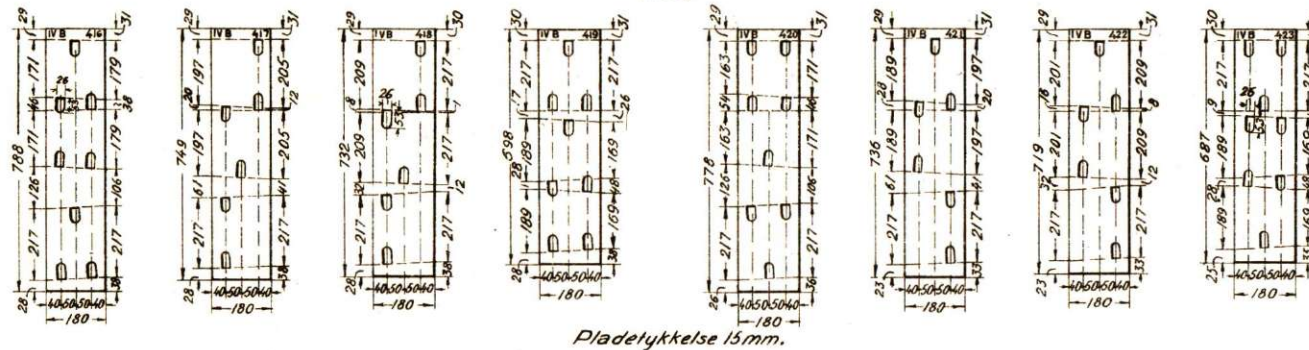
LANGPLADE TIL DOBBELTKRYDSNING A. 1:10.



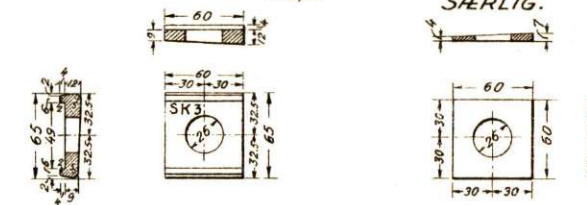
LANGPLADE TIL DOBBELTKRYDSNING B. 1:10.



SÆRLIGE UNDERLAGSPLADER.  
1:10.



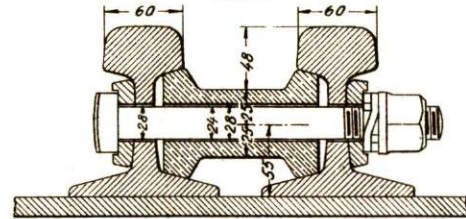
SPÆNDEPLADER.  
1:2.5.



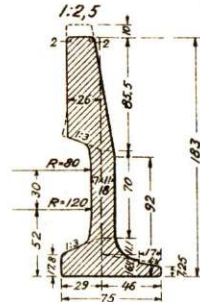
MATERIALFORTEGNELSE.

| Til et Krydsningssporskifte 1:9 hører:   | 1/2 Krydsningssporsk. |          | 1/1 Krydsningssporsk. |     |          |         |
|--|-----------------------|----------|-----------------------|-----|----------|---------|
|  | Stk                   | à kg     | ialt kg               | Stk | à kg     | ialt kg |
| Fuldstændige Tungeparti *)   | 2                     | 1865,900 | 3731,8                | 4   | 1867,200 | 7468,8  |
| " Sæt Dobbeltkrydsninger   | 1                     |          | 1932,7                | 1   |          | 2252,2  |
| " Enkeltkrydsninger  | 2                     | 899,300  | 1798,6                | 2   | 899,300  | 1798,6  |
| " Sæt Tvangskinner   | 2                     | 355,200  | 710,4                 | 2   | 355,200  | 710,4   |
| Vinkeljern ved Tungeparti med Bolte  | 2                     | 13,490   | 27,0                  | 2   | 21,094   | 42,2    |
| Forbindelsesstang ved Tungepartier   | 2                     | 13,900   | 27,8                  | 2   | 29,500   | 59,0    |
| 1756 mm Skinner  | 1                     |          | 278,5                 | 2   | 278,544  | 557,1   |
| 7495 " "   | 4                     | 277,027  | 1108,1                |     |          |         |
| 7079 " "   | 4                     | 261,635  | 1046,5                | 4   | 261,635  | 1046,5  |
| 4498 " "   | 1                     |          | 166,1                 | 2   | 166,100  | 332,3   |
| Normale Underlagsplader IVB  | 104                   | 5,230    | 543,9                 | 68  | 5,230    | 355,6   |
| Svelleskruer S5  | 220                   | 0,620    | 136,4                 | 284 | 0,620    | 176,1   |
| " IVB  | 288                   | 0,615    | 177,1                 | 180 | 0,615    | 110,7   |
| " VC   | 144                   | 0,538    | 77,5                  | 214 | 0,538    | 115,1   |
| L Lasker   | 40                    | 10,020   | 400,8                 | 40  | 10,020   | 400,8   |
| Laskebolte   | 80                    | 0,871    | 69,7                  | 80  | 0,871    | 69,7    |
| Dobb. Spænderinge VC   | 84                    | 0,092    | 7,7                   | 88  | 0,092    | 8,1     |
|  |                       |          | ialt:                 |     |          | 15503,2 |
| *) Underlag særlige Underlagsplader med tilhørende Klemplader samt Vinkeljern. |                       |          |                       |     |          |         |
| Koblet Sporskiftetømmer 3,00m, 3Bolte  | 2                     |          |                       |     |          |         |
| " " 3,50 " "   | 2                     |          |                       | 4   |          |         |
| " " 4,50 " "   | 2                     |          |                       | 2   |          |         |
| Normalt " 3,00 " "   | 7                     |          |                       | 7   |          |         |
| " " 3,25 " "   | 12                    |          |                       | 18  |          |         |
| " " 3,75 " "   | 6                     |          |                       | 6   |          |         |
| " " 4,00 " "   | 8                     |          |                       | 8   |          |         |
| " " 4,25 " "   | 6                     |          |                       | 6   |          |         |
| " " 4,75 " "   | 4                     |          |                       | 4   |          |         |
| " " 4,50 " udenfor   | 6                     |          |                       | 6   |          |         |
| " " 4,75 " Spor  | 8                     |          |                       | 8   |          |         |
| " " 5,00 " skiftet   | 4                     |          |                       | 4   |          |         |

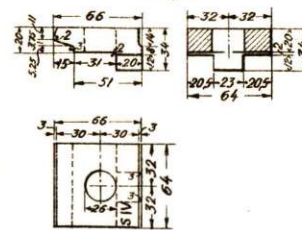
SNIT A-A.  
1:2.5.



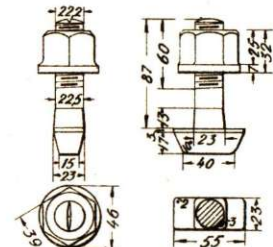
TVANGSKINNEPROFIL.  
1:2.5.



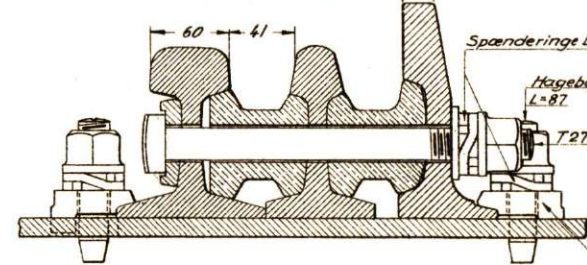
KLEMPLEDE.  
1:2.5.



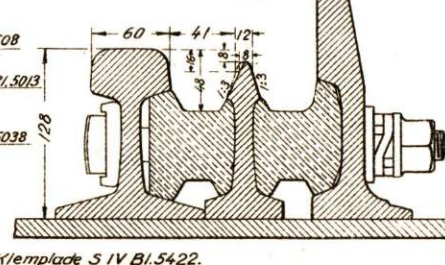
HAGEBOLT.  
1:2.5.



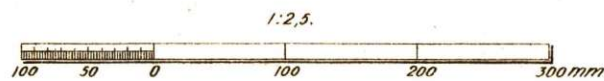
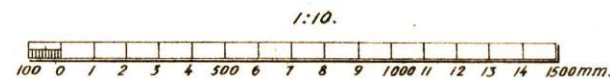
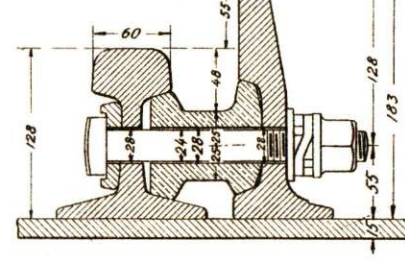
SNIT B-B.  
1:2.5.



SNIT C-C.  
1:2.5.



SNIT D-D.  
1:2.5.

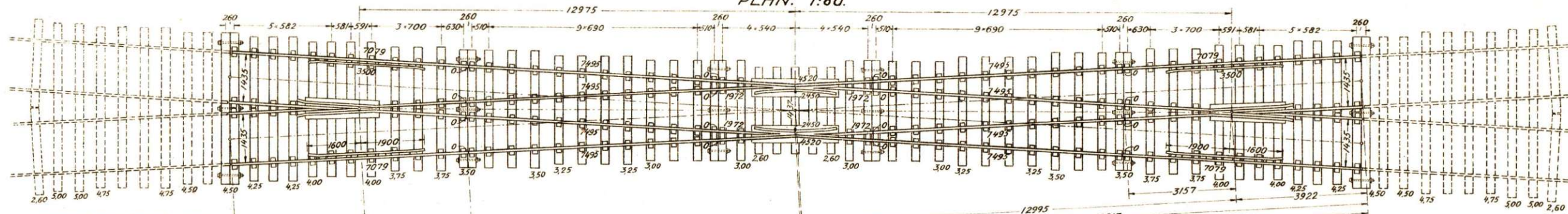


Udarbejdet af: *Erik Pedersen*

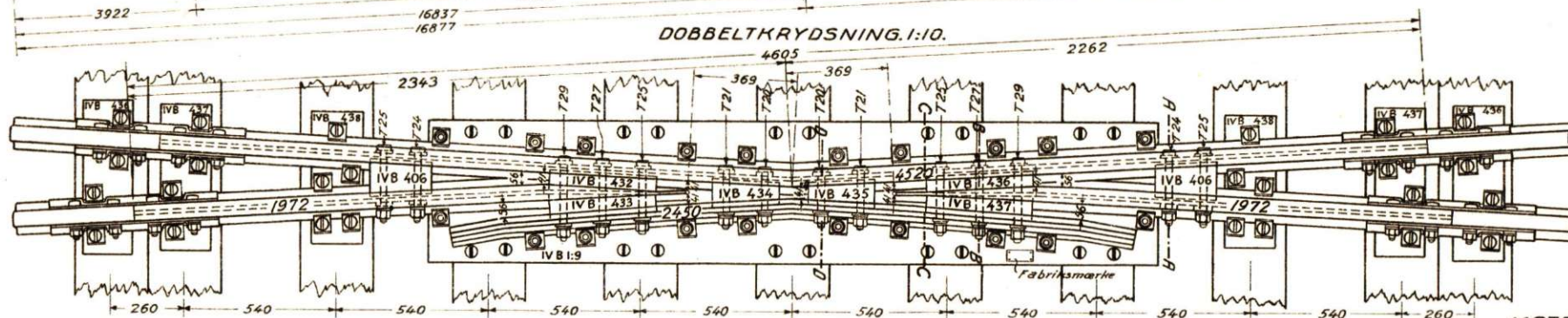
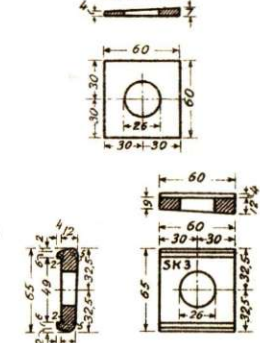


# SPORKRYDSNING 1:9.

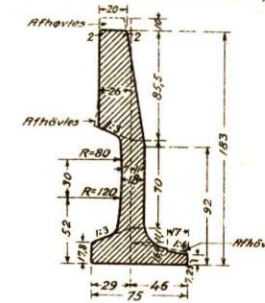
OVERBYGNING IVB.  
PLAN. 1:60.



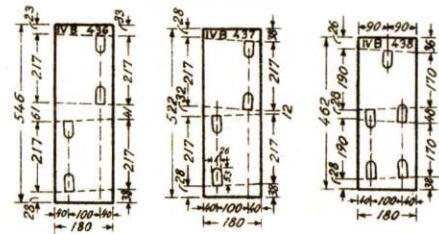
SPÆNDEPLADER 1:25.  
SÆRLIG.



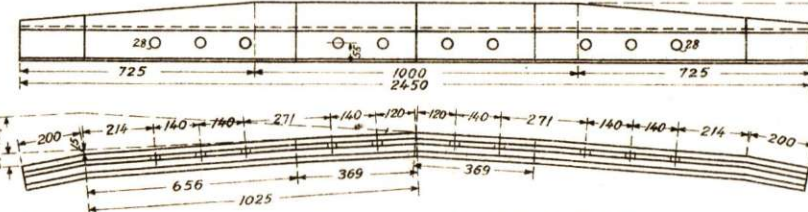
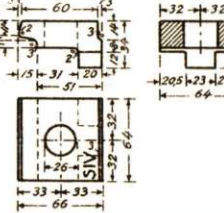
TVANGSKINNeprofil 1:25.



SÆRLIGE UNDERLAGSPLADER 1:10.  
15mm Plade.

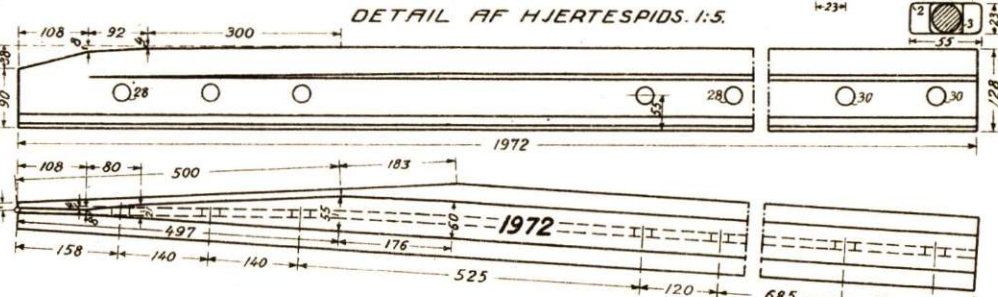
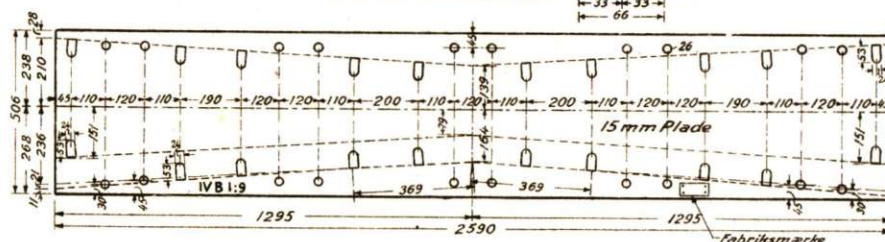


KLEMLADE 1:25.



HÅGEBOLT 1:25.

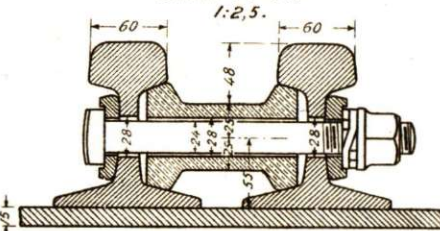
LANGPLADE 1:10.



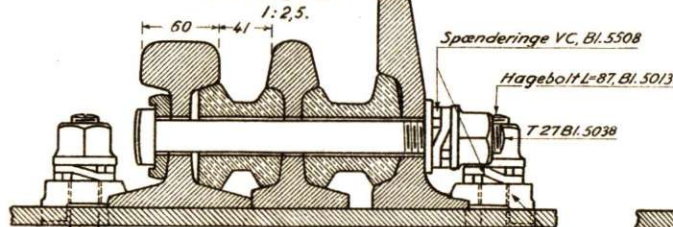
DETAIL AF HJERTESPIDS 1:5.

I Spændeklodsernes Overside støbes de paa Tegningen viste Mærker.  
De særlige Underlagsplader og Langpladerne mærkes som vist paa Tegningen.

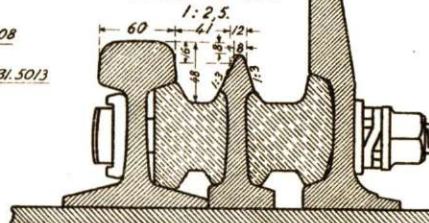
SNIT A-A 1:25.



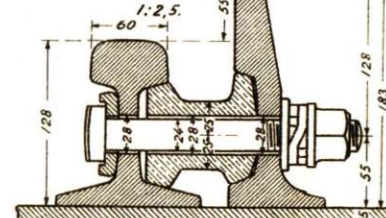
SNIT B-B 1:25.



SNIT C-C 1:25.



SNIT D-D 1:25.



MATERIALFORTEGNELSE.

| Til en Dobbeltkrydsning 1:9 hører: Stk. à kg ialt kg |    |               |
|--|----|---------------|
| 4520 mm Skinner                                      | 1  | 166,05        |
| 1972 "   | 2  | 66,899 145,77 |
| 2450 " Tvangskinner                                  | 1  | 89,88         |
| Langplader   | 1  | 150,22        |
| Særlige Underlagsplader                              | 6  | 62,78         |
| Spændeklodser  | 8  | 81,00         |
| Tværbolte  | 14 | 17,32         |
| Spændplader SK3                                      | 18 | 0,303 5,45    |
| " særlige  | 10 | 0,120 1,20    |
| Klemplader SIV                                       | 46 | 0,562 25,85   |
| Hagebolte  | 20 | 0,660 13,20   |
| Dobb. Spænderinge                                    | 34 | 0,092 3,13    |
| Ialt:  |    | 761,45        |

| Til en Sporkrydsning 1:9 hører: Stk. à kg ialt kg |     |                  |
|---|-----|------------------|
| Fuldstændige Dobbeltkrydsninger 1:9               | 2   | 761,45 1522,90   |
| " Enkeltkrydsninger Blød 422                      | 2   | 2899,300 1798,60 |
| " Sæt Tvangskinner                                | 2   | 2355,200 710,40  |
| 74,95 mm Skinner                                  | 8   | 277,027 2216,22  |
| 1079 "  | 4   | 261,635 1046,54  |
| Normale Underlagsplader IVB                       | 140 | 5,230 732,20     |
| Svelleskrue S.S.                                  | 132 | 0,620 81,80      |
| " IVB   | 396 | 0,615 243,54     |
| " VC  | 72  | 0,538 38,74      |
| Vinkellasker IVB                                  | 40  | 10,020 400,80    |
| Laskebolte IVB                                    | 80  | 0,871 69,68      |
| Dobb. Spænderinge                                 | 80  | 0,092 7,36       |
| Ialt:   |     | 8868,78          |

|                                 |   |            |
|---------------------------------|---|------------|
| 3000 mm koblet Sporskiftetømmer | 2 |            |
| 3500 " "                        | 2 |            |
| 4500 " "                        | 2 |            |
| 2600 " alm. Sveller 160+260     | 5 |            |
| 3000 " normalt Sporskiftetømmer | 8 |            |
| 3250 " "                        | 8 |            |
| 3500 " "                        | 6 |            |
| 3750 " "                        | 6 |            |
| 4000 " "                        | 8 |            |
| 4250 " "                        | 6 |            |
| 4500 " "                        | 4 | udenfor    |
| 4750 " "                        | 8 | Sporkryds- |
| 5000 " "                        | 4 | ningen     |

Udarbejdet af:

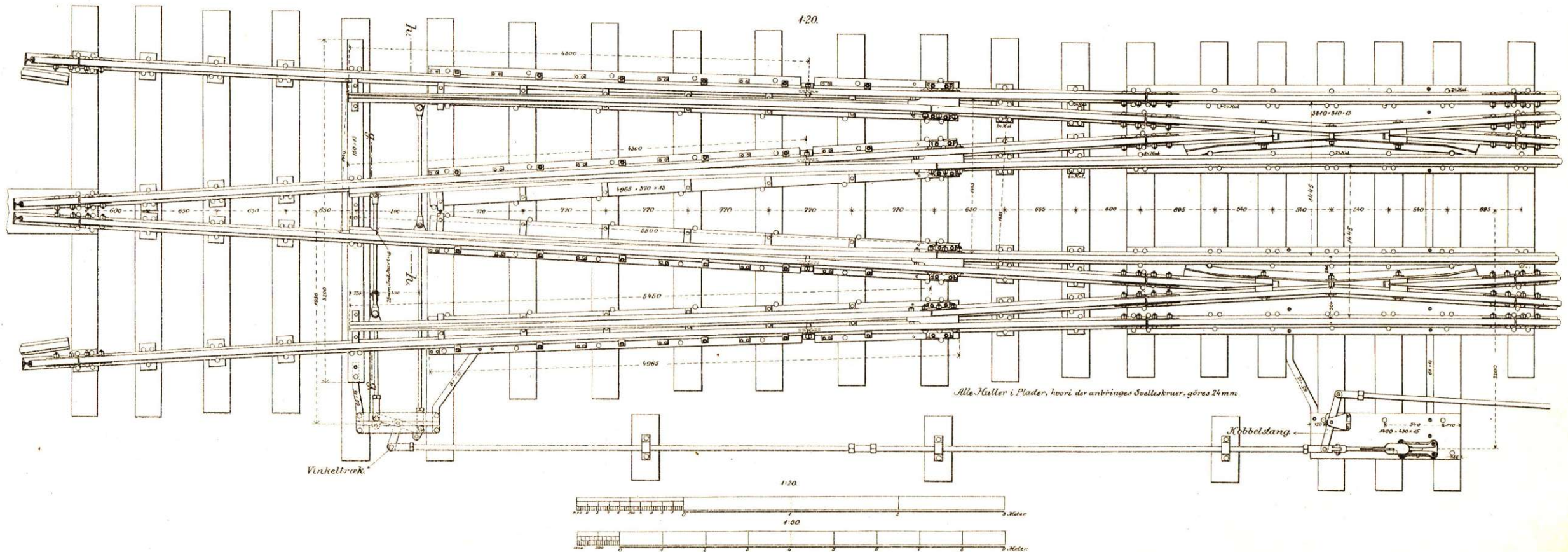
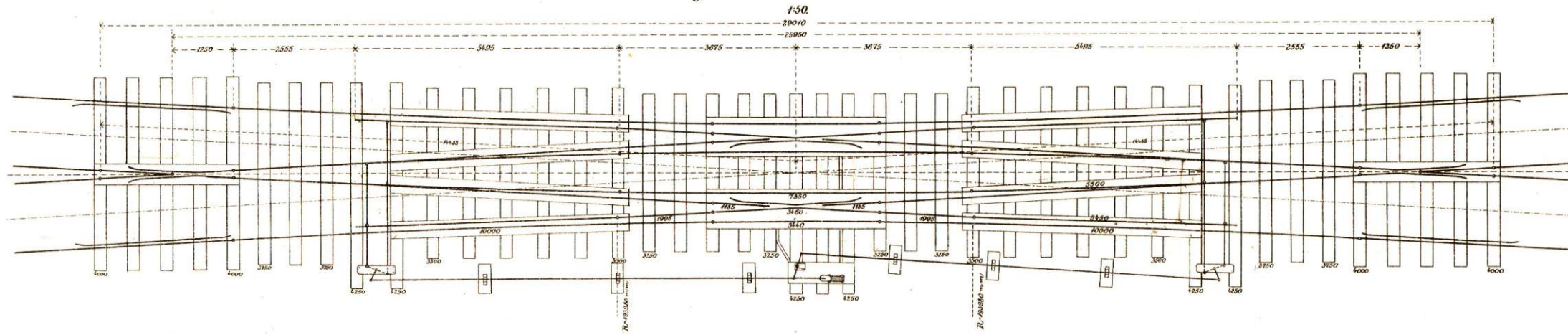
Emil Pedersen





# Krydsningssporskifte IV B.

Hældning 1:9 omtr. Rad: 200 Meter



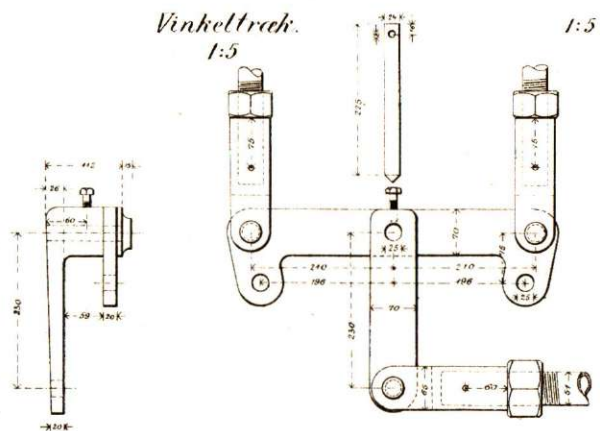






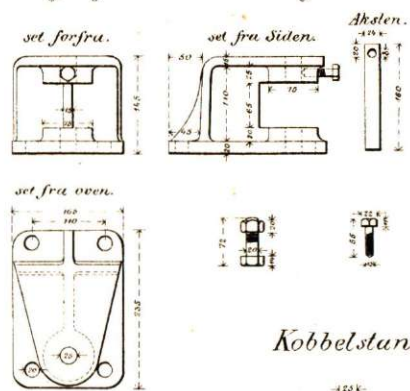
# Krydsningssporokiste IV B.

Vinkeltræk.  
1:5

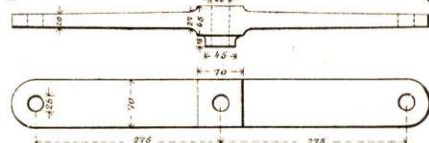


1:5

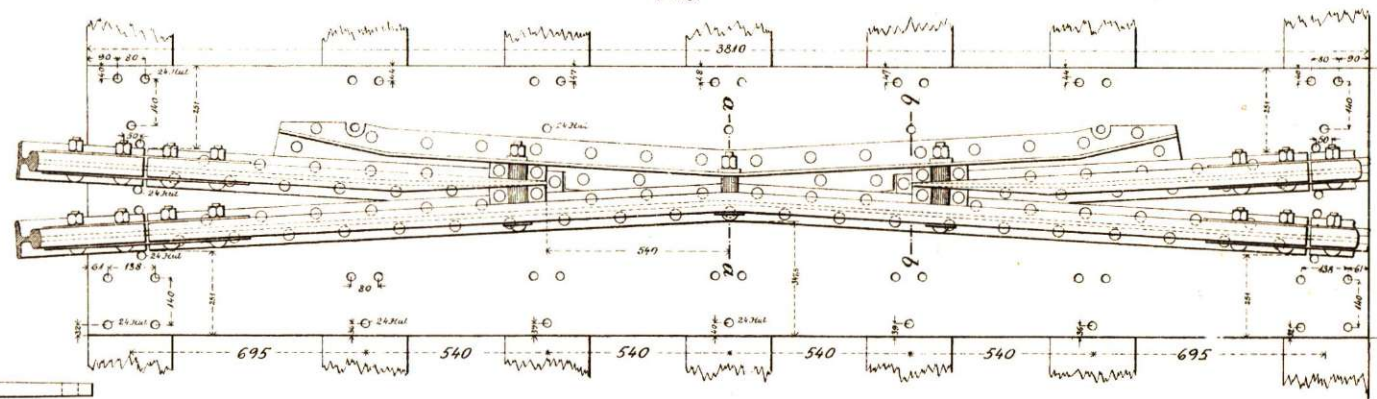
Leje for Kobbelstang.



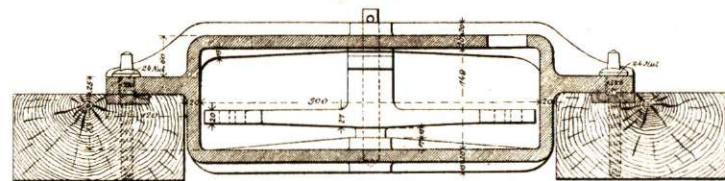
Kobbelstang.



Dobbeltkrydsning.  
1:10.

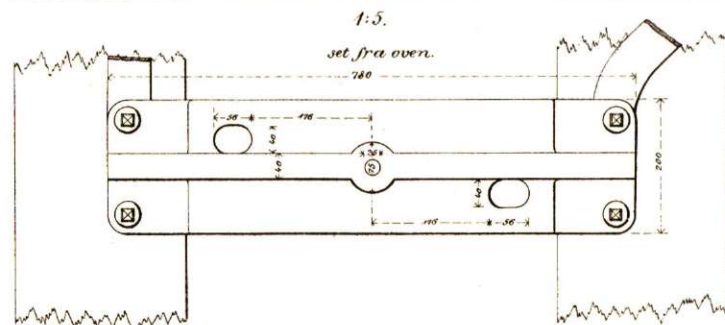


Kasse til Vinkeltræk.  
set fra Siden.

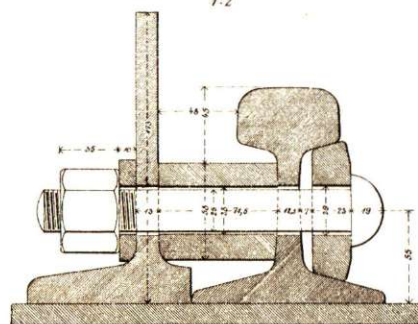


1:5.

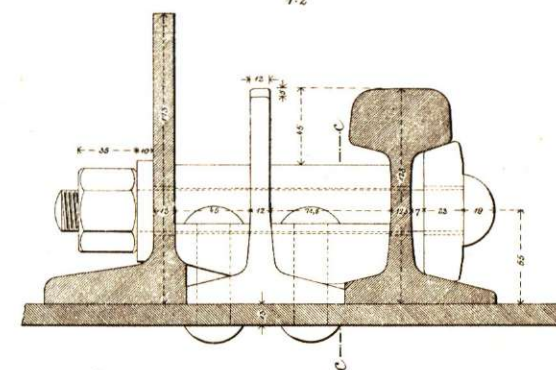
set fra oven.



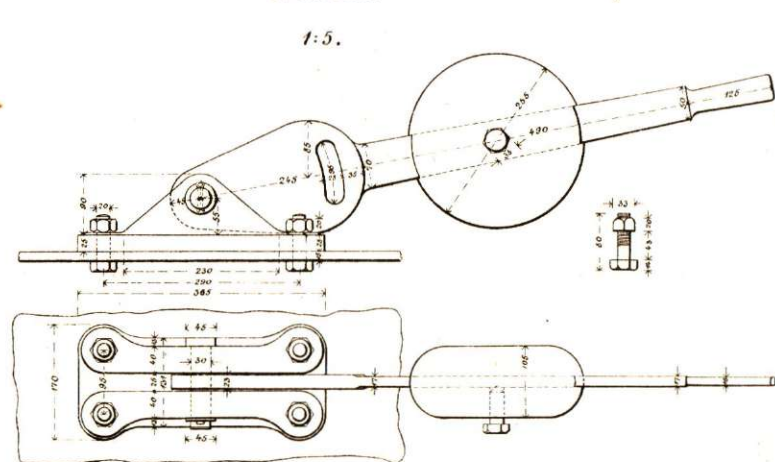
a-a.  
1:2



b-b.  
1:2



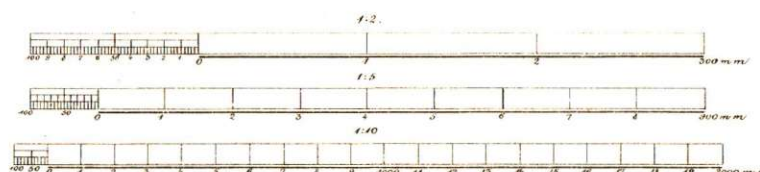
Trækstol.  
1:5.



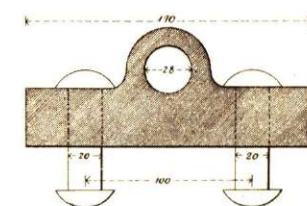
Ophøjet Tvangskinne.

til Dobbeltkrydsninger.

1:10.



c-c.  
1:2











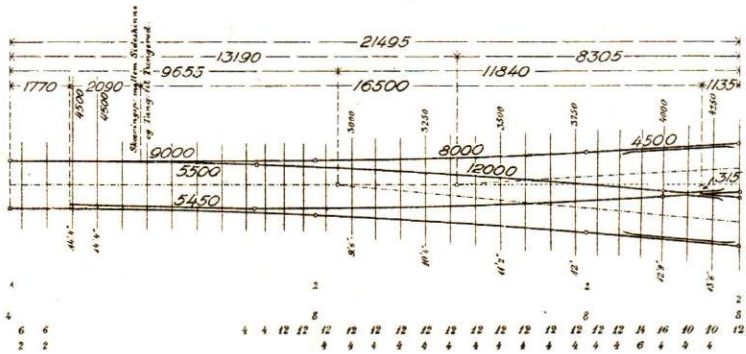






# Sporskifter.

Rad: ca: 200<sup>m</sup> og ca: 200<sup>m</sup> Krykning 1:6,5.



Z-Lasker  
Fladlasker  
Laskebolte  
Spiger  
Underlagsplader

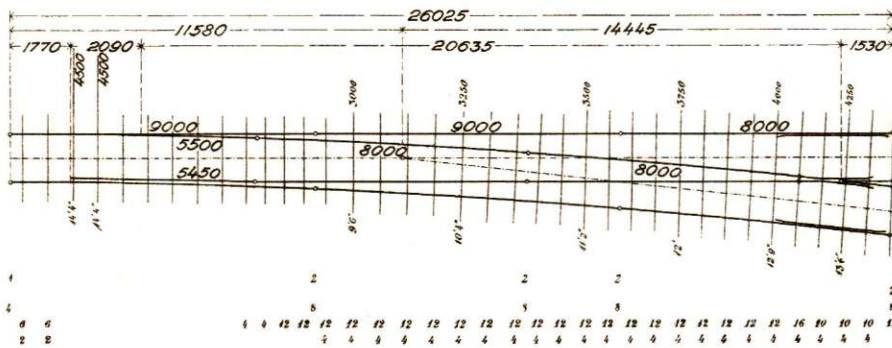
| 130 x 255 mm Sporskiftetømmer | Stk. | Meter | Igb. Meter. |
|-------------------------------|------|-------|-------------|
|                               | 3    | 3,000 | 9,000       |
|                               | 3    | 3,220 | 9,750       |
|                               | 3    | 3,300 | 10,200      |
|                               | 4    | 3,750 | 15,000      |
|                               | 2    | 4,000 | 8,000       |
|                               | 2    | 4,250 | 8,500       |
|                               | 2    | 4,500 | 9,000       |
| I alt                         | 19   |       | 69,500      |
| Sveller                       | 12   |       |             |

| Skinner | Stk. | Meter  | Igb. Meter. |
|---------|------|--------|-------------|
|         | 2    | 8,000  | 16,000      |
|         | 2    | 12,000 | 24,000      |
|         | 2    | 4,500  | 9,000       |
| I alt   | 6    |        | 49,000      |

Z-Lasker 5  
Fladlasker 2  
Laskebolte 28  
Spiger 266  
Underlagsplader 74

1 fuldstændigt Fuldungesporskifte  
1 " " Set Tvangskinner  
1 fuldstændig Krykning

Rad: ca: 200<sup>m</sup> Krykning 1:9.



Z-Lasker  
Fladlasker  
Laskebolte  
Spiger  
Underlagsplader

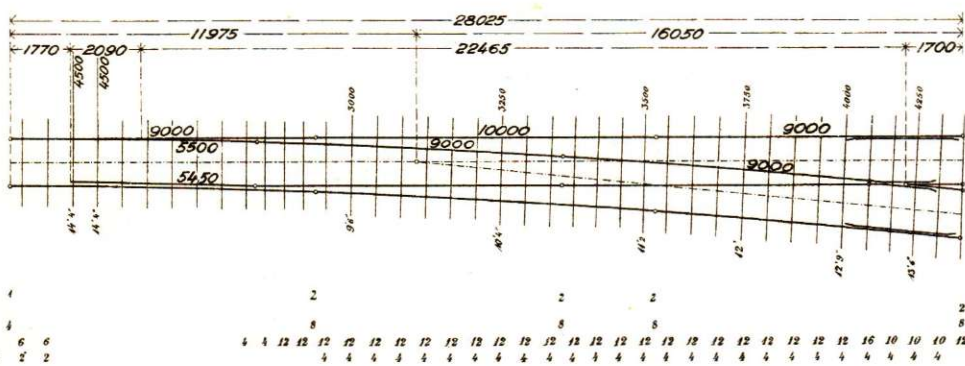
| 130 x 255 mm Sporskiftetømmer | Stk. | Meter | Igb. Meter. |
|-------------------------------|------|-------|-------------|
|                               | 4    | 3,000 | 12,000      |
|                               | 5    | 3,250 | 16,250      |
|                               | 4    | 3,500 | 14,000      |
|                               | 4    | 3,750 | 15,000      |
|                               | 3    | 4,000 | 12,000      |
|                               | 3    | 4,250 | 12,750      |
|                               | 2    | 4,500 | 9,000       |
| I alt                         | 25   |       | 91,000      |
| Sveller                       | 12   |       |             |

| Skinner | Stk. | Meter | Igb. Meter. |
|---------|------|-------|-------------|
|         | 2    | 9,000 | 18,000      |
|         | 6    | 8,000 | 48,000      |
| I alt   | 8    |       | 66,000      |

Z-Lasker 7  
Fladlasker 2  
Laskebolte 36  
Spiger 354  
Underlagsplader 96

1 fuldstændigt Fuldungesporskifte  
1 " " Set Tvangskinner  
1 fuldstændig Krykning

Rad: ca: 275<sup>m</sup> Krykning 1:10.



Z-Lasker  
Fladlasker  
Laskebolte  
Spiger  
Underlagsplader

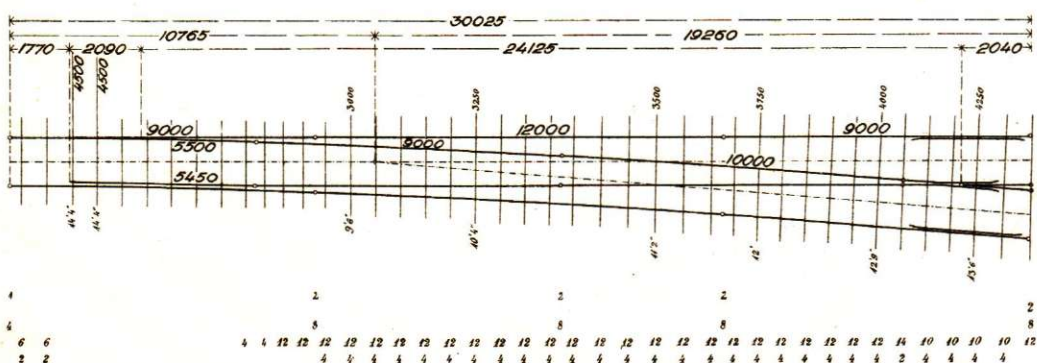
| 130 x 255 mm Sporskiftetømmer | Stk. | Meter | Igb. Meter. |
|-------------------------------|------|-------|-------------|
|                               | 6    | 3,000 | 18,000      |
|                               | 6    | 3,250 | 19,500      |
|                               | 4    | 3,500 | 14,000      |
|                               | 4    | 3,750 | 15,000      |
|                               | 3    | 4,000 | 12,000      |
|                               | 3    | 4,250 | 12,750      |
|                               | 2    | 4,500 | 9,000       |
| I alt                         | 28   |       | 100,250     |
| Sveller                       | 12   |       |             |

| Skinner | Stk. | Meter  | Igb. Meter. |
|---------|------|--------|-------------|
|         | 6    | 9,000  | 54,000      |
|         | 2    | 10,000 | 20,000      |
| I alt   | 8    |        | 74,000      |

Z-Lasker 7  
Fladlasker 2  
Laskebolte 56  
Spiger 370  
Underlagsplader 108

1 fuldstændigt Fuldungesporskifte  
1 " " Set Tvangskinner  
1 fuldstændig Krykning

Rad: ca: 375<sup>m</sup> Krykning 1:12.



Z-Lasker  
Fladlasker  
Laskebolte  
Spiger  
Underlagsplader

| 130 x 255 mm Sporskiftetømmer | Stk. | Meter | Igb. Meter. |
|-------------------------------|------|-------|-------------|
|                               | 5    | 3,000 | 15,000      |
|                               | 7    | 3,250 | 22,750      |
|                               | 4    | 3,500 | 14,000      |
|                               | 5    | 3,750 | 18,750      |
|                               | 4    | 4,000 | 16,000      |
|                               | 3    | 4,250 | 12,750      |
|                               | 2    | 4,500 | 9,000       |
| I alt                         | 30   |       | 108,250     |
| Sveller                       | 12   |       |             |

| Skinner | Stk. | Meter  | Igb. Meter. |
|---------|------|--------|-------------|
|         | 2    | 12,000 | 24,000      |
|         | 4    | 9,000  | 36,000      |
|         | 2    | 10,000 | 20,000      |
| I alt   | 8    |        | 80,000      |

Z-Lasker 7  
Fladlasker 2  
Laskebolte 56  
Spiger 390  
Underlagsplader 114

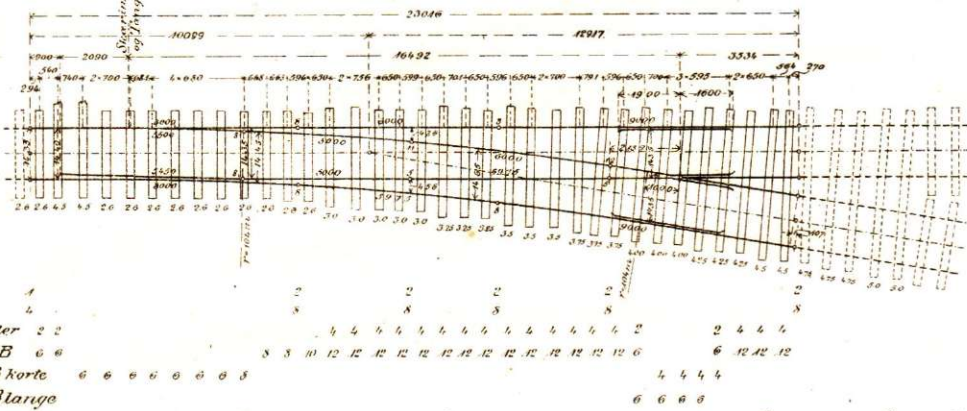
1 fuldstændigt Fuldungesporskifte  
1 " " Set Tvangskinner  
1 fuldstændig Krykning





# Sporskifter.

## Normal-Sporskifte A:6,5. r=104 m



| Sporskiftetønmmer | Stk       | m             | løn m. |
|-------------------|-----------|---------------|--------|
| 5                 | 3,00      | 15,00         |        |
| 3                 | 3,25      | 9,75          |        |
| 3                 | 3,50      | 10,50         |        |
| 3                 | 3,75      | 11,25         |        |
| 3                 | 4,00      | 12,00         |        |
| 3                 | 4,25      | 12,75         |        |
| 4                 | 4,50      | 18,00         |        |
| 3                 | 4,75      | 14,25         |        |
| 2                 | 5,00      | 10,00         |        |
| <b>Jalt</b>       | <b>29</b> | <b>113,50</b> |        |

udenfor Sporskiftet  
Sveller A1

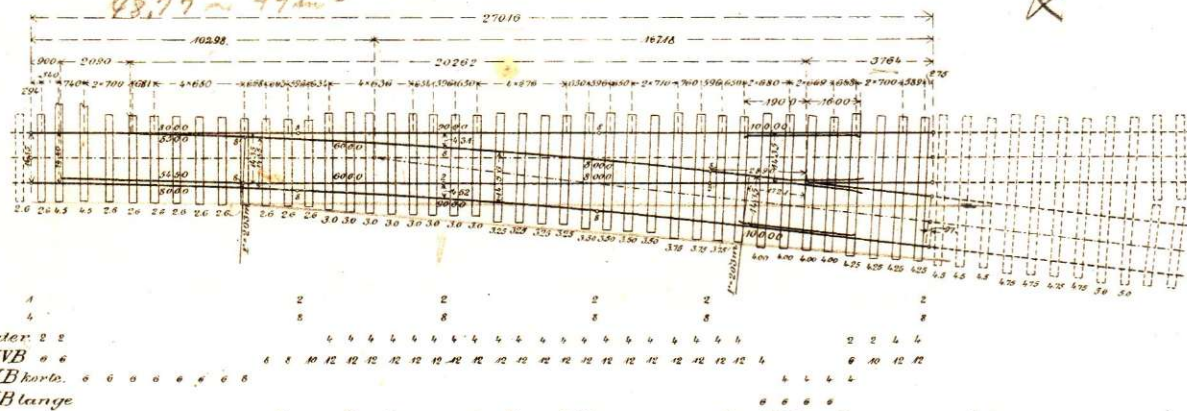
| Stk         | m        | løn m.        |
|-------------|----------|---------------|
| 2           | 5,000    | 10,000        |
| 2           | 5,975    | 11,950        |
| 2           | 6,000    | 12,000        |
| 2           | 9,000    | 18,000        |
| <b>Jalt</b> | <b>8</b> | <b>51,950</b> |

4 Laskepar 44  
Laskebolte 44  
Underlagsplader 78  
Svelleskruer IVB 254  
" VB korte 66  
" VB lange 24

A Fuldstændig Tungeanordning  
A Fuldstændigt Sæt Tvangskinner  
A Fuldstændig Krydsning A:6,5.

Ann. I medkrummede Sporskifter anvendes 6000 m m. Skinner i Stedet for 5975 m m. Skinner.

## Normal-Sporskifte A:9. r=203 m



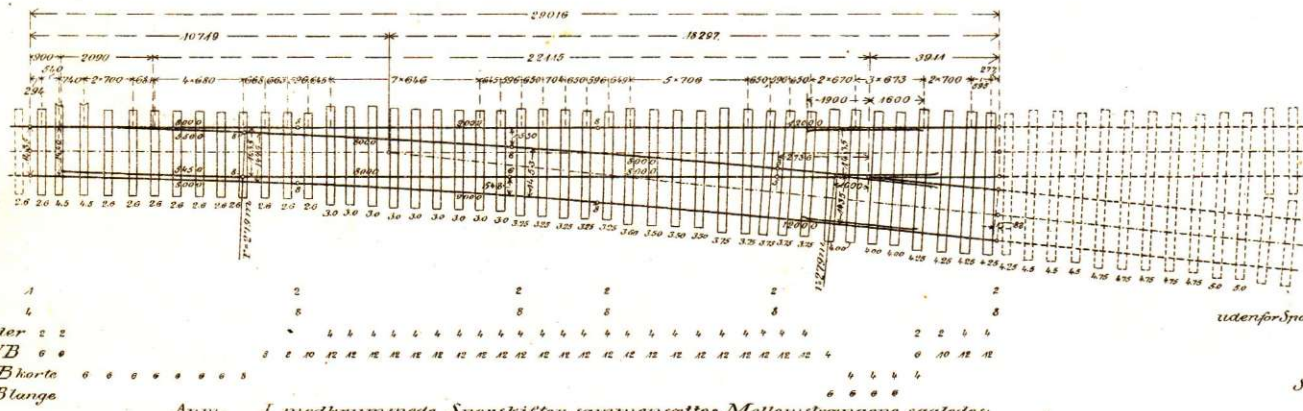
| Sporskiftetønmmer | Stk       | m             | løn m. |
|-------------------|-----------|---------------|--------|
| 8                 | 3,00      | 24,00         |        |
| 4                 | 3,25      | 13,00         |        |
| 4                 | 3,50      | 14,00         |        |
| 4                 | 3,75      | 15,00         |        |
| 4                 | 4,00      | 16,00         |        |
| 4                 | 4,25      | 17,00         |        |
| 2                 | 4,50      | 9,00          |        |
| 3                 | 4,50      | 13,50         |        |
| 4                 | 4,75      | 19,00         |        |
| 2                 | 5,00      | 10,00         |        |
| <b>Jalt</b>       | <b>39</b> | <b>150,50</b> |        |

udenfor Sporskiftet  
Sveller A1

A Fuldstændig Tungeanordning.  
A Fuldstændigt Sæt Tvangskinner.  
A Fuldstændig Krydsning A:9.

Ann. I medkrummede Sporskifter sammensættes Mellemstrængene saaledes:  
Stamsporet: 1 Stk 5980 m m Sk. + 1 Stk 8000 m m Sk.  
Vigesporet: 1 Stk 6020 m m Sk. + 1 Stk 8000 m m Sk.

## Normal-Sporskifte A:10. r=279 m



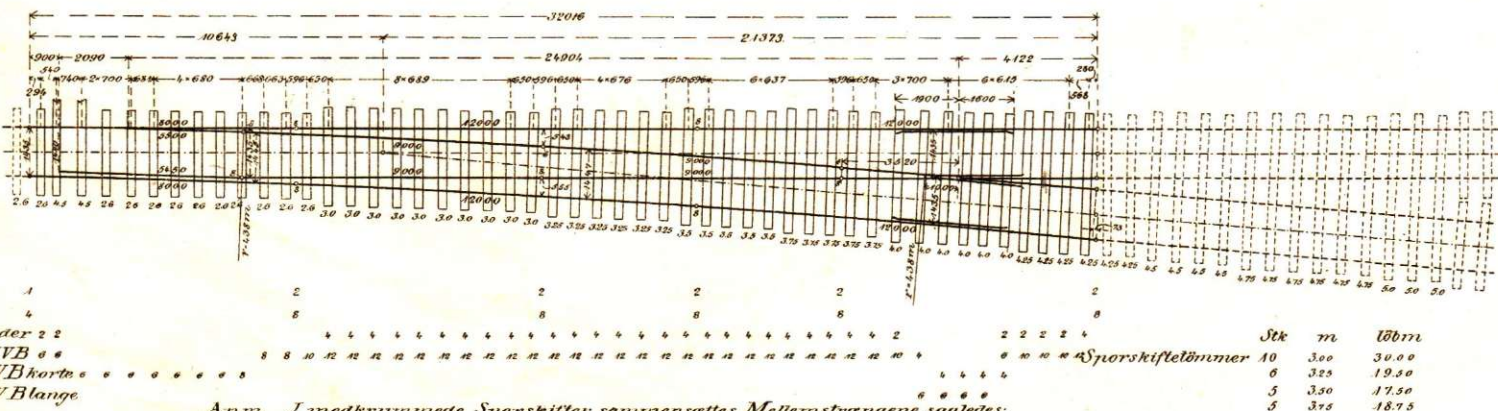
| Sporskiftetønmmer | Stk       | m             | løn m. |
|-------------------|-----------|---------------|--------|
| 9                 | 3,00      | 27,00         |        |
| 5                 | 3,25      | 16,25         |        |
| 4                 | 3,50      | 14,00         |        |
| 5                 | 3,75      | 18,75         |        |
| 4                 | 4,00      | 16,00         |        |
| 4                 | 4,25      | 17,00         |        |
| 2                 | 4,50      | 9,00          |        |
| 1                 | 4,25      | 4,25          |        |
| 3                 | 4,50      | 13,50         |        |
| 5                 | 4,75      | 23,75         |        |
| 2                 | 5,00      | 10,00         |        |
| <b>Jalt</b>       | <b>44</b> | <b>169,50</b> |        |

udenfor Sporskiftet  
Sveller A1

A Fuldstændig Tungeanordning.  
A Fuldstændigt Sæt Tvangskinner.  
A Fuldstændig Krydsning A:10.

Ann. I medkrummede Sporskifter sammensættes Mellemstrængene saaledes:  
Stamsporet: 1 Stk 5980 m m Sk. + 1 Stk 10000 m m Sk.  
Vigesporet: 1 Stk 6020 m m Sk. + 1 Stk 10000 m m Sk.

## Normal-Sporskifte A:12. r=438 m

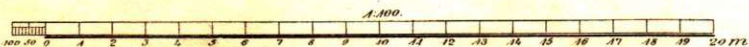


| Sporskiftetønmmer | Stk       | m             | løn m. |
|-------------------|-----------|---------------|--------|
| 10                | 3,00      | 30,00         |        |
| 6                 | 3,25      | 19,50         |        |
| 5                 | 3,50      | 17,50         |        |
| 5                 | 3,75      | 18,75         |        |
| 6                 | 4,00      | 24,00         |        |
| 4                 | 4,25      | 17,00         |        |
| 2                 | 4,50      | 9,00          |        |
| 2                 | 4,25      | 8,50          |        |
| 4                 | 4,50      | 18,00         |        |
| 6                 | 4,75      | 28,50         |        |
| 3                 | 5,00      | 15,00         |        |
| <b>Jalt</b>       | <b>53</b> | <b>205,75</b> |        |

udenfor Sporskiftet  
Sveller A1

A Fuldstændig Tungeanordning  
A Fuldstændigt Sæt Tvangskinner  
A Fuldstændig Krydsning A:12.

Ann. I medkrummede Sporskifter sammensættes Mellemstrængene saaledes:  
Stamsporet: 1 Stk 5975 m m Sk. + 1 Stk 12000 m m Sk.  
Vigesporet: 1 Stk 6023 m m Sk. + 1 Stk 12000 m m Sk.







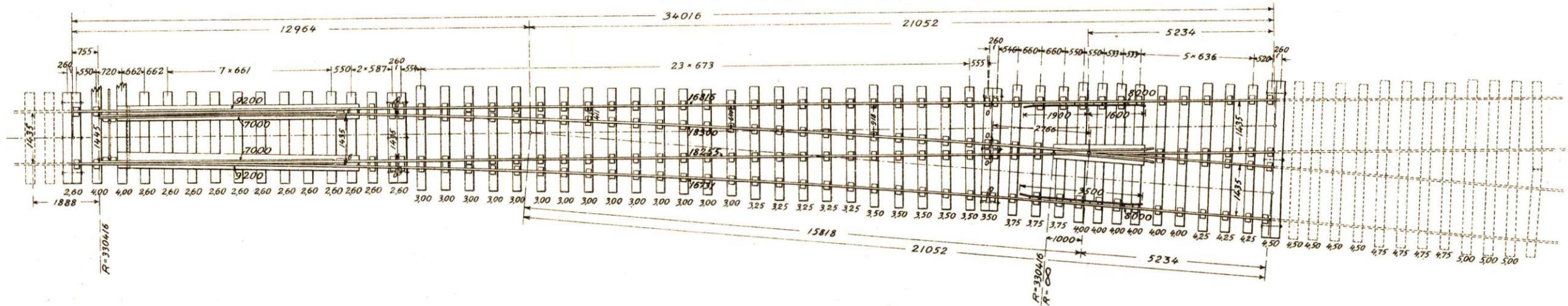


# FULD TUNGESPORSKIFTE 1:11.

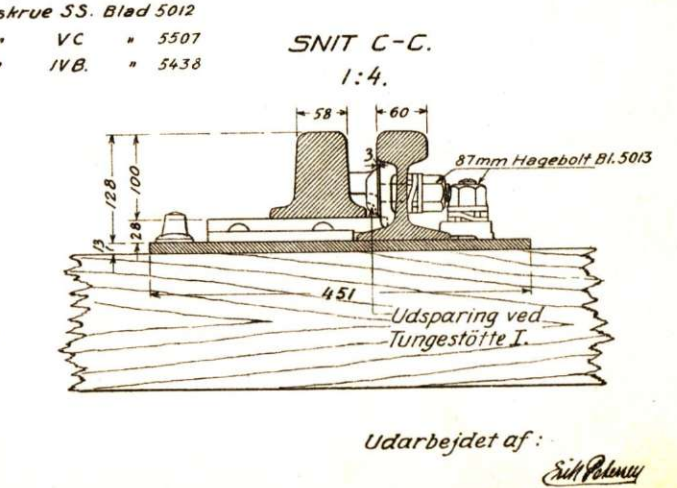
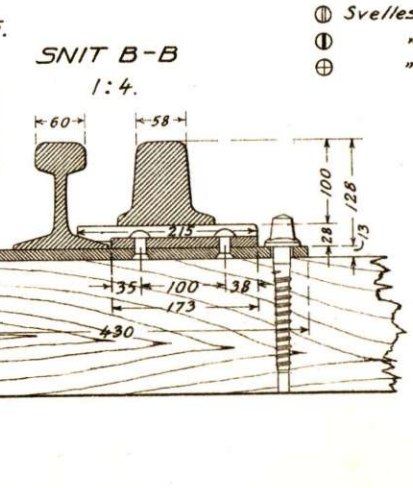
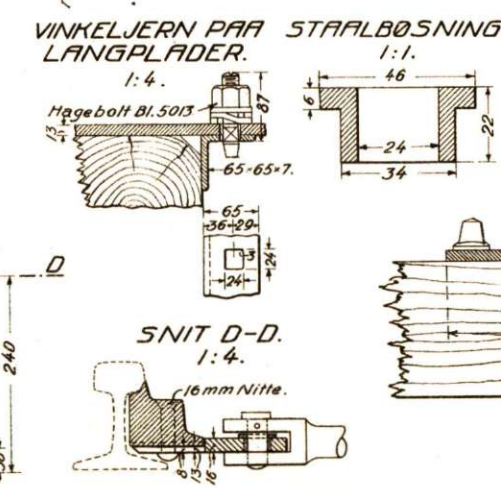
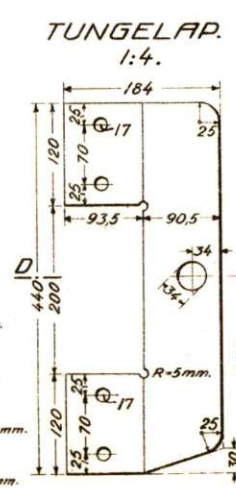
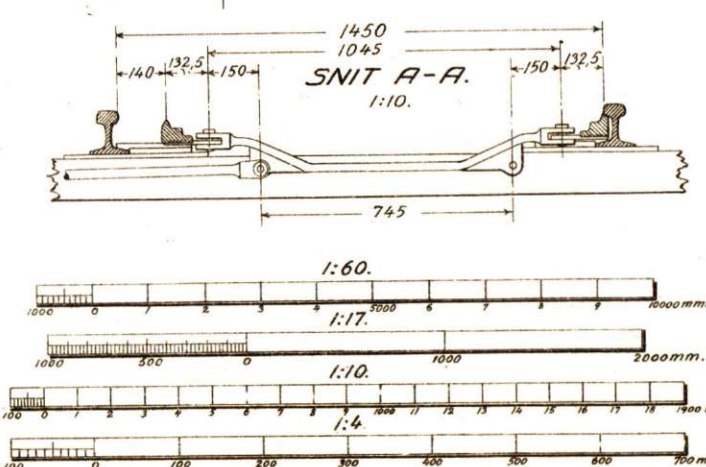
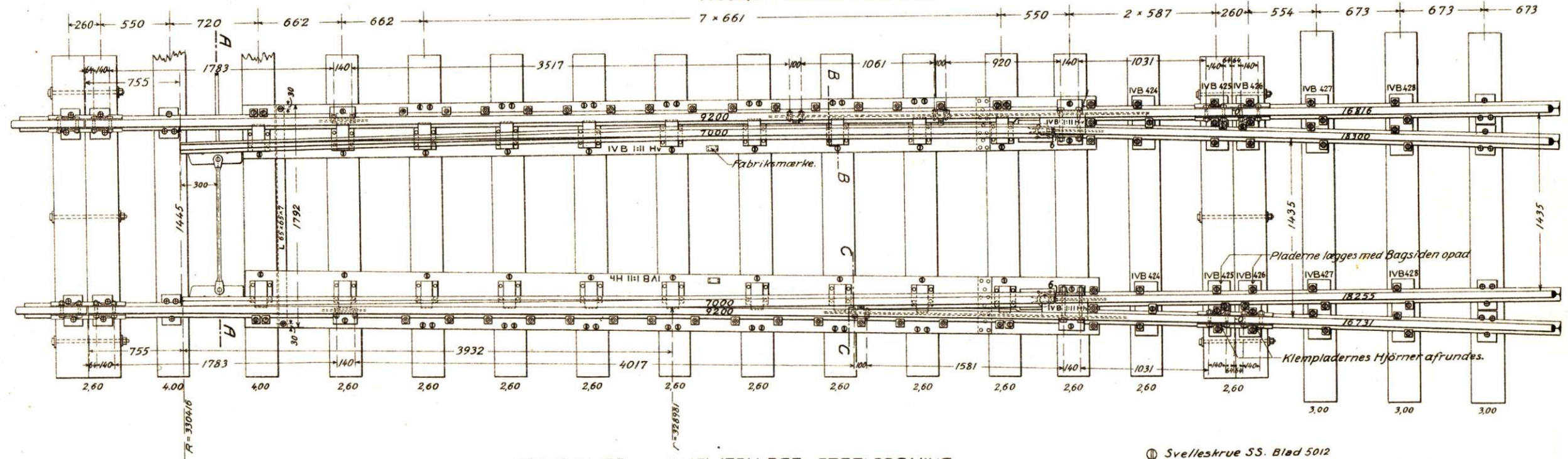
## OVERBYGNING IVB.

Detaller til denne Plan findes paa Bl. 448, 449, 450 og 451.

### PLAN AF HØJRE SPORSKIFTE. 1:60.



### HØJRE TUNGEPARTI. 1:17.

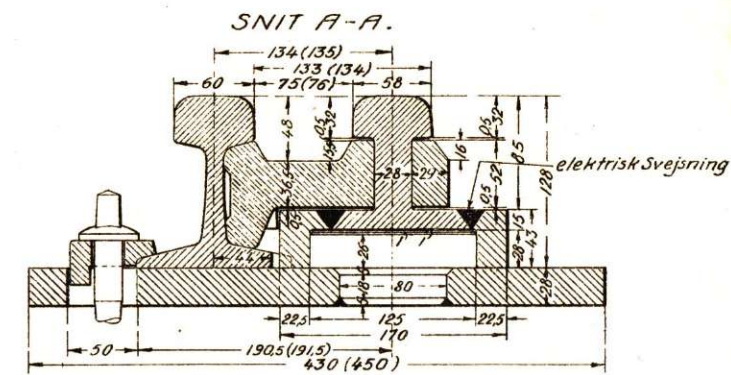
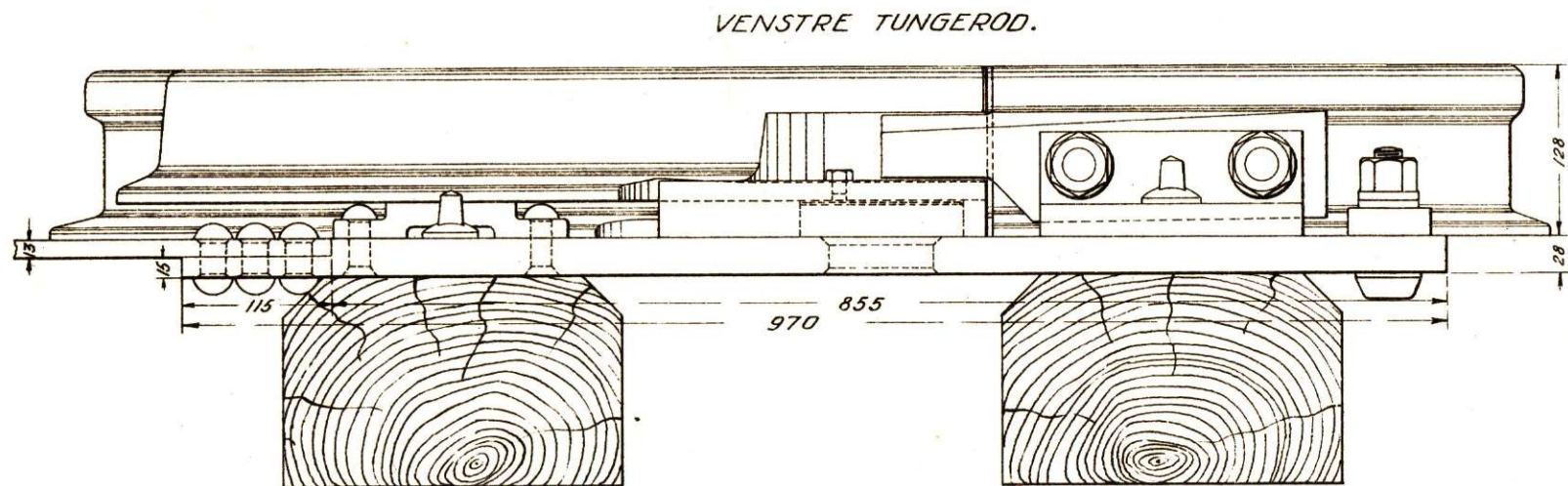


- ⊕ Svelleskrue SS. Blad 5012
- ⊙ " VC " 5507
- ⊕ " IVB. " 5438

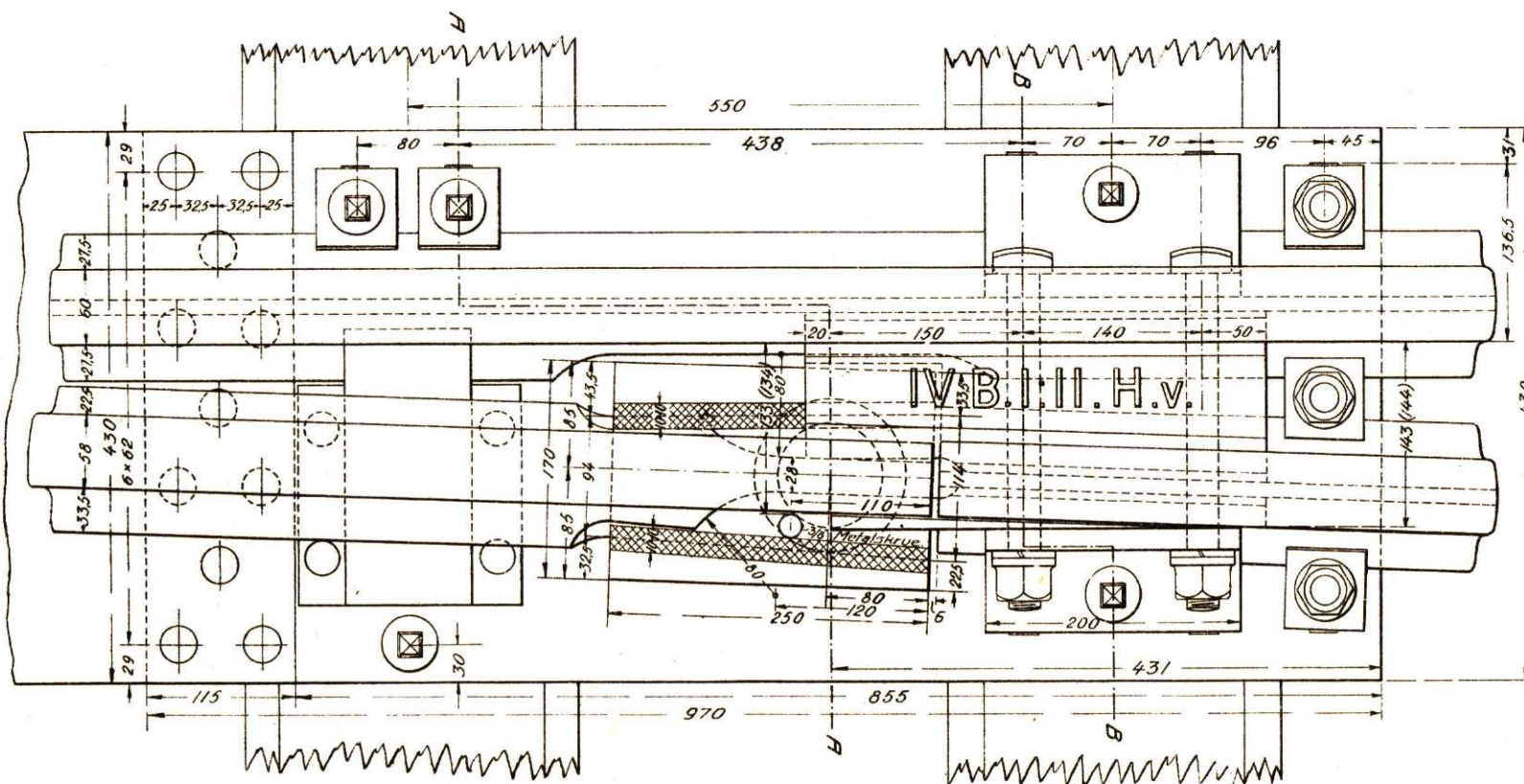
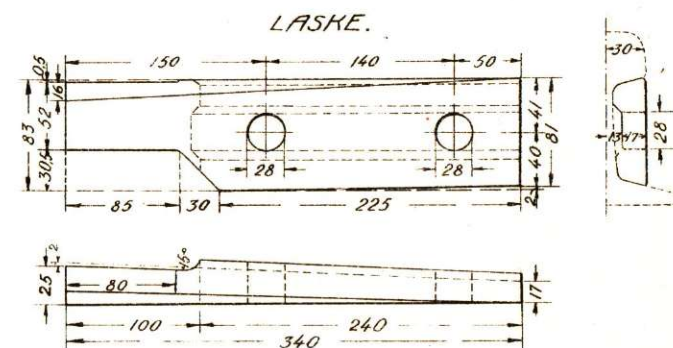
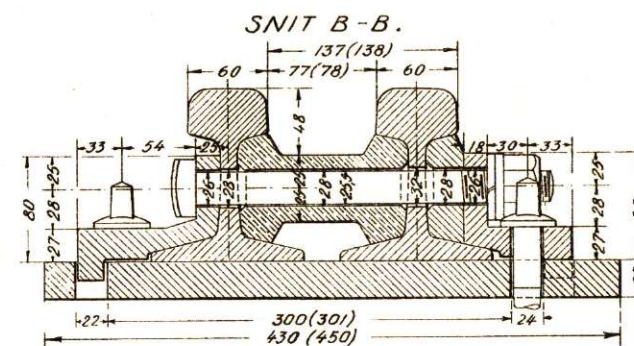
Udarbejdet af:  
Egil Polmøy



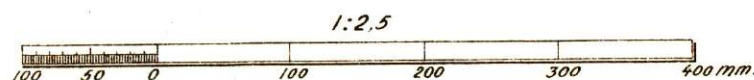
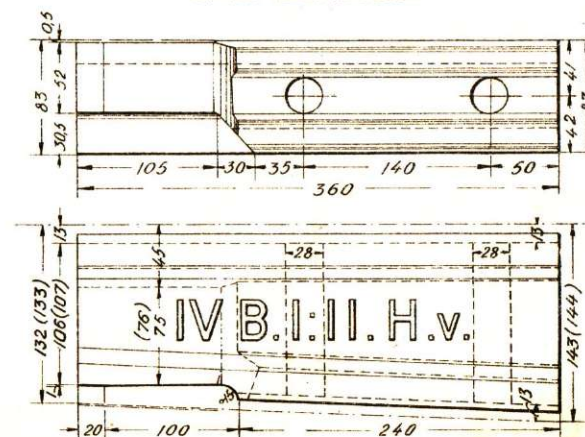
FULD TUNGESPORSKIFTE 1:11.  
TUNGEANORDNING TIL HØJRE SPORSKIFTE.



Maalene for højre Tungerod bliver som vist i Parentes.



SPIENDEKLODS.

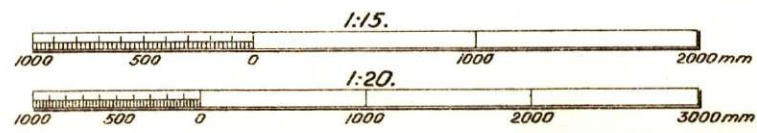
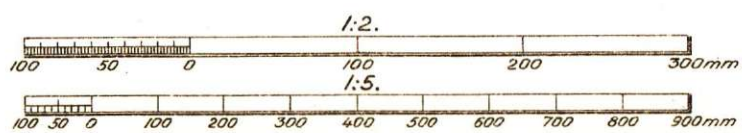
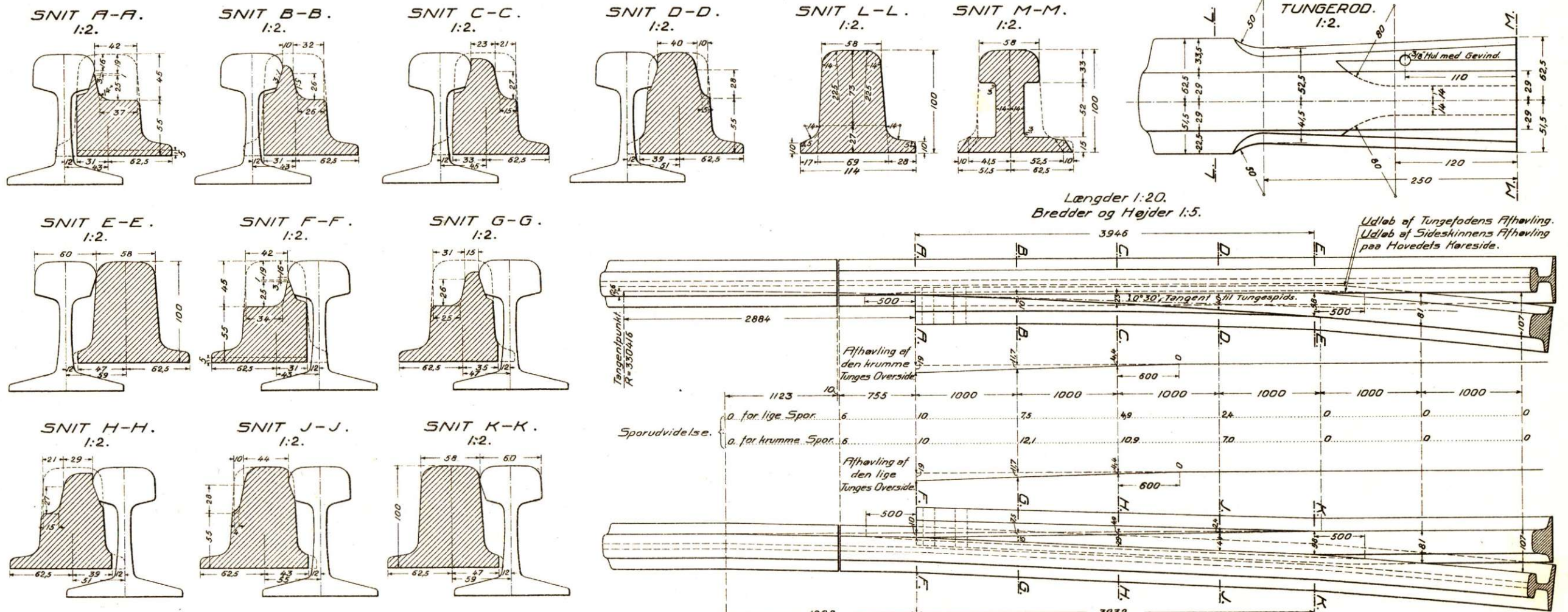
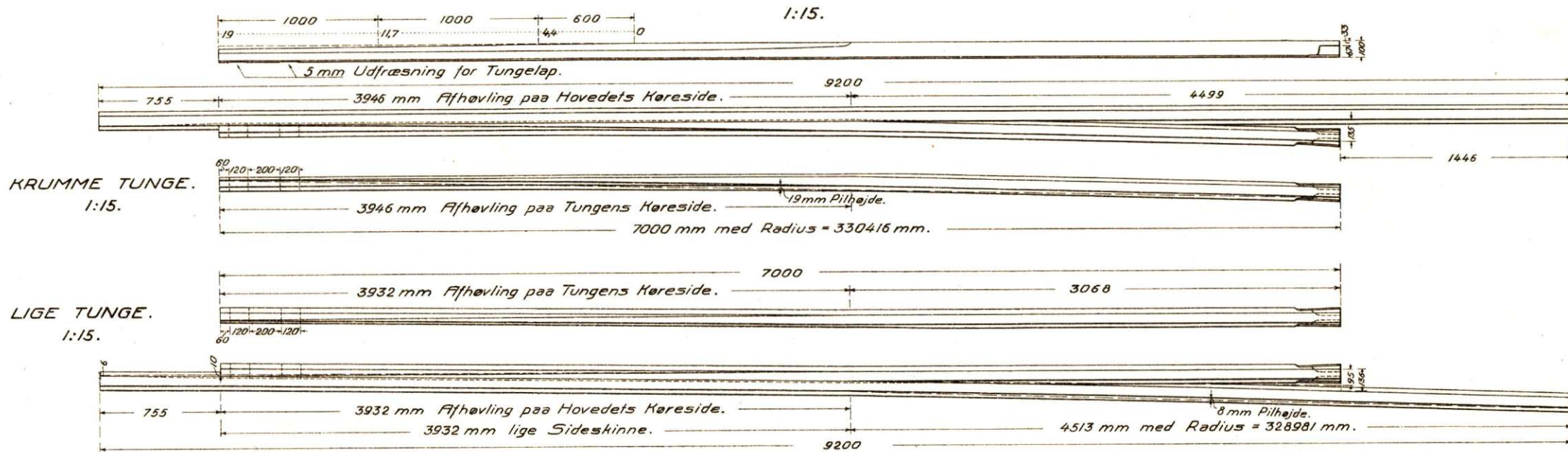


Udarbejdet af:  
E. M. Pedersen









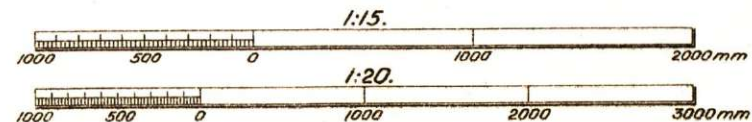
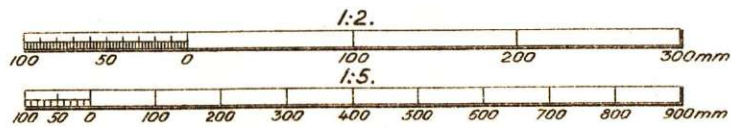
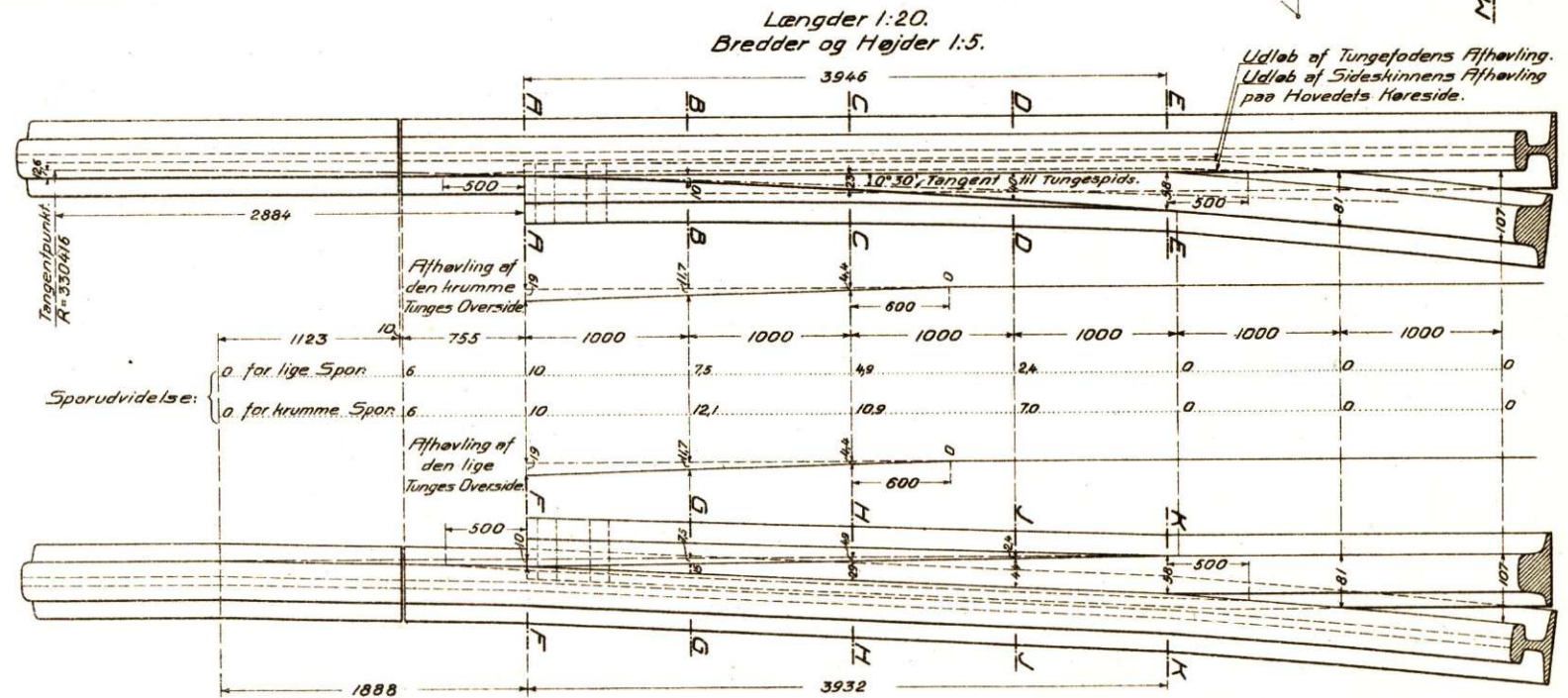
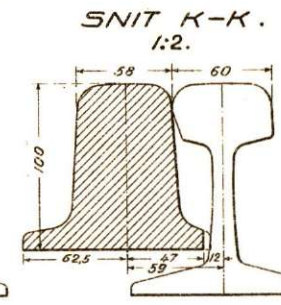
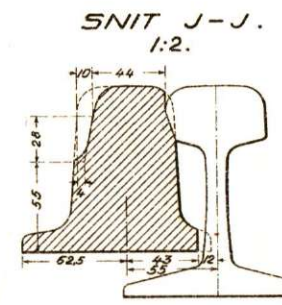
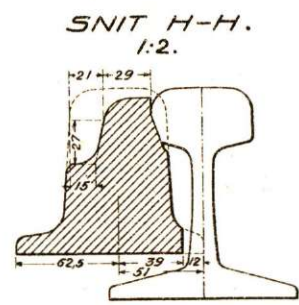
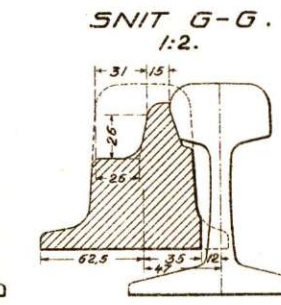
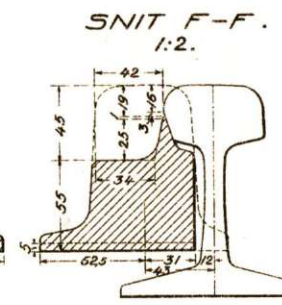
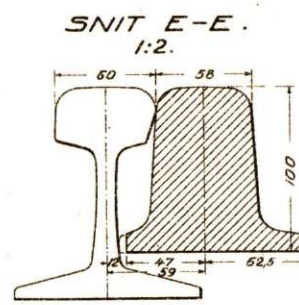
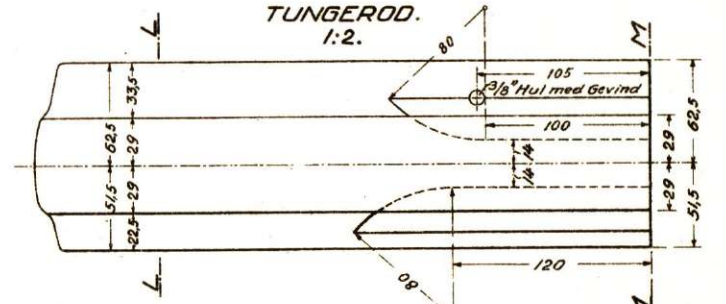
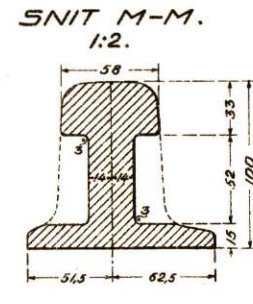
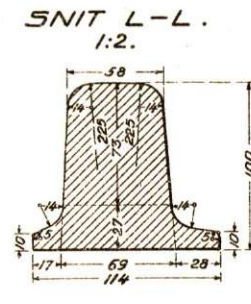
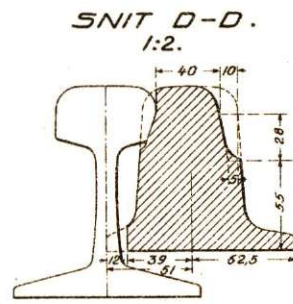
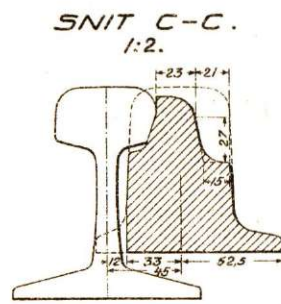
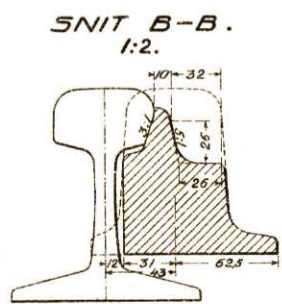
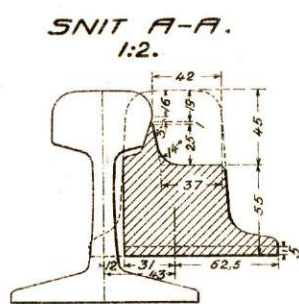
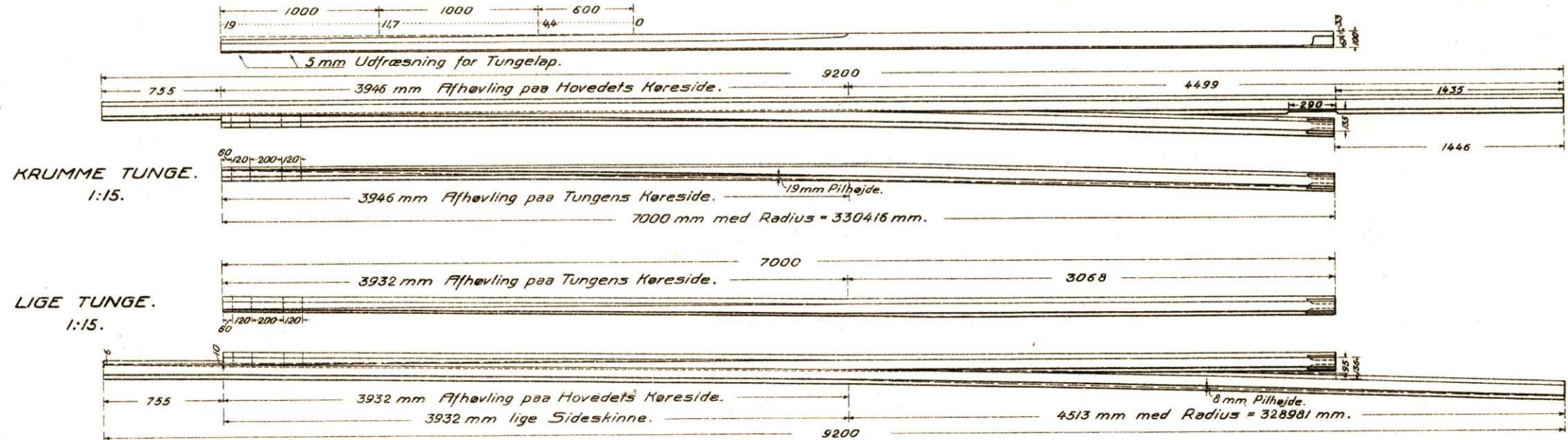
Udarbejdet af:

*E. P. Hansen*



# FULD TUNGESPORSKIFTE 1:11.

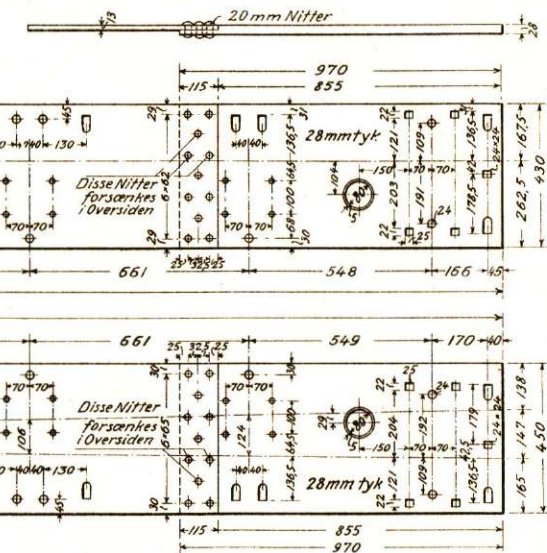
OVERBYGNING IVB.  
HØVLING AF TUNGER OG SIDESKINNER. 1:15.



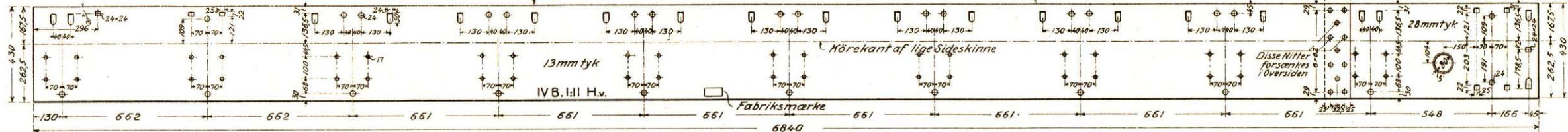
Udarbejdet af:  
*Eit-Pedersen*



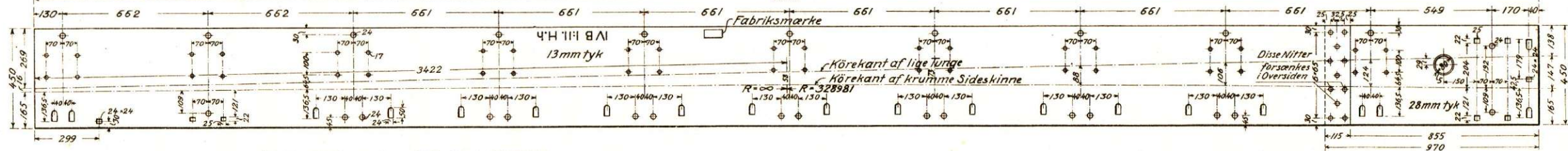
LANGPLADER FOR HØJRE SPORSKIFTE.  
1:10.



VENSTRE PLADE.

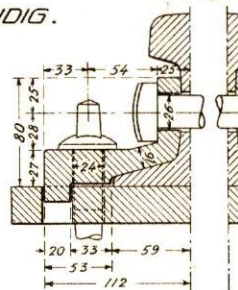
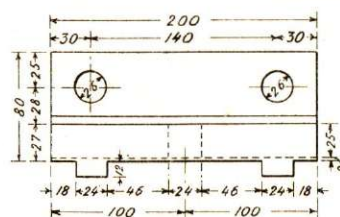


HØJRE PLADE.

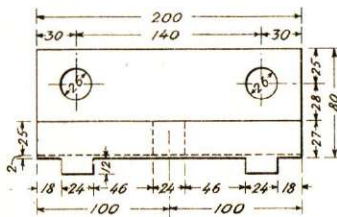


VANDRELASKEANORDNING VED TUNGEROD.  
1:2,5.

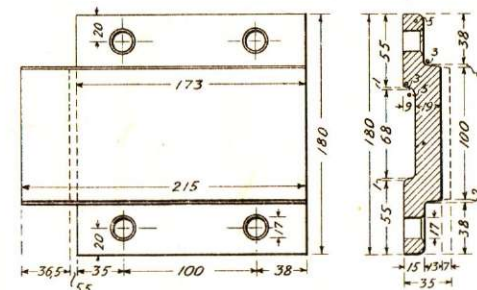
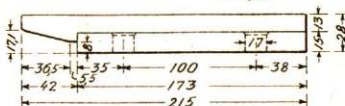
UDVENDIG.



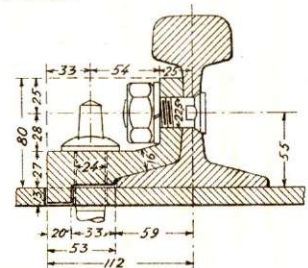
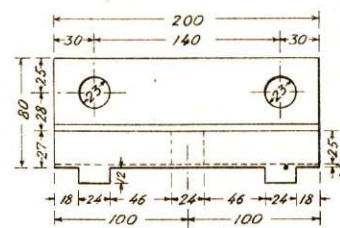
INDVENDIG.



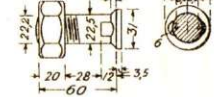
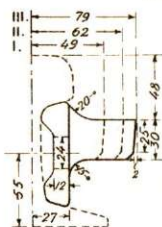
GLIDESTOL.  
1:2,5.



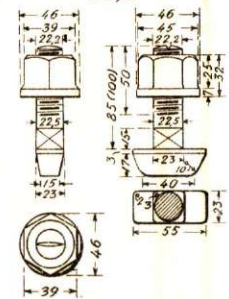
VED TUNGESPIDS.



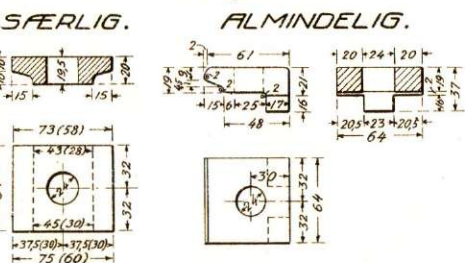
TUNGESTØTTER.  
1:2,5.



KLEMPLEDBOLT.  
1:2,5.

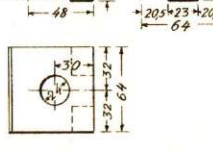
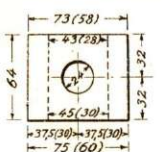


KLEMPLEDER.  
1:2,5.

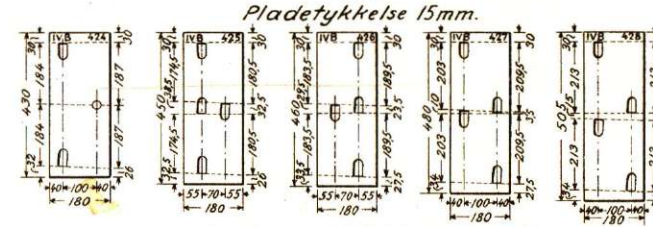


SÆRLIG.

ALMINDELIG.



SÆRLIGE UNDERLAGSPLADER.  
1:10.



MATERIALFORTEGNELSE.

| Til en Tungeanordning 1:11 hører:          |  | Stk | å kg.   | ialt kg.     | Til et fuldstændigt Sporskifte 1:11 hører: |  | Stk | å kg.   | ialt kg.      |
|--|--|-----|---------|--------------|--|--|-----|---------|---------------|
| 9200 mm Sideskinne                         |  | 2   | 336,830 | 673,6        | 1 fuldständig Tungeanordning 1:11          |  | 1   |         | 24420         |
| 7000 " Fuldtunge med Lap                   |  | 2   | 328,495 | 657,0        | 1 " Krydsning 1:11                         |  | 1   |         | 1014,6        |
| 6840 " Langplade (Hv. eller Vh)            |  | 1   | 341,388 | 341,4        | 1 " Sæt Tvængskinner 1:11                  |  | 1   |         | 3880          |
| 6840 " " (Hh eller Vv)                     |  | 1   | 357,633 | 357,6        | 18300 mm Skinner                           |  | 1   |         | 6760          |
| Særlige Underlagsplader Nr. 424-428        |  | 10  |         | 933          | 18255 " "                                  |  | 1   |         | 674,3         |
| 20 mm Nitter til Langplader                |  | 22  |         | 40           | 16816 " "                                  |  | 1   |         | 661,2         |
| 215 " Glidestole                           |  | 20  | 5,083   | 101,7        | 16731 " "                                  |  | 1   |         | 617,4         |
| 16 " Nitter til Glidestole                 |  | 80  |         | 69           | 8000 " "                                   |  | 2   | 294,726 | 589,5         |
| Alm. Klemplader                            |  | 76  |         | 380          | Normale Underlagsplader IV B               |  | 122 | 5,310   | 647,8         |
| Særlige Klemplader                         |  | 4   |         | 21           | Svelleskruer VB hæng SS                    |  | 108 | 0,550   | 59,4          |
| 22,2 mm Klempladebolte 85 mm lange         |  | 30  | 0,656   | 19,7         | " VB korte                                 |  | 68  | 0,470   | 32,0          |
| 22,2 " " 100 " "                           |  | 6   | 0,696   | 4,6          | " IVB                                      |  | 352 | 0,470   | 165,4         |
| Spænderinge til 22,2 mm Bolte              |  | 46  | 0,047   | 2,2          | L Lasker IVB                               |  | 18  | 10,090  | 181,6         |
| Tungestøtter                               |  | 1   | 1,955   | 20           | Laskerbolte IVB                            |  | 36  | 0,847   | 30,5          |
| " "  |  | 1   | 2,046   | 20           | Spænderinge til 22,5 mm Bolte              |  | 36  | 0,047   | 1,7           |
| " "  |  | 1   | 2,200   | 22           | Forbindelsesstang med 2 Gaffelbolte        |  | 1   |         | 151           |
| 22,2 mm Bolte til Tungestøtter 85 mm lange |  | 6   | 0,656   | 3,9          | <b>Falt:</b>                               |  |     |         | <b>8196,5</b> |
| Tungerodsklodser                           |  | 2   | 8,882   | 17,7         | Koblede Sveller                            |  | 2   |         |               |
| Omdrejningstappe                           |  | 2   | 3,800   | 7,6          | Alm. "                                     |  | 11  |         |               |
| Spændeklodser                              |  | 1   | 23,300  | 23,3         | Koblet Sporskiftetømmer 3,50 m             |  | 1   |         |               |
| " "  |  | 1   | 23,400  | 23,4         | " " 4,50 "                                 |  | 1   |         |               |
| Tungerodslasker                            |  | 2   | 3,900   | 7,8          | Alm. "                                     |  | 14  |         |               |
| Vandrelaskeanordninger ved Tungerod        |  | 2   | 9,849   | 19,7         | " " 3,25 "                                 |  | 5   |         |               |
| 25,4 mm Tværbolte 265 mm lange             |  | 4   | 1,665   | 6,7          | " " 3,50 "                                 |  | 5   |         |               |
| Spænderinge til 25,4 mm Bolte              |  | 4   | 0,068   | 0,3          | " " 3,75 "                                 |  | 3   |         |               |
| Vandrelaskeanordning ved Tungespids        |  | 2   | 5,081   | 10,2         | " " 4,00 "                                 |  | 8   |         |               |
| 22,2 mm Bolte 60 mm lange                  |  | 4   | 0,210   | 0,8          | " " 4,25 "                                 |  | 3   |         |               |
| L Fern 65*65*7 mm ved Tungespids           |  | 1   |         | 12,3         | " " 4,50 " udenfor                         |  | 4   |         |               |
| <b>Falt:</b>                               |  |     |         | <b>24420</b> | " " 4,75 " Spor-                           |  | 4   |         |               |
|  |  |     |         |              | " " 5,00 " skiftet.                        |  | 3   |         |               |

Levering af Svelleskruer, normale Underlagsplader, Forbindelses- og Trækstang er Fabrikanten uvedkommende. Skinner og Fuldtonger leveres utildannede af Statsbanerne.  
De særlige Underlagsplader, Langplader, Spændeklodser og Tungestøtter mærkes som vist paa Tegningerne.

Udarbejdet af:

E. P. Hansen

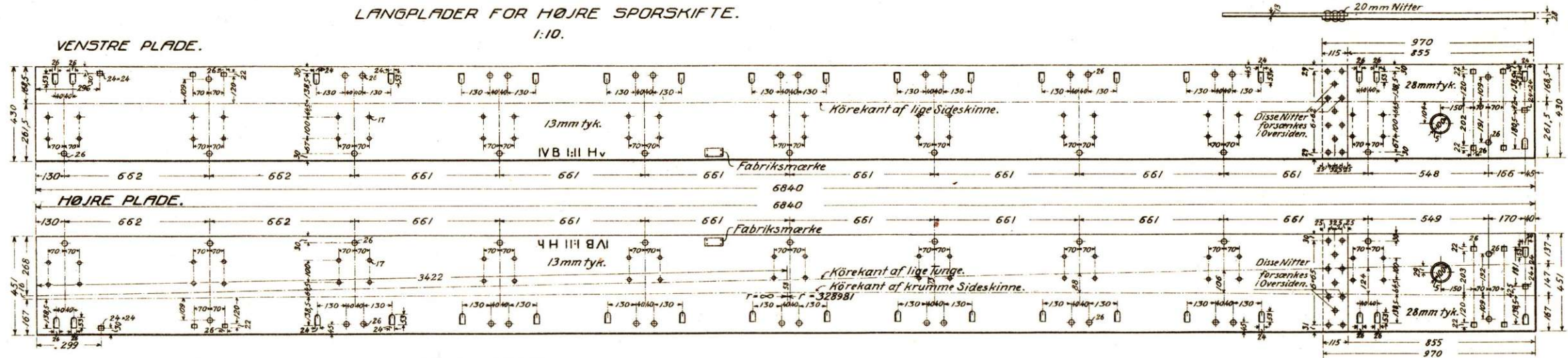


# FULDUNGESPORSKIFTE 1:11.

## OVERBYGNING IVB.

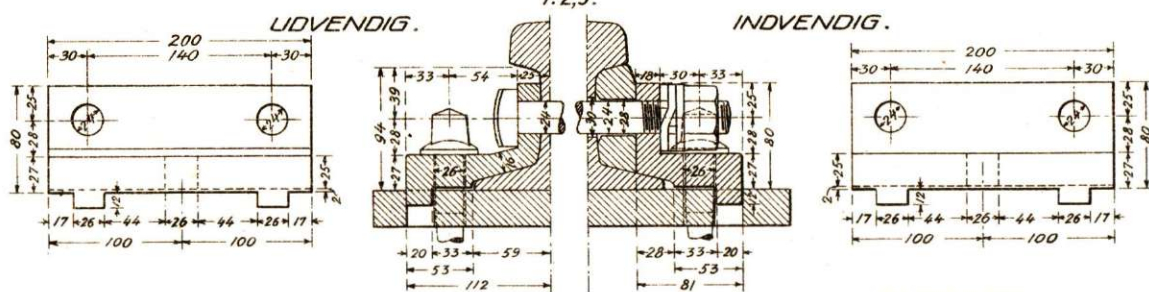
LANGPLADER FOR HØJRE SPORSKIFTE.

1:10.



VANDRELASKEANORDNING VED TUNGEROD.

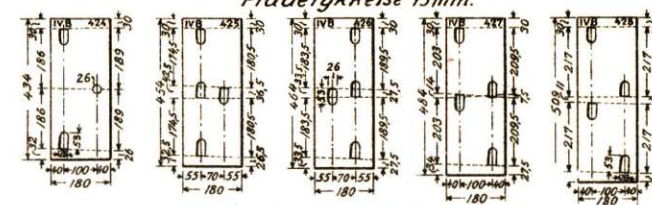
1:2,5.



SÆRLIGE UNDERLAGSPLADER.

1:10.

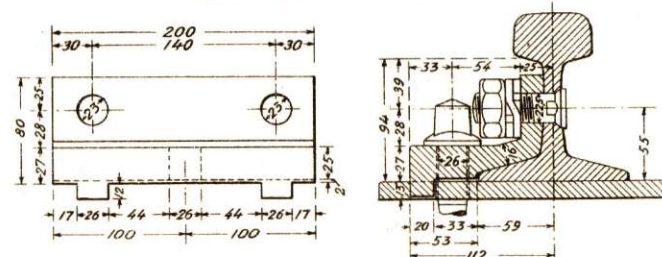
Pladetykkelse 15mm.



MATERIALFORTEGNELSE.

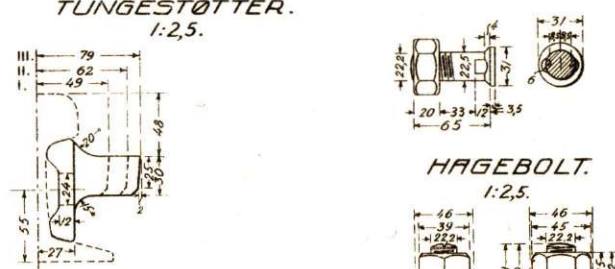
| Til et Tungeparti 1:11 hører: |          |                                     | Til et fuldstændigt Sporskifte 1:11 hører: |         |          |
|-------------------------------|----------|-------------------------------------|--|---------|----------|
| Stk                           | à kg.    | Ialt kg.                            | Stk  | à kg.   | Ialt kg. |
| 9200                          | 23,6830  | 673,6                               | 1  | 24,545  | 24,545   |
| 7000                          | 2328,495 | 657,0                               | 1  | 1016,9  | 1016,9   |
| 6840                          | 1343,012 | 343,0                               | 1  | 319,8   | 319,8    |
| 6840                          | 1360,070 | 360,1                               | 1  | 676,0   | 676,0    |
| 10                            | 94,9     | 18255                               | 1  | 674,3   | 674,3    |
| 22                            | 4,0      | 16816                               | 1  | 661,2   | 661,2    |
| 20                            | 5,083    | 101,7                               | 1  | 617,4   | 617,4    |
| 80                            | 6,9      | 8000                                | 1  | 294,726 | 589,5    |
| 76                            | 0,562    | 42,7                                | 22   | 5,230   | 638,1    |
| 4                             | 2,1      | Svelleskruer S5                     | 108  | 0,620   | 66,9     |
| 36                            | 0,656    | Svelleskruer VC                     | 68   | 0,538   | 36,6     |
| 6                             | 0,696    | IVB                                 | 352  | 0,615   | 216,5    |
| 50                            | 0,092    | L Lasker IVB                        | 18   | 10,090  | 181,6    |
| I                             | 1,955    | Laskebolte IVB                      | 36   | 0,847   | 30,5     |
| II                            | 2,046    | Dobb. Spænderinge                   | 36   | 0,092   | 3,3      |
| III                           | 2,200    | Forbindelsesstang med 2 Gaffelbolte | 1  | 1,51    | 1,51     |
| 4                             | 6,6      | Ialt:                               |  |         | 8258,2   |
| 2                             | 8,882    | Kablede Sveler                      | 2  |         |          |
| 2                             | 3,800    | Alm. "                              | 11   |         |          |
| 1                             | 23,300   | Kablet Sporskiftetømmer 3,50 m      | 1  |         |          |
| 1                             | 23,400   | " " " 4,50 "                        | 1  |         |          |
| 2                             | 3,900    | " " " 3,00 "                        | 14   |         |          |
| 4                             | 9,849    | " " " 3,25 "                        | 5  |         |          |
| 2                             | 5,081    | " " " 3,50 "                        | 5  |         |          |
| 4                             | 0,226    | " " " 3,75 "                        | 3  |         |          |
| 1                             | 12,3     | " " " 4,00 "                        | 8  |         |          |
| 1                             | 2454,5   | " " " 4,25 "                        | 3  |         |          |
|                               |          | " " " 4,50 " udenfor                | 4  |         |          |
|                               |          | " " " 4,75 " Spor                   | 4  |         |          |
|                               |          | " " " 5,00 " skiftet.               | 3  |         |          |

VED TUNGESPIDS.



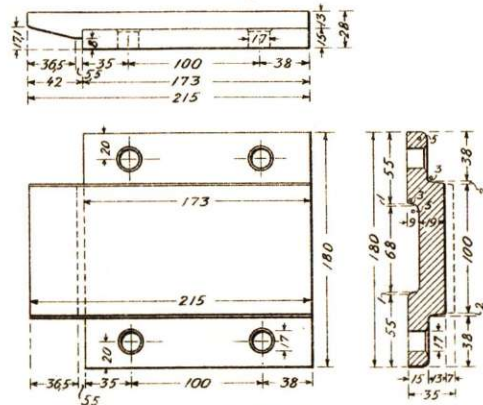
TUNGESTØTTER.

1:2,5.



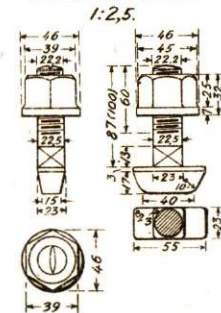
GLIDESTOL.

1:2,5.



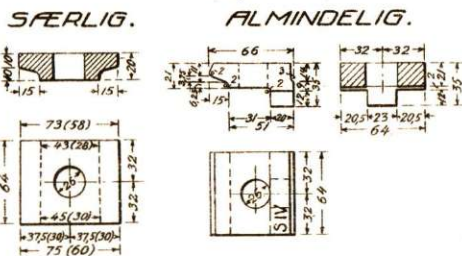
HÅGEBOLT.

1:2,5.

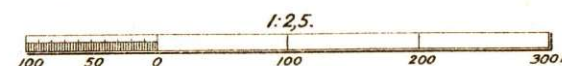


KLEMLADER.

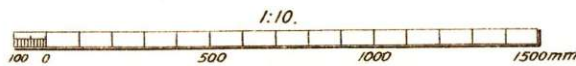
1:2,5.



1:2,5.



1:10.



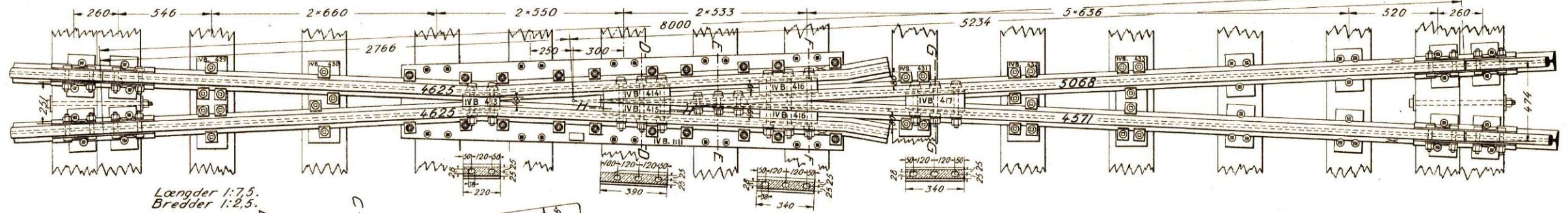
De særlige Underlagsplader, Langplader, Spændeklodser og Tungestøtter mærkes som vist paa Tegningen.

Udarbejdet af:

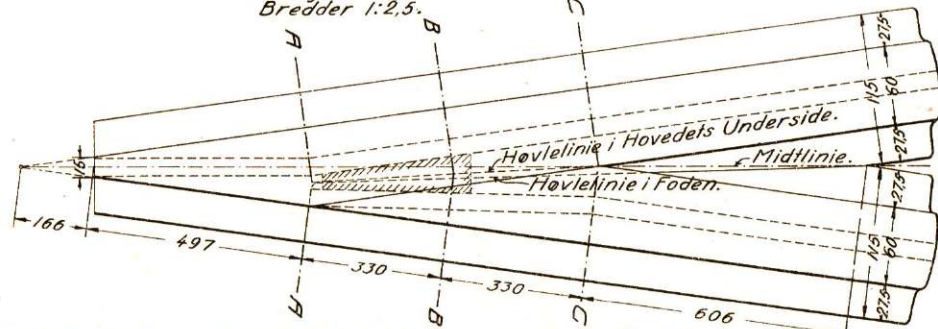
Ent. Hansen



1:12,5.



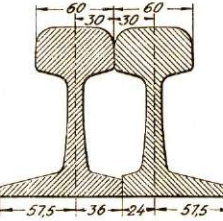
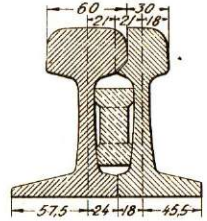
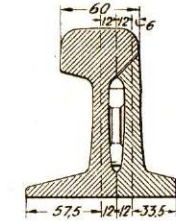
Længder 1:7,5.  
Bredder 1:2,5.



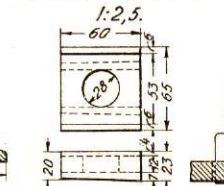
SNIT A-A. 1:2,5.

SNIT B-B. 1:2,5.

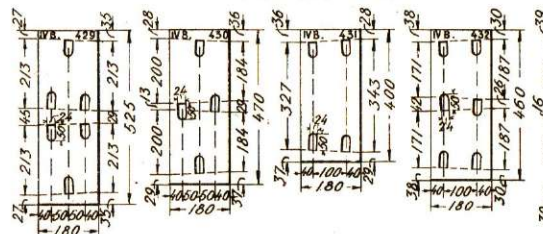
SNIT C-C. 1:2,5.



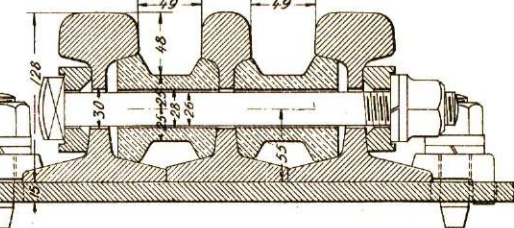
SPÆNDEPLADE.



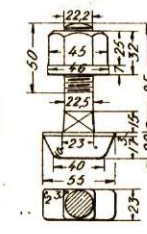
SÆRLIGE UNDERLAGSPLADER.  
15mm Plade. 1:10.



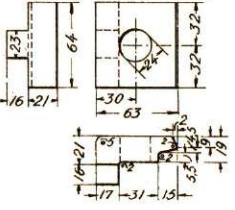
SNIT D-D. 1:2,5.



KLEMLADEBOLT.  
1:2,5.



KLEMLADE. 1:2,5.



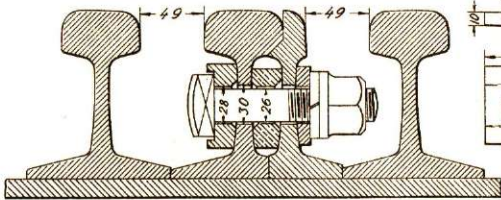
MATERIALFORTEGNELSE.

| Krydsning 1:11                | Stk à kg | Ialt kg | Et fuldstændig Sæt            | Stk à kg | Ialt kg |
|-------------------------------|----------|---------|-------------------------------|----------|---------|
| 5068 mm Skinne                | 1        | 180,5   | 3500 mm Tvangsskinne          | 2        | 100,80  |
| 4625 " "                      | 2        | 169,89  | Spændeklodser smalle          | 4        | 6,00    |
| 4571 " "                      | 1        | 160,3   | " brede                       | 4        | 6,80    |
| Langplade                     | 1        | 147,0   | Tværbolte 25,4 mm             | 16       | 19,7    |
| Særlige Underlagspl.          | 5        | 47,1    | Spændepåler                   | 16       | 0,40    |
| Spændeklodser                 | 7        | 72,0    | Særlige Underlagsplader       | 10       | 7,80    |
| Spændepåler store             | 25       | 0,40    | Klemlader                     | 30       | 0,70    |
| " små                         | 3        | 0,20    | " store                       | 30       | 0,30    |
| Tværbolte 25,4 mm             | 14       | 19,5    | Spænderinge til 25,4 mm Bolte | 16       | 0,07    |
| Klemlader alm.                | 46       | 0,50    | Ialt:                         |          | 388,0   |
| Klemladebolte                 | 20       | 0,64    |                               |          |         |
| Spænderinge til 25,4 mm Bolte | 14       | 0,07    |                               |          |         |
| " " 22,2 " "                  | 20       | 0,05    |                               |          |         |
| Ialt:                         |          | 1014,6  |                               |          |         |

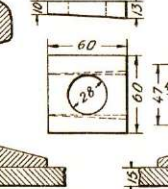
⊙ Svelleskrue VB lang.  
⊙ " " kort.  
⊙ " " VB.

I Spændeklodsernes Overside støbes de paa Tegningen viste Mærker.  
De særlige Underlagsplader og Langpladen mærkes som vist paa Tegningen.  
Hældningsforholdets Nævner stemples paa Foden af Hjerter- og Vingeskinner  
paa de med x mærkede Steder.

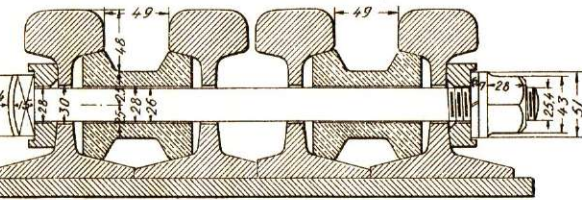
SNIT E-E. 1:2,5.



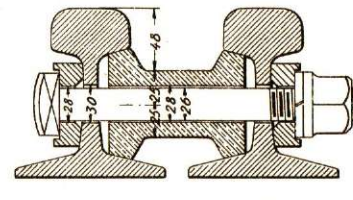
SPÆNDEPL. 1:2,5.



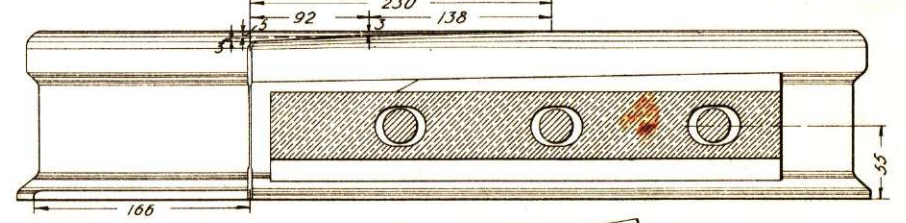
SNIT F-F. 1:2,5.



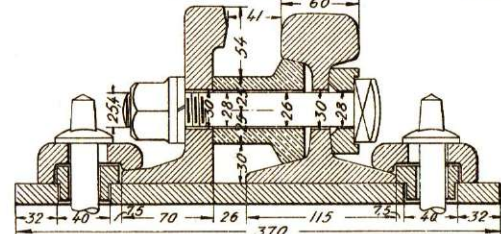
SNIT G-G. 1:2,5.



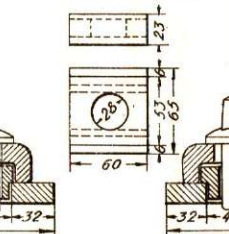
SNIT H-H. 1:2,5.



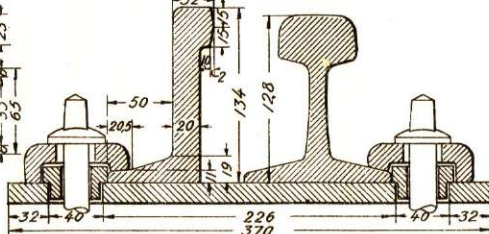
SNIT J-J. 1:2,5.



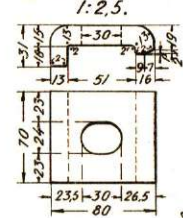
SPÆNDEPL. 1:2,5.



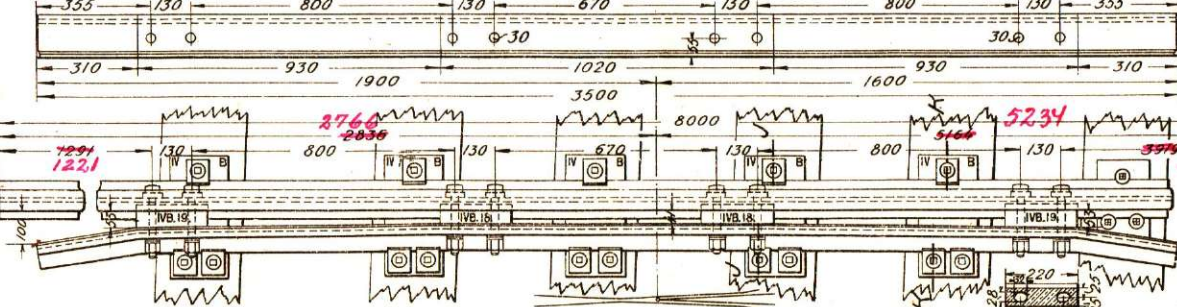
SNIT K-K. 1:2,5.



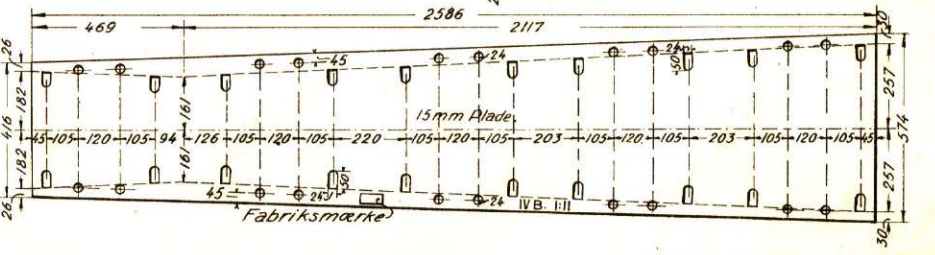
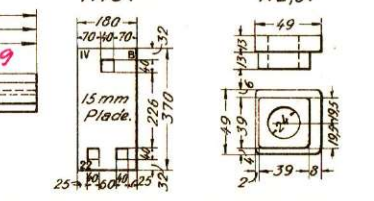
KLEMLADE. 1:2,5.



TVANGSSKINNE. 1:10.



UNDERLAGSPL. INDSKUDSPL. 1:10.



1:12,5.

1:10.

1:7,5.

1:2,5.

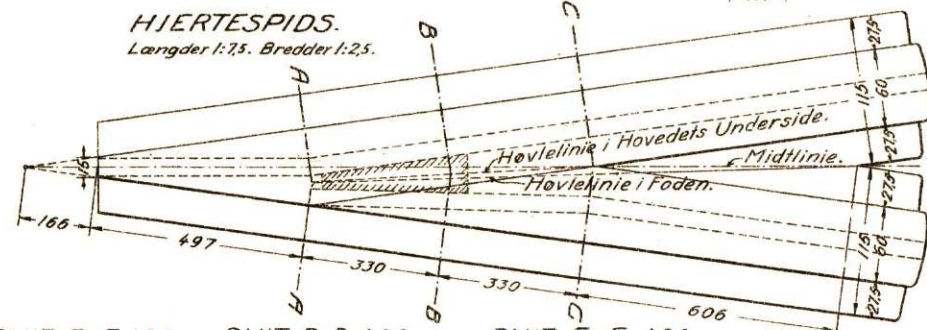
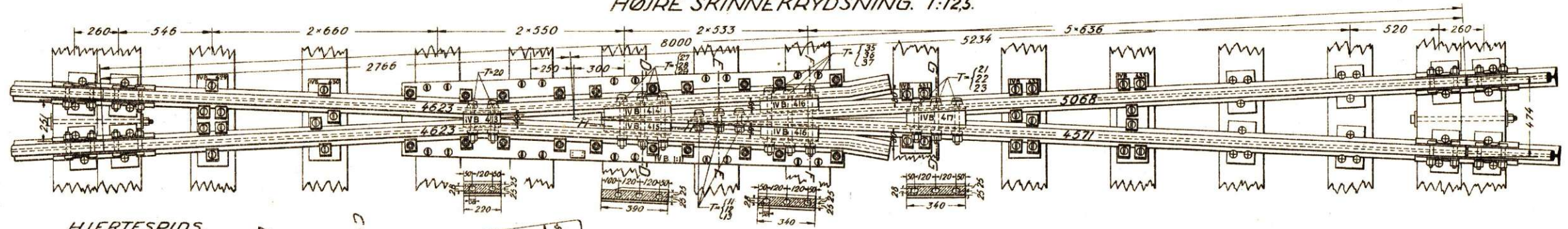


Udarbejdet af:

E. P. Hansen



FULD TUNGESPORSKIFTE 1:11.  
OVERBYGNING IV B.  
HØJRE SKINNEKRYDSNING. 1:12,5.



SÆRLIGE UNDERLAGSPLADER.  
15mm Plade. 1:10.

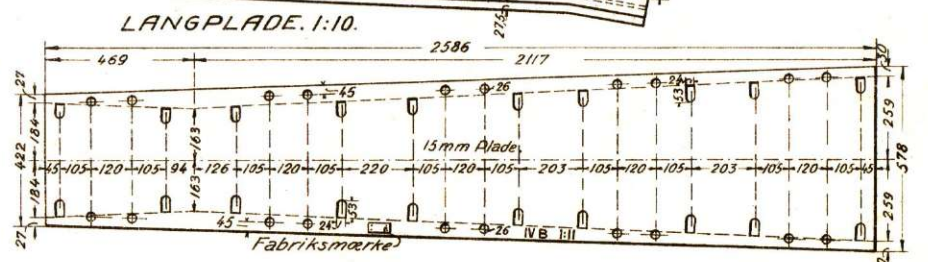
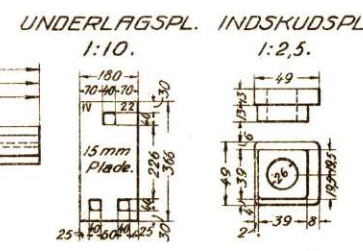
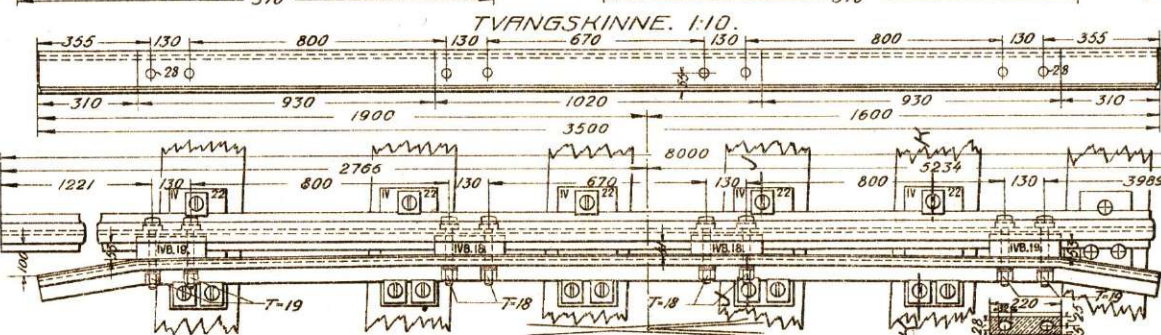
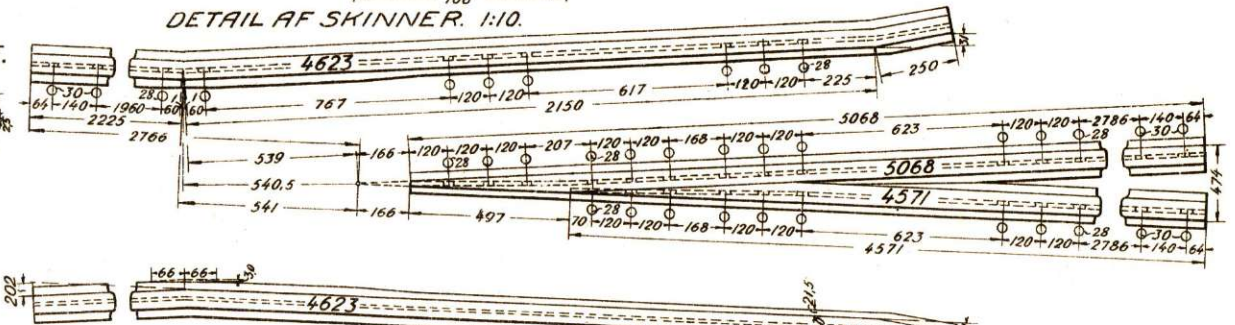
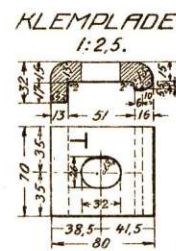
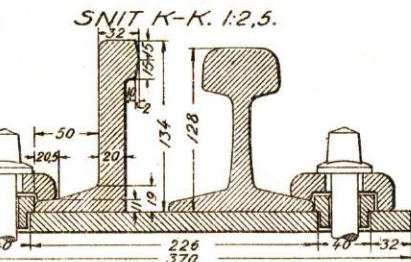
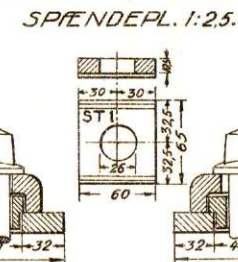
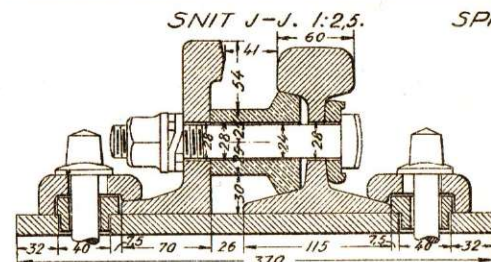
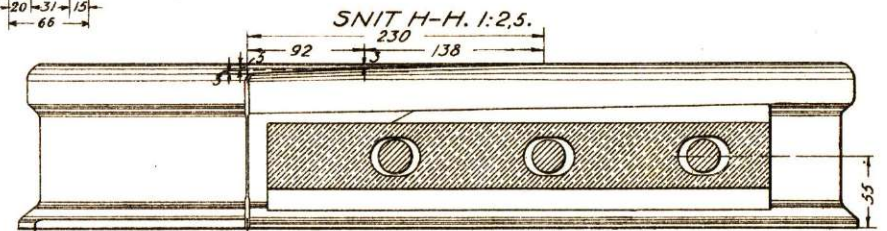
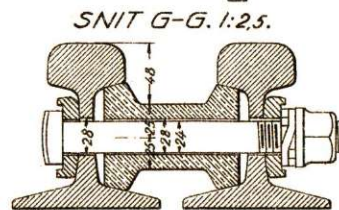
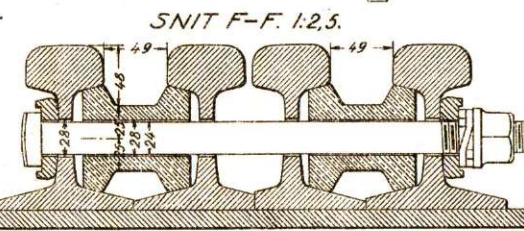
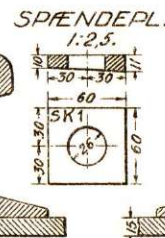
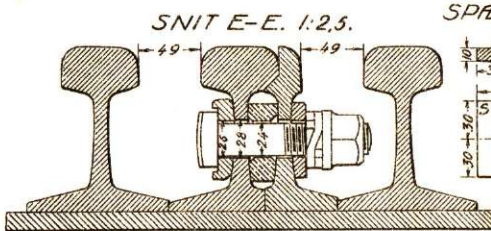
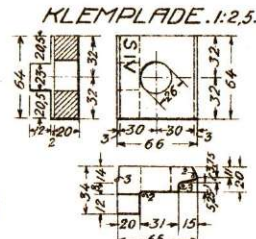
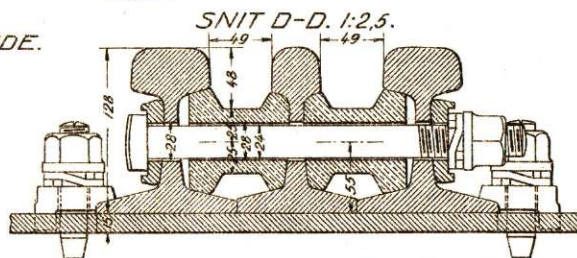
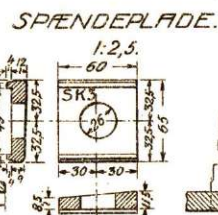
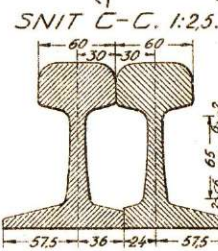
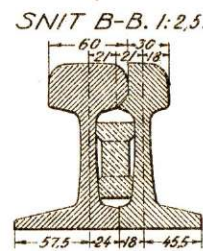
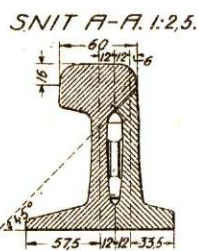
HÅGEBOLT.  
1:2,5.

MATERIALFORTEGNELSE.

| Krydsning 1:11       | Stk. à kg. | Ialt Kg. | Et fuldstændig Sæt Tvangsskinne | Stk. à kg. | Ialt Kg. |
|----------------------|------------|----------|---------------------------------|------------|----------|
| 5068 mm Skinne       | 1          | 180,6    | 3500 mm Tvangsskinne            | 2 100,91   | 201,8    |
| 4623 " "             | 2          | 169,97   | Spændeklodser, IVB 18           | 4          | 6,00     |
| 4571 " "             | 1          | 16,04    | " IVB 19                        | 4          | 6,80     |
| Langplade            | 1          | 149,0    | Tværbolte 24,0 mm               | 16         | 18,6     |
| Særlige Underlagspl. | 5          | 46,6     | Spændeklodser ST.1              | 16         | 0,29     |
| Spændeklodser        | 7          | 72,0     | Særlige Underlagsplader         | 10         | 7,20     |
| Spændeklodser, SK3   | 25         | 0,29     | Klemplader T.                   | 30         | 0,72     |
| " SK1                | 3          | 0,27     | Indskudsplader                  | 30         | 0,29     |
| Tværbolte 24,0 mm    | 14         | 18,4     | Dobb. Spænderinge               | 16         | 0,09     |
| Klemplader alm. S IV | 46         | 0,56     | Ialt:                           |            | 379,8    |
| Hagebolte            | 20         | 0,66     |                                 |            |          |
| Dobb. Spænderinge    | 34         | 0,09     |                                 |            |          |
| Ialt:                |            | 1016,9   |                                 |            |          |

⊙ Svelleskrue SS. Bl. 5012  
⊙ " " V.G. " 5507  
⊕ " " IVB. " 5438

I Spændeklodsernes Overside støbes de paa Tegningen viste Mærker.  
De særlige Underlagsplader og Langpladen mærkes som vist paa Tegningen.

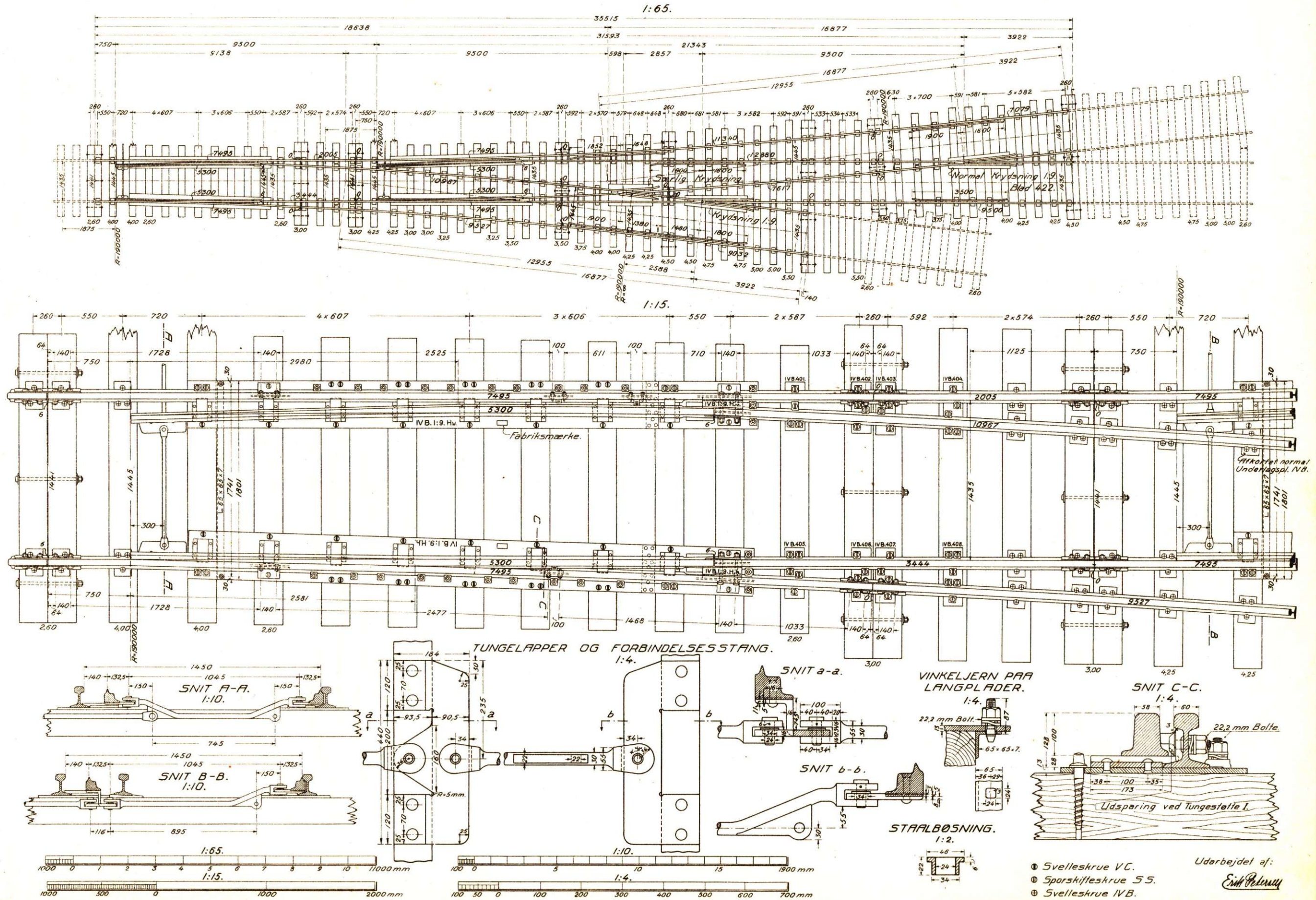


Udarbejdet af:  
Erik Pedersen



# FORSÆTTE SPORSKIFTER 1:9.

Detaller til denne Plan findes paa Blad Nr. 419, 420, 421, 422, 453, 454 og 455.



Udarbejdet af:  
Erik Petersen

- ⊕ Svelleskrue VC.
- ⊕ Sporskifteskrue 5.5.
- ⊕ Svelleskrue IVB.

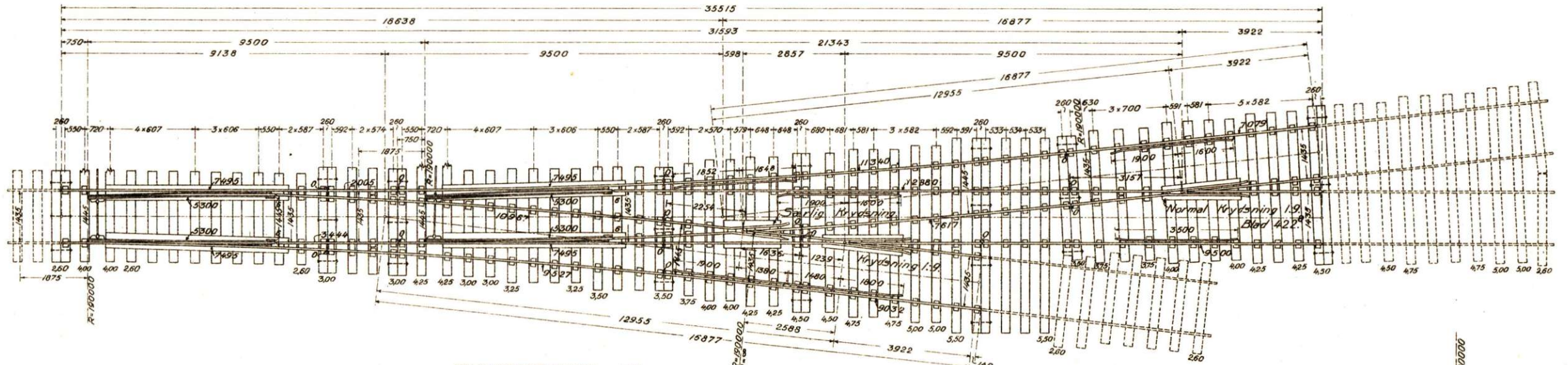


# FORSATTE SPORSKIFTER 1:9.

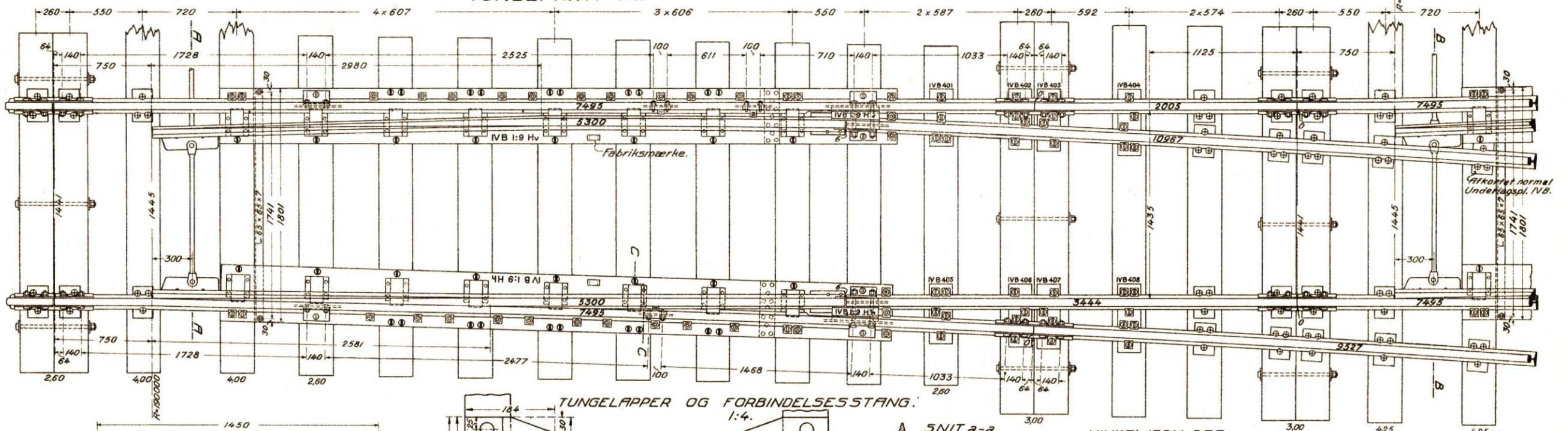
OVERBYGNING IV B.

Detaller til denne Plan findes paa Blad Nr. 419, 420, 421, 422, 453, 454 og 455.

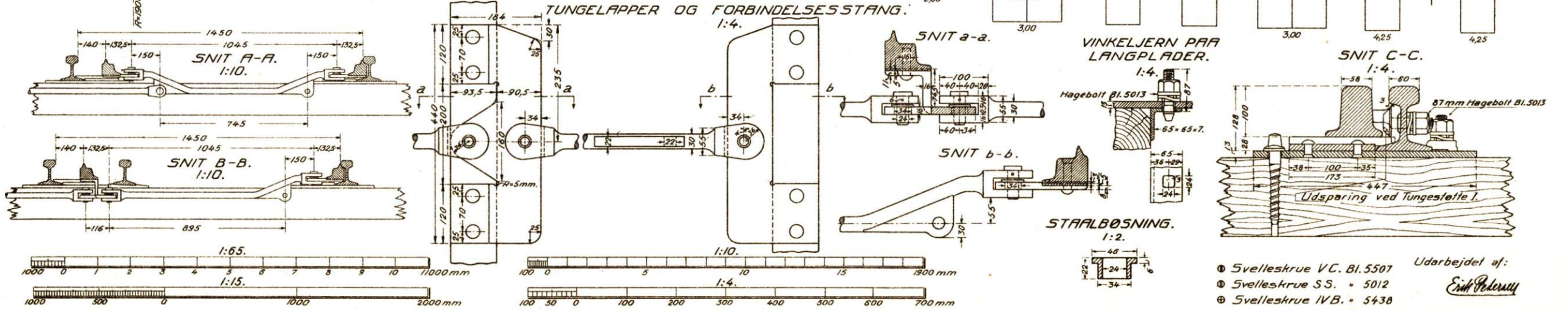
PLAN 1:65.



TUNGEPARTI 1:15.



TUNGELAPPER OG FORBINDELSESTANG.



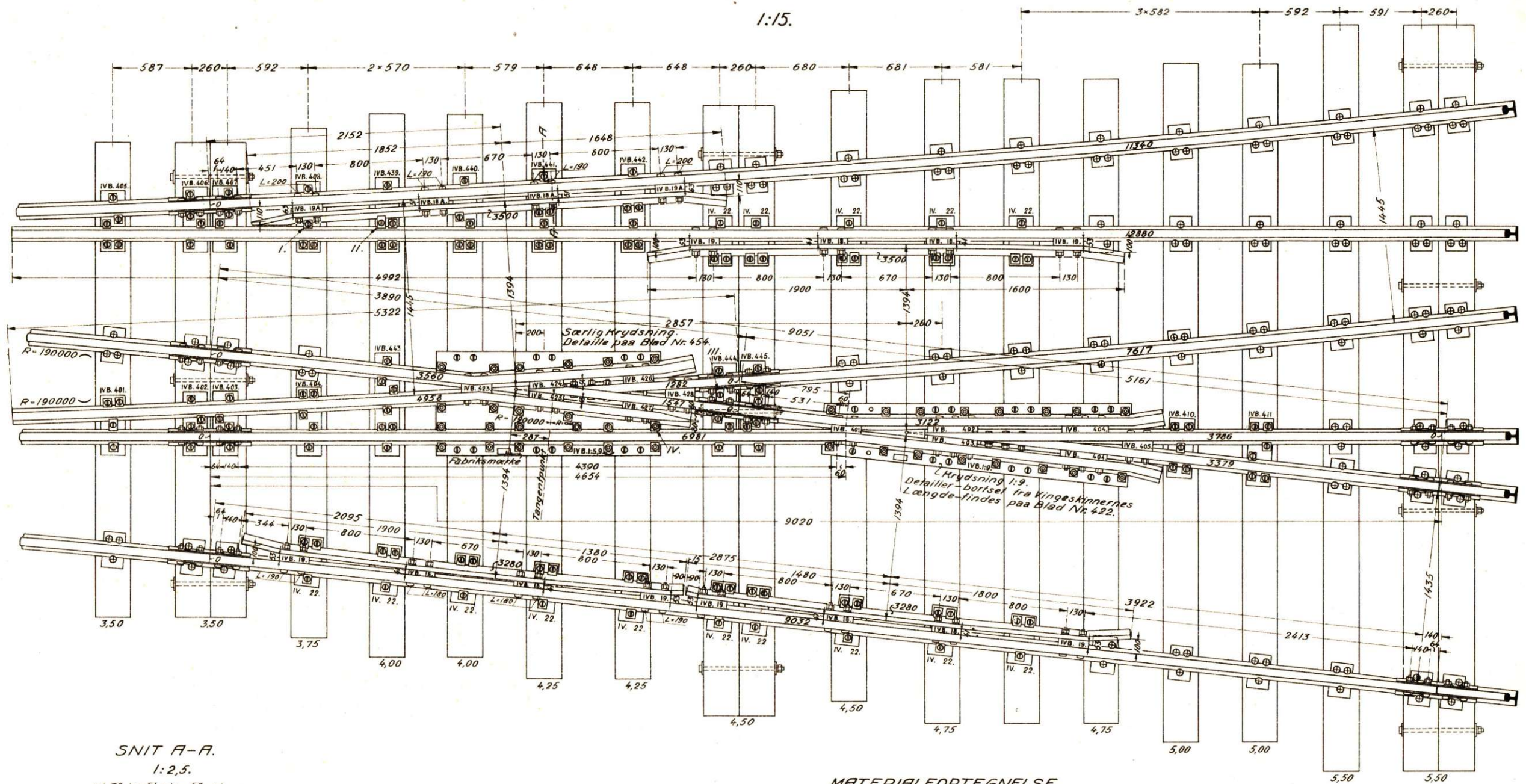
- ① Svelleskrue V.C. Bl. 5507
- ② Svelleskrue S.S. " 5012
- ③ Svelleskrue IVB. " 5438

Udarbejdet af:  
*Erik Petersen*



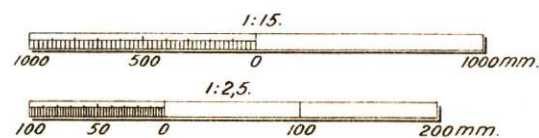
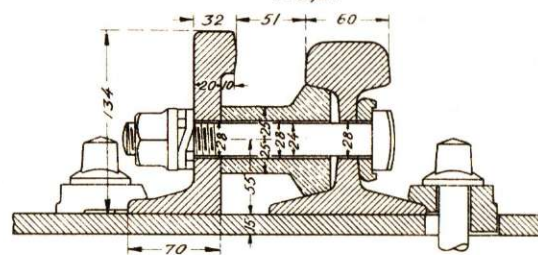
Detaller til denne Plan findes paa Blad Nr. 422, 454 og 455.

1:15.



SNIT A-A.

1:2,5.



MATERIALFORTEGNELSE.

| Særlig Krydsning 1:5,9                  | Stk. | a/kg  | ialt/kg | Krydsning 1:9                                | Stk. | a/kg  | ialt/kg | Særlig Tvangskinne.                               | Stk. | a/kg  | ialt/kg | 2 Stk. afkortede normale Tvangskinner. | Stk. | a/kg  | ialt/kg | Normal Tvangskinne.                   | Stk. | a/kg  | ialt/kg |
|---|------|-------|---------|--|------|-------|---------|---|------|-------|---------|--|------|-------|---------|---------------------------------------|------|-------|---------|
| 4958 mm Skinne                          | 1    |       | 180,2   | 6981 mm Skinne                               | 1    |       | 257,0   | 3500 mm Tvangskinne                               | 1    |       | 99,8    | 3280 mm Tvangskinne                    | 2    | 93,75 | 187,5   | 3500 mm Tvangskinne                   | 1    |       | 100,0   |
| 3560 " "                                | 1    |       | 131,2   | 3122 " "                                     | 1    |       | 114,3   | Spændeklodser, 2 Stk. 18 og 2 Stk. 19             | 4    |       | 28,4    | Spændeklodser, 4 Stk. 18 og 4 Stk. 19  | 8    |       | 51,2    | Spændeklodser, 2 Stk. 18 og 2 Stk. 19 | 4    |       | 25,6    |
| 1547 " "                                | 1    |       | 52,6    | 3786 " "                                     | 1    |       | 134,0   | Tværbolte 24 mm                                   | 8    |       | 8,6     | Tværbolte 24 mm                        | 16   |       | 16,4    | Tværbolte 24 mm                       | 8    |       | 8,2     |
| 1282 " "                                | 1    |       | 43,9    | 3379 " "                                     | 1    |       | 117,2   | Dobb. Spænderinge                                 | 8    | 0,092 | 0,7     | Dobb. Spænderinge                      | 16   | 0,092 | 1,5     | Dobb. Spænderinge                     | 8    | 0,092 | 0,7     |
| Langplade                               | 1    |       | 146,1   | Langplade                                    | 1    |       | 131,5   | Spændeplader                                      | 8    | 0,286 | 2,3     | Spændeplader                           | 16   | 0,286 | 4,6     | Spændeplader                          | 8    | 0,286 | 2,3     |
| Særlige Underlagsplader, IVB 443 og 444 | 2    |       | 29,0    | Særlige Underlagsplader, IVB 410, 411 og 445 | 3    |       | 33,0    | Særlige Underlagsplader, IVB 439, 440, 441 og 442 | 4    |       | 48,1    | Underlagsplader IV 22                  | 10   | 7,200 | 72,0    | Underlagsplader IV 22                 | 5    | 7,200 | 36,0    |
| Spændeklodser                           | 7    |       | 53,8    | Spændeklodser                                | 7    |       | 63,4    | Klemlader alm.                                    | 21   | 0,562 | 11,8    | Klemlader over Indskudsplader          | 30   | 0,716 | 21,5    | Klemlader over Indskudsplader         | 15   | 0,716 | 10,7    |
| Spændeplader                            | 22   | 0,268 | 6,3     | Spændeplader                                 | 26   | 0,286 | 7,4     | " særlige log 11                                  | 2    |       | 0,9     | Indskudsplader                         | 30   | 0,287 | 8,6     | Indskudsplader                        | 15   | 0,287 | 4,3     |
| Tværbolte 24 mm                         | 11   |       | 13,0    | Tværbolte 24 mm                              | 13   |       | 16,6    |   |      |       |         | ialt:                                  |      | 363,3 |         | ialt:                                 |      | 187,8 |         |
| Klemlader alm.                          | 32   | 0,562 | 18,0    | Klemlader alm.                               | 32   | 0,562 | 18,0    |   |      |       |         |  |      |       |         |                                       |      |       |         |
| " særlige 11 og IV                      | 2    |       | 1,5     | " særlig                                     | 1    |       | 0,7     |   |      |       |         |  |      |       |         |                                       |      |       |         |
| Hagebolte 22,2 mm                       | 22   | 0,660 | 14,5    | Hagebolte 22,2 mm                            | 16   | 0,660 | 10,6    |   |      |       |         |  |      |       |         |                                       |      |       |         |
| Dobb. Spænderinge                       | 33   | 0,092 | 3,0     | Dobb. Spænderinge                            | 29   | 0,092 | 2,7     |   |      |       |         |  |      |       |         |                                       |      |       |         |
| ialt:                                   |      |       | 693,1   | ialt:  |      |       | 906,4   |   |      |       |         |  |      |       |         |                                       |      |       |         |

Udarbejdet af:

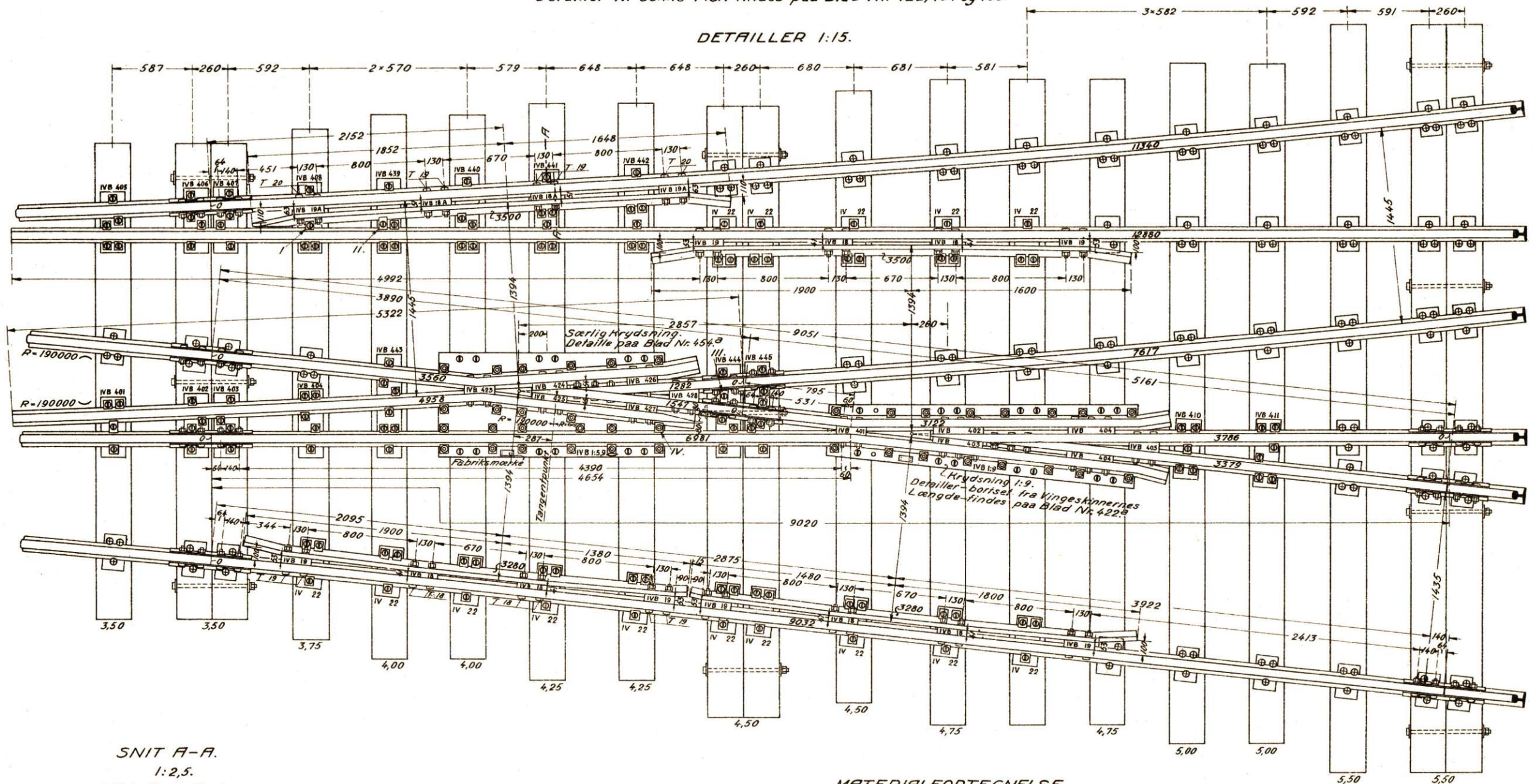
*Erik Pedersen*



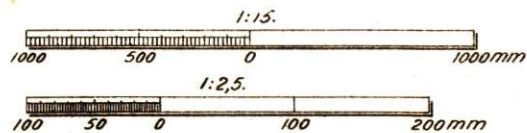
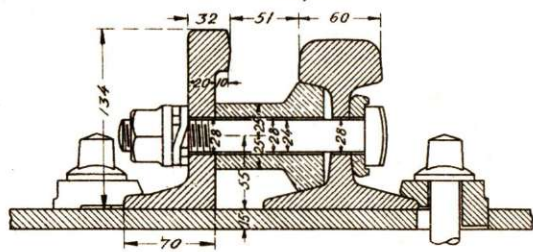
# FORSATTE SPORSKIFTER 1:9. OVERBYGNING IV B.

Detaller til denne Plan findes paa Blad Nr. 422, 454 og 455.

DETAILLER 1:15.



SNIT A-A.  
1:2,5.



MATERIALFORTEGNELSE.

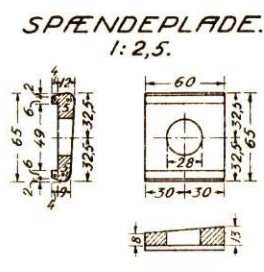
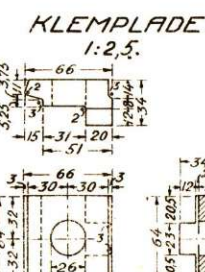
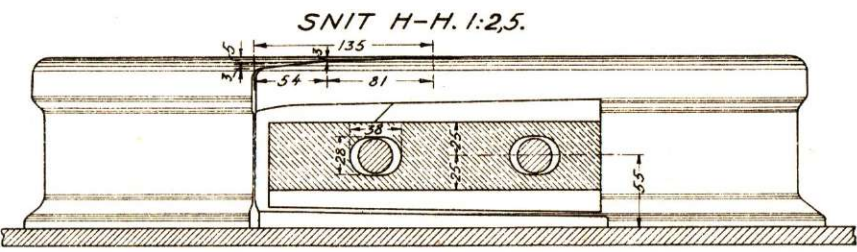
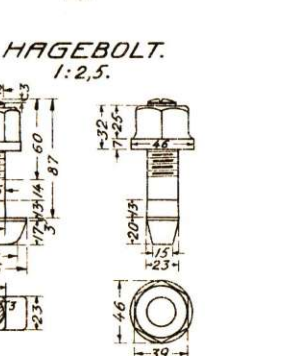
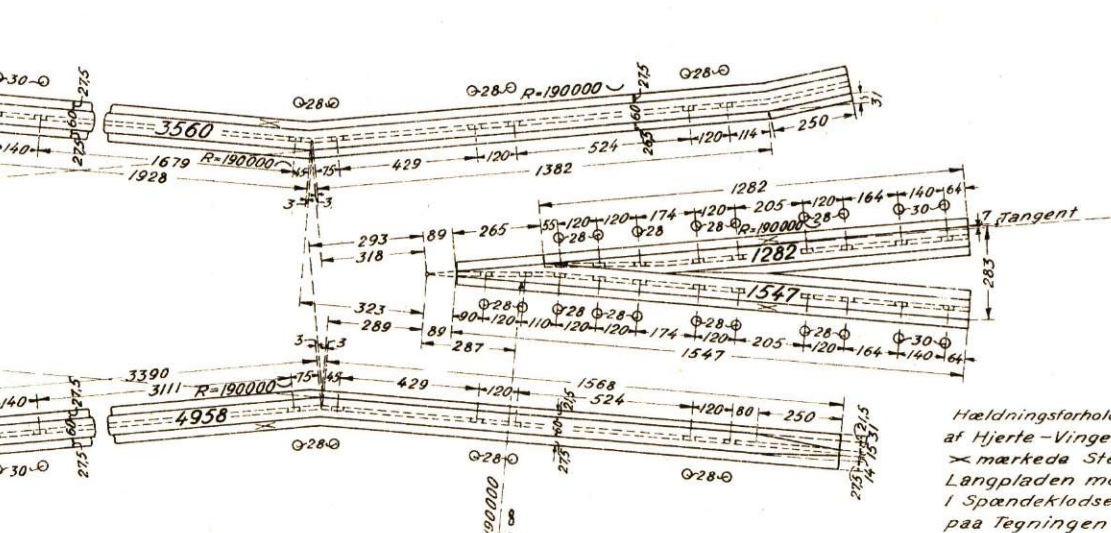
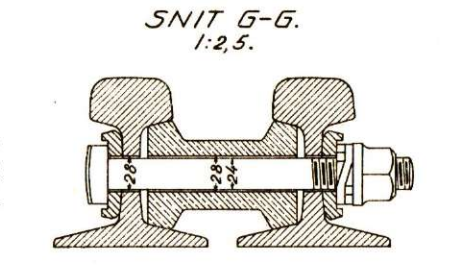
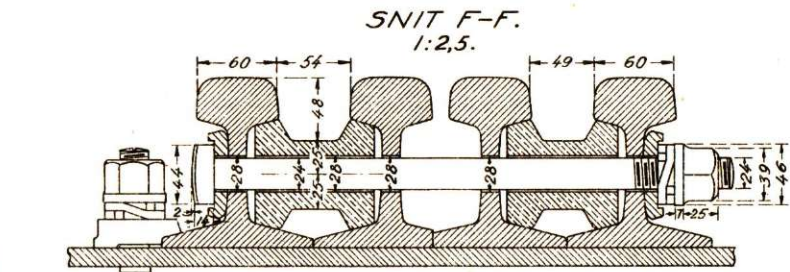
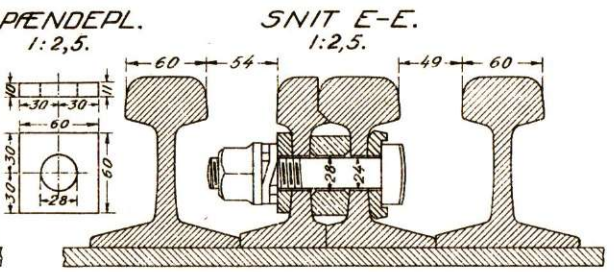
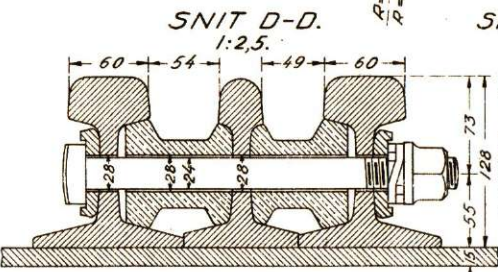
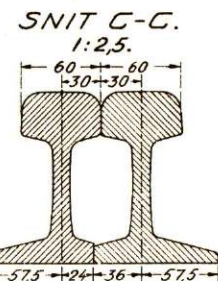
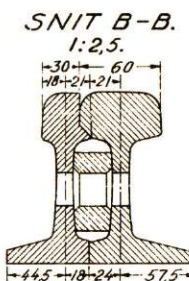
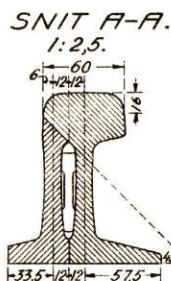
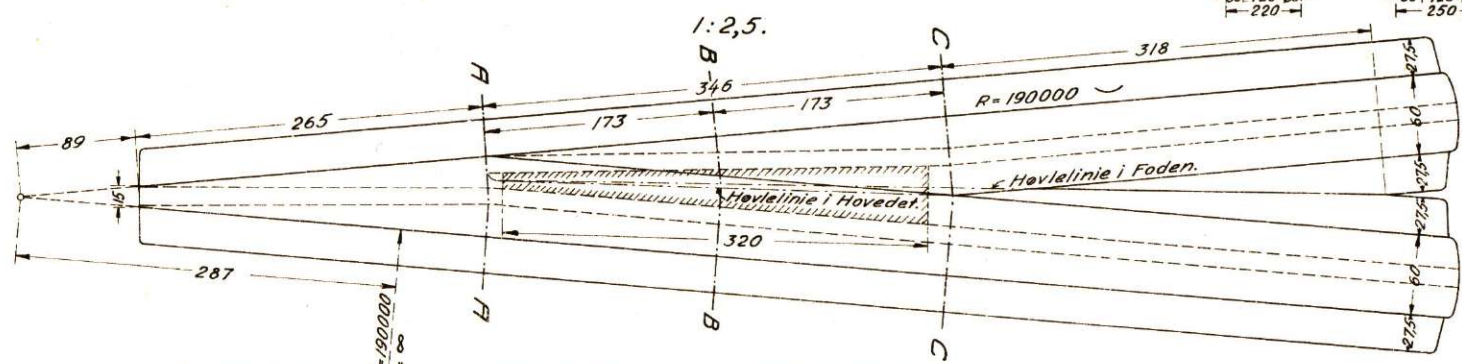
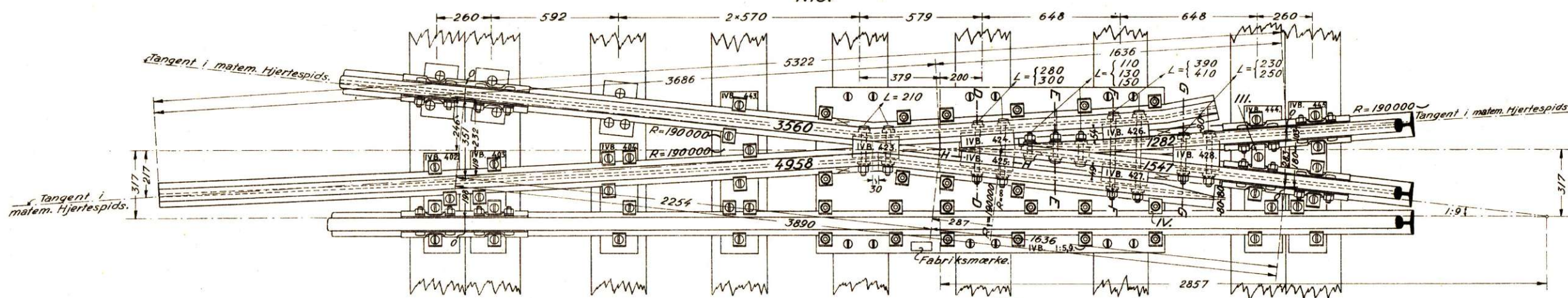
| Særlig Krydsning 1:5,9                  | Stk. | à kg  | laltkg | Krydsning 1:9.                               | Stk. | à kg  | laltkg | Særlig Tvangsskinne.                              | Stk. | à kg  | laltkg | 2 Stk. afkortede normale Tvangsskinne. | Stk. | à kg  | laltkg | Normal Tvangsskinne.                  | Stk.  | à kg  | laltkg |
|---|------|-------|--------|--|------|-------|--------|---|------|-------|--------|--|------|-------|--------|---------------------------------------|-------|-------|--------|
| 4958 mm Skinne                          | 1    |       | 180,2  | 6981 mm Skinne                               | 1    |       | 257,0  | 3500 mm Tvangsskinne                              | 1    |       | 99,8   | 3280 mm Tvangsskinne                   | 2    | 93,75 | 187,5  | 3500 mm Tvangsskinne                  | 1     |       | 100,0  |
| 3560 " "                                | 1    |       | 131,2  | 3122 " "                                     | 1    |       | 114,3  | Spændeklodser, 2 Stk. 18/18 og 2 Stk. 19/19       | 4    |       | 28,4   | Spændeklodser, 4 Stk. 18-4 Stk. 19     | 8    |       | 51,2   | Spændeklodser, 2 Stk. 18 og 2 Stk. 19 | 4     |       | 25,6   |
| 1547 " "                                | 1    |       | 52,6   | 3786 " "                                     | 1    |       | 134,0  | Tværbolte 24 mm                                   | 8    |       | 8,6    | Tværbolte 24 mm                        | 16   |       | 16,4   | Tværbolte 24 mm                       | 8     |       | 8,2    |
| 1282 " "                                | 1    |       | 43,9   | 3379 " "                                     | 1    |       | 117,2  | Dobb. Spænderinge VC                              | 8    | 0,092 | 0,7    | Dobb. Spænderinge VC                   | 16   | 0,092 | 1,5    | Dobb. Spænderinge VC                  | 8     | 0,092 | 0,7    |
| Langplade                               | 1    |       | 146,1  | Langplade                                    | 1    |       | 131,5  | Spændeklodser ST I                                | 8    | 0,286 | 2,3    | Spændeklodser ST I                     | 16   | 0,286 | 4,6    | Spændeklodser ST I                    | 8     | 0,286 | 2,3    |
| Særlige Underlagsplader, IVB 443 og 444 | 2    |       | 29,0   | Særlige Underlagsplader, IVB 410, 411 og 445 | 3    |       | 33,0   | Særlige Underlagsplader, IVB 439, 440, 441 og 442 | 4    |       | 48,1   | Underlagsplader IV 22                  | 10   | 7,200 | 72,0   | Underlagsplader IV 22                 | 5     | 7,200 | 36,0   |
| Spændeklodser                           | 7    |       | 53,8   | Spændeklodser                                | 7    |       | 63,4   | Klemplader SIV                                    | 21   | 0,562 | 11,8   | Klemplader T                           | 30   | 0,716 | 21,5   | Klemplader T                          | 15    | 0,716 | 10,7   |
| Spændeklodser                           | 22   | 0,268 | 6,3    | Spændeklodser                                | 26   | 0,286 | 7,4    | " særlige 10g/1                                   | 2    |       | 0,9    | Indskudsplader                         | 30   | 0,287 | 8,6    | Indskudsplader                        | 15    | 0,287 | 4,3    |
| Tværbolte 24 mm                         | 11   |       | 13,0   | Tværbolte 24 mm                              | 13   |       | 16,6   | lalt:   |      |       | 200,6  | lalt:                                  |      | 363,3 | lalt:  |                                       | 187,8 |       |        |
| Klemplader SIV                          | 32   | 0,562 | 18,0   | Klemplader SIV                               | 32   | 0,562 | 18,0   |   |      |       |        |  |      |       |        |                                       |       |       |        |
| " særlige 10g/1                         | 2    |       | 1,5    | " særlig                                     | 1    |       | 0,7    |   |      |       |        |  |      |       |        |                                       |       |       |        |
| Hagebolte 22,2 mm                       | 22   | 0,660 | 14,5   | Hagebolte 22,2 mm                            | 15   | 0,660 | 10,6   |   |      |       |        |  |      |       |        |                                       |       |       |        |
| Dobb. Spænderinge VC                    | 33   | 0,092 | 3,0    | Dobb. Spænderinge VC                         | 29   | 0,092 | 2,7    |   |      |       |        |  |      |       |        |                                       |       |       |        |
| lalt:                                   |      |       | 693,1  | lalt:  |      |       | 906,4  |   |      |       |        |  |      |       |        |                                       |       |       |        |

Udarbejdet af:

Erik Petersen



FORSATTE SPORSKIFTER 1:9.  
SÆRLIG KRYDSNING.  
1:10.

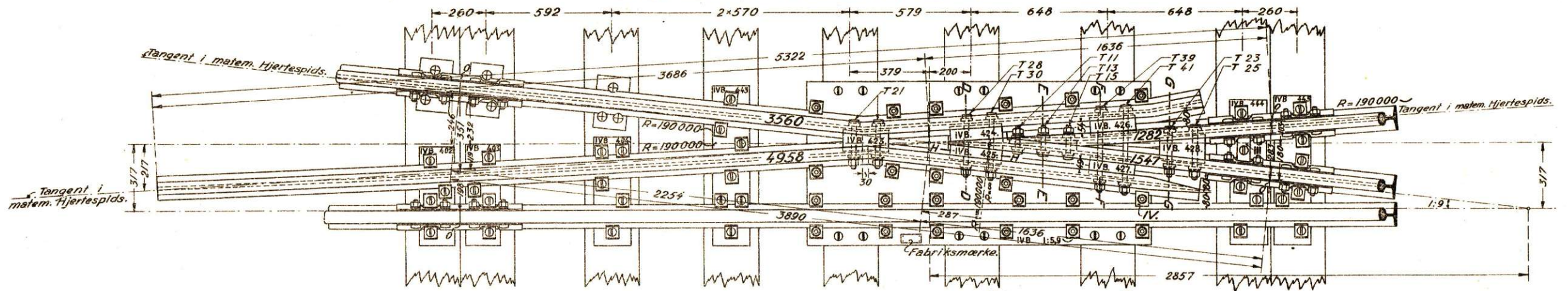


Hælningsforholdets Nævner stemples paa Foden af Hjerte-Vinge-og Tvangskinner paa de med X mærkede Steder. Langpladen mærkes som vist paa Tegningen. I Spændeklodernes Overside støbes de paa Tegningen viste Mærker.

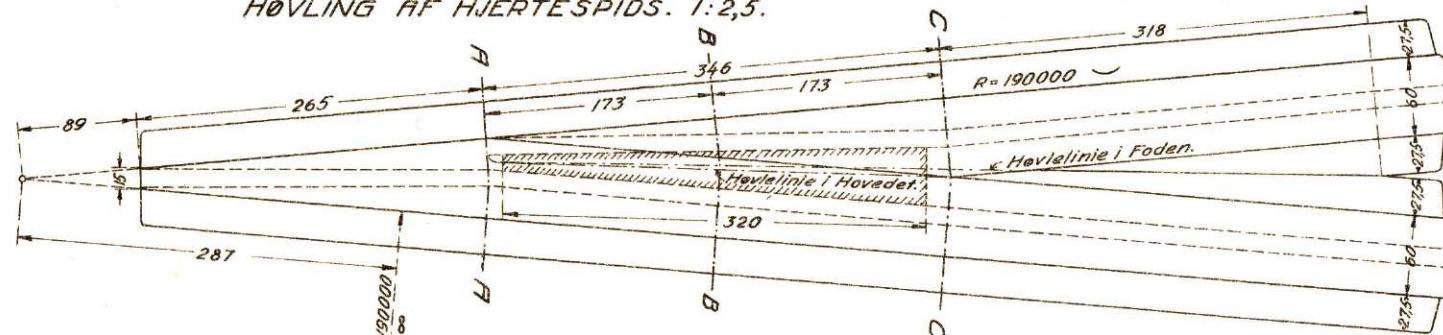
- ⊙ Sporskifteskruer S.S.
- ⊙ Svælleskruer V.C.
- ⊙ " IVB.



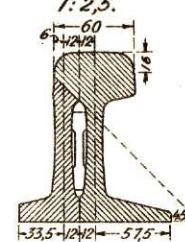
FORSATTE SPORSKIFTER 1:9.  
OVERBYGNING IV B.  
SÆRLIG KRYDSNING 1:10.



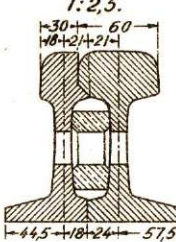
HØVLING AF HJERTESPIDS. 1:2,5.



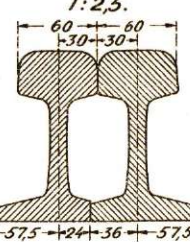
SNIT A-A. 1:2,5.



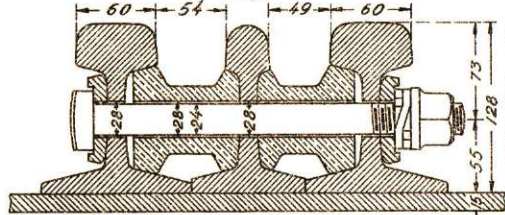
SNIT B-B. 1:2,5.



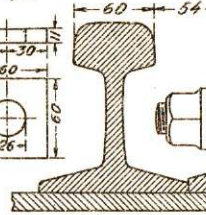
SNIT C-C. 1:2,5.



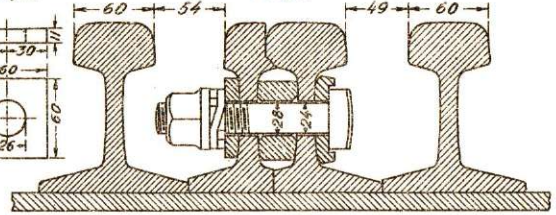
SNIT D-D. 1:2,5.



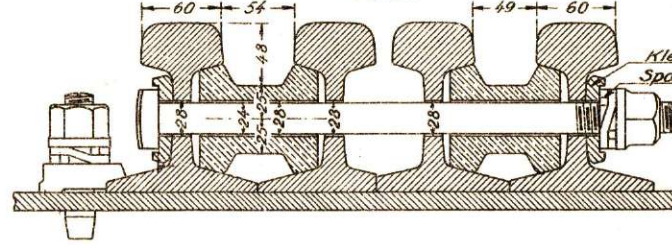
SPENDEPL. 1:2,5.



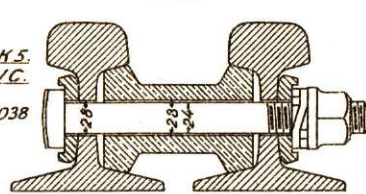
SNIT E-E. 1:2,5.



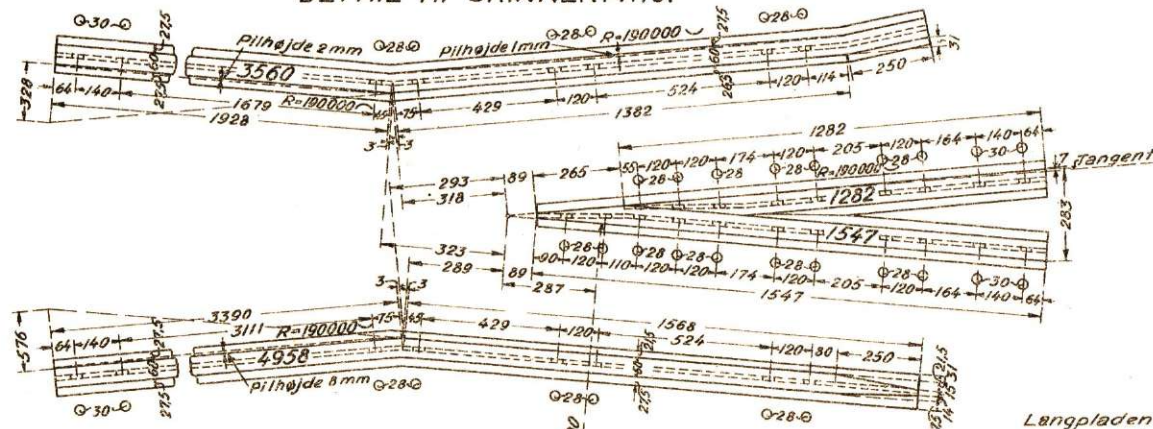
SNIT F-F. 1:2,5.



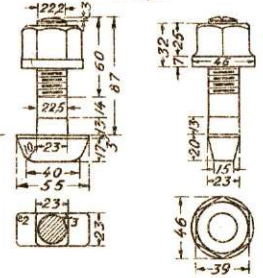
SNIT G-G. 1:2,5.



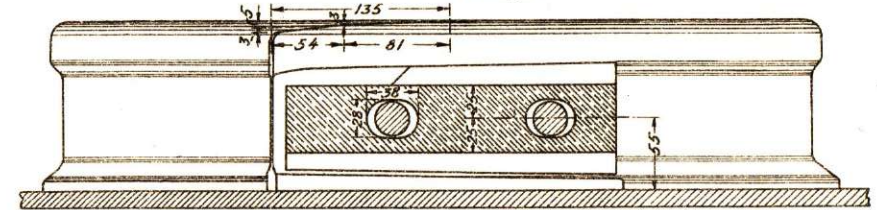
DETAIL AF SKINNER. 1:10.



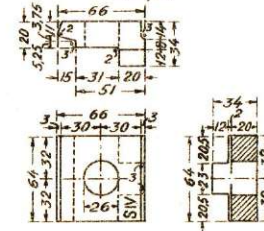
HAGEBOLT. 1:2,5.



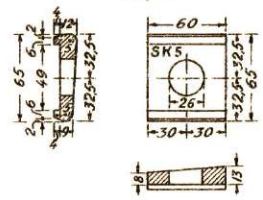
SNIT H-H. 1:2,5.



KLEMLADE. 1:2,5.

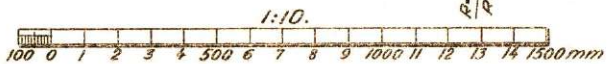


SPENDEPLADE. 1:2,5.



- ⊕ Svelleskrue SS BI. 5012
- ⊙ " VC BI. 5507
- ⊕ " IVB BI 5438

Langpladen mærkes som vist paa Tegningen.  
I Spændeklodsens Overside støbes de  
paa Tegningen viste Mærker.

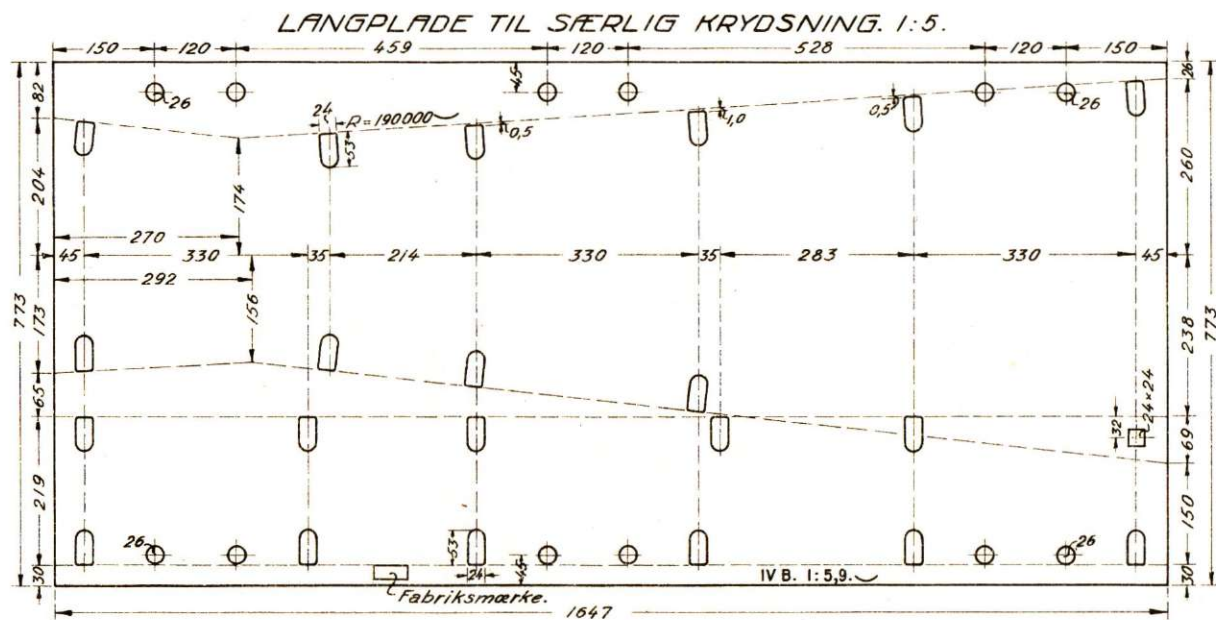
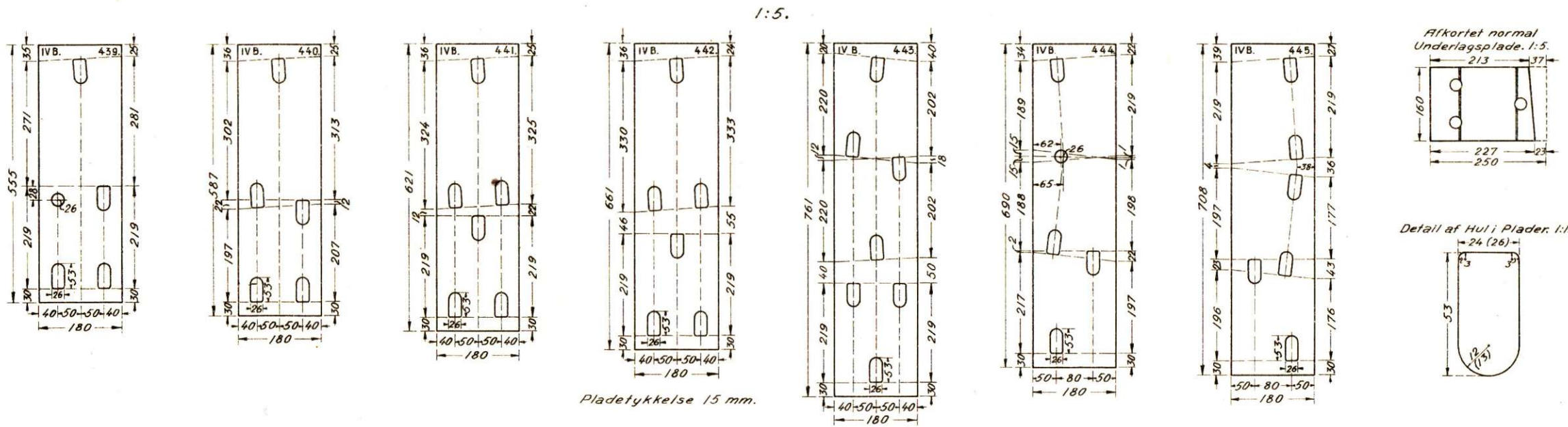


Udarbejdet af:

Erling Pedersen

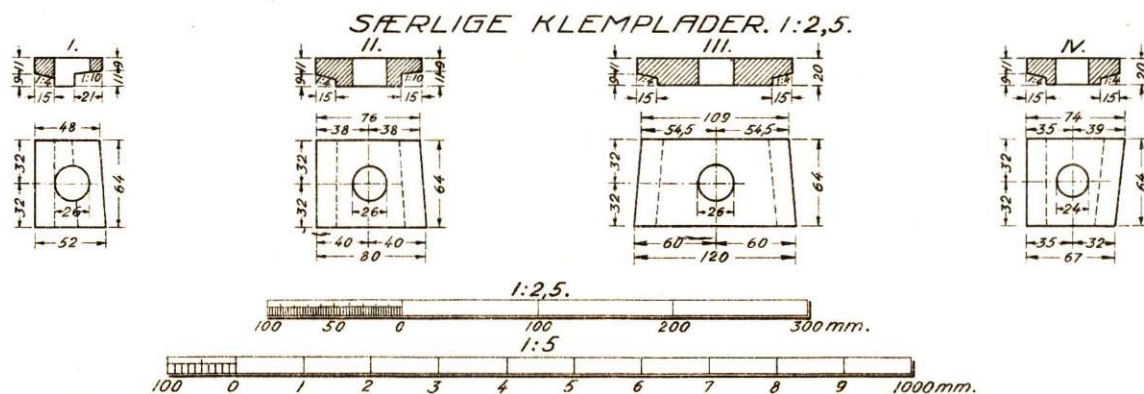


# FORSATTE SPORSKIFTER 1:9. SÆRLIGE UNDERLAGSPLADER.



MATERIALFORTEGNELSE.

| Til forsatte Sporskifter 1:9 hører:              | Stk. | à kg   | Ialt kg |
|--|------|--------|---------|
| Fuldstændige Tungeanordninger (Blad Nr. 418)     | 2    | 1984,3 | 3968,6  |
| Særlig Krydsning 1:5,9 ( " " 454)                | 1    |        | 693,1   |
| Krydsning 1:9 ( " " 453)                         | 1    |        | 906,4   |
| Normal Krydsning 1:9 ( " " 422)                  | 1    |        | 899,3   |
| Særlig Tvængskinne ( " " 453)                    | 1    |        | 200,6   |
| Afkortede normale Tvængskinner ( " " 453)        | 2    |        | 363,3   |
| Normal Tvængskinne ( " " 453)                    | 1    |        | 187,8   |
| Sæt fuldstændige Tvængskinner ( " " 422)         | 1    |        | 355,2   |
| Forbindelsesstænger ved Tungeanordning           | 2    | 15,1   | 30,2    |
| 12880 mm Skinne                                  | 1    |        | 476,3   |
| 11340 " "  | 1    |        | 419,3   |
| 10967 " "  | 1    |        | 405,5   |
| 9032 " "   | 1    |        | 333,9   |
| 9527 " "   | 1    |        | 352,4   |
| 9500 " "   | 1    |        | 351,2   |
| 7617 " "   | 1    |        | 281,5   |
| 7079 " "   | 1    |        | 261,6   |
| 3444 " "   | 1    |        | 127,1   |
| 2005 " "   | 1    |        | 73,9    |
| Normale Underlagsplader (hvoraf 1 Stk. afkortes) | 123  | 5,230  | 643,3   |
| Sporskifteskruer                                 | 234  | 0,620  | 145,1   |
| Svelleskruer VC                                  | 114  | 0,538  | 61,3    |
| " " IVB  | 345  | 0,615  | 212,2   |
| L Lasker IVB                                     | 36   | 10,020 | 360,7   |
| Laskebolte IVB                                   | 72   | 0,871  | 62,7    |
| Dobbelte Spænderinge                             | 72   | 0,092  | 6,6     |
| Ialt:  |      |        | 12179,1 |
| Koblede Sveller 2,60 m                           | 1    |        |         |
| Flm. " 2,60 "                                    | 9    |        |         |
| Koblet Sporskiftetømmer 3,00 "                   | 2    |        |         |
| " " 3,50 "                                       | 2    |        |         |
| " " 4,50 "                                       | 2    |        |         |
| " " 5,50 "                                       | 1    |        |         |
| Flm. " 3,00 "                                    | 4    |        |         |
| " " 3,25 "                                       | 4    |        |         |
| " " 3,50 "                                       | 3    |        |         |
| " " 3,75 "                                       | 4    |        |         |
| " " 4,00 "                                       | 8    |        |         |
| " " 4,25 "                                       | 7    |        |         |
| " " 4,50 "                                       | 1    |        |         |
| " " 4,75 "                                       | 3    |        |         |
| " " 5,00 "                                       | 2    |        |         |
| " " 5,50 "                                       | 4    |        |         |
| " " 4,50 " udenfor                               | 3    |        |         |
| " " 4,75 " Sporskiftet                           | 4    |        |         |
| " " 5,00 "                                       | 2    |        |         |

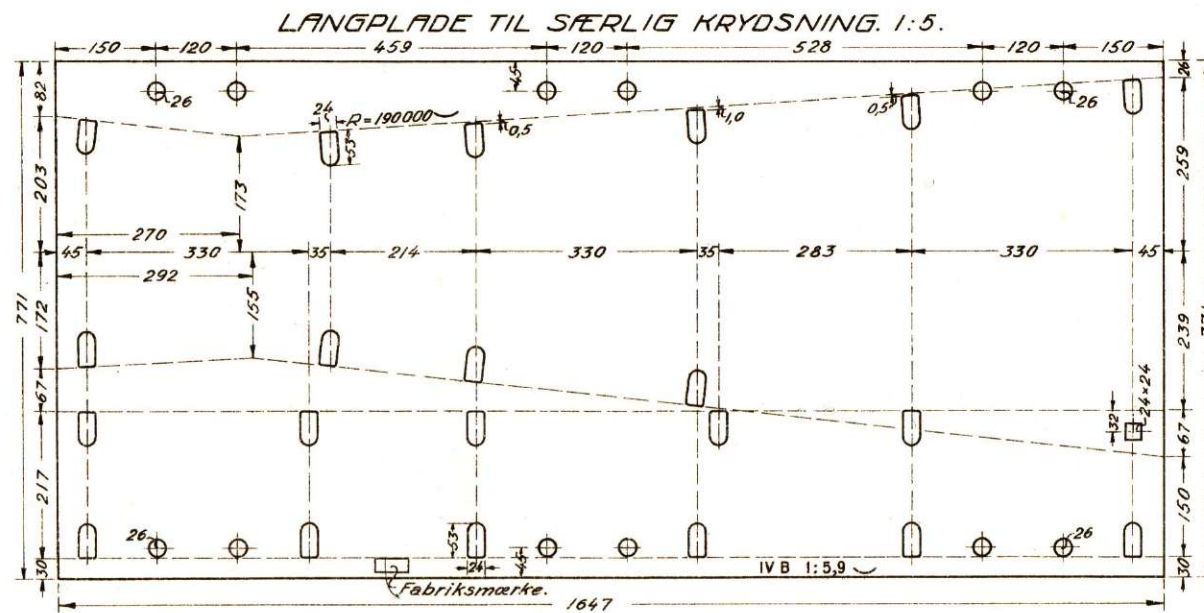
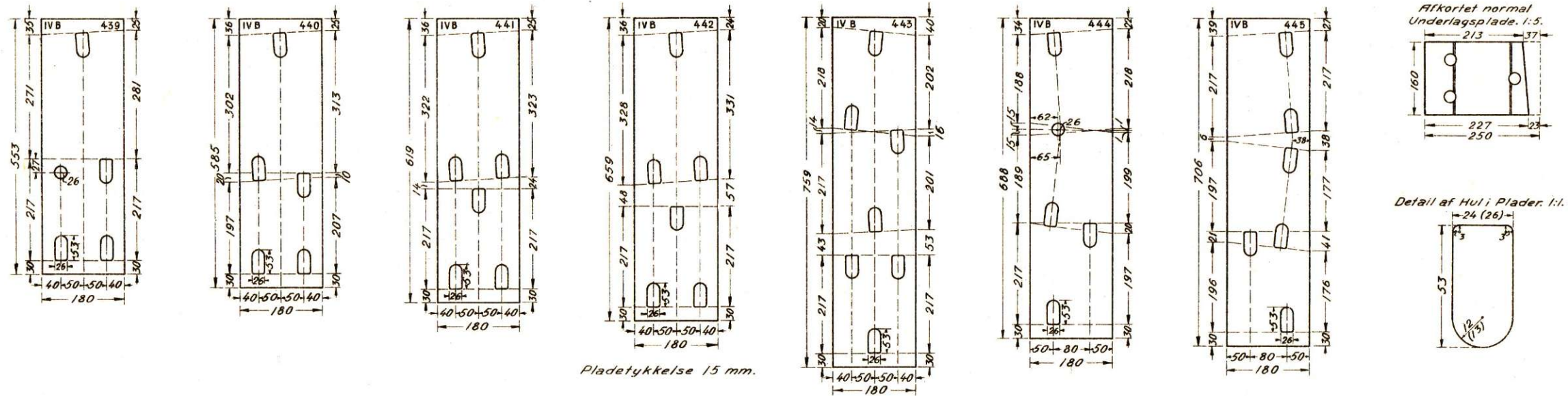




# FORSATTE SPORSKIFTER 1:9.

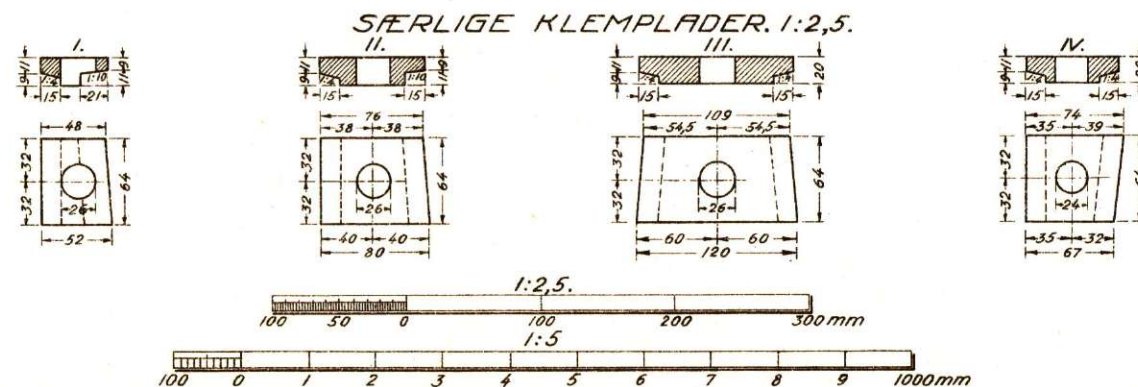
## OVERBYGNING IVB

### SÆRLIGE UNDERLAGSPLADER. 1:5.



#### MATERIALFORTEGNELSE.

| Til forsatte Sporskifter 1:9 hører:                   |                          | Stk. | à kg   | Ialt kg |
|---|--------------------------|------|--------|---------|
| Fuldstændige Tungepartier (Blad Nr 418 <sup>a</sup> ) |                          | 2    | 1984,3 | 3968,6  |
| Særlig Krydsning 1:5,9                                | ( " " 454 <sup>a</sup> ) | 1    |        | 693,1   |
| Krydsning 1:9   | ( " " 453 <sup>a</sup> ) | 1    |        | 906,4   |
| Normal Krydsning 1:9                                  | ( " " 422 <sup>a</sup> ) | 1    |        | 899,3   |
| Særlig Tvangskinne                                    | ( " " 453 <sup>a</sup> ) | 1    |        | 200,6   |
| Afkortede normale Tvangskinner                        | ( " " 453 <sup>a</sup> ) | 2    |        | 363,3   |
| Normal Tvangskinne                                    | ( " " 453 <sup>a</sup> ) | 1    |        | 187,8   |
| Sæt fuldstændige Tvangskinner                         | ( " " 422 <sup>a</sup> ) | 1    |        | 355,2   |
| Forbindelsesstænger ved Tungeparti                    |                          | 2    | 15,1   | 30,2    |
| 12880 mm Skinne                                       |                          | 1    |        | 476,3   |
| 11340 " "   |                          | 1    |        | 419,3   |
| 10967 " "   |                          | 1    |        | 405,5   |
| 9032 " "  |                          | 1    |        | 333,9   |
| 9527 " "  |                          | 1    |        | 352,4   |
| 9500 " "  |                          | 1    |        | 351,2   |
| 7617 " "  |                          | 1    |        | 281,5   |
| 7079 " "  |                          | 1    |        | 261,6   |
| 3444 " "  |                          | 1    |        | 127,1   |
| 2005 " "  |                          | 1    |        | 73,9    |
| Normale Underlagsplader (hvoraf 1 Stk. afkortes)      |                          | 123  | 5,230  | 643,3   |
| Svelleskruer SS                                       |                          | 234  | 0,620  | 145,1   |
| Svelleskruer VC                                       |                          | 114  | 0,538  | 61,3    |
| Svelleskruer IVB                                      |                          | 345  | 0,615  | 212,2   |
| L Lasker IVB  |                          | 56   | 10,020 | 560,7   |
| Laskebolte IVB  |                          | 72   | 0,871  | 62,7    |
| Dobbelt Spænderinge                                   |                          | 72   | 0,092  | 6,6     |
| Ialt:   |                          |      |        | 12179,1 |
| Koblede Sveller 2,60 m                                |                          | 1    |        |         |
| Alm.  | 2,60 "                   | 9    |        |         |
|   | 3,00 "                   | 2    |        |         |
|   | 3,50 "                   | 2    |        |         |
|   | 4,50 "                   | 2    |        |         |
|   | 5,50 "                   | 1    |        |         |
| Alm.  | 3,00 "                   | 4    |        |         |
|   | 3,25 "                   | 4    |        |         |
|   | 3,50 "                   | 3    |        |         |
|   | 3,75 "                   | 4    |        |         |
|   | 4,00 "                   | 8    |        |         |
|   | 4,25 "                   | 7    |        |         |
|   | 4,50 "                   | 1    |        |         |
|   | 4,75 "                   | 3    |        |         |
|   | 5,00 "                   | 2    |        |         |
|   | 5,50 "                   | 4    |        |         |
|   | 4,50 "                   | 3    |        |         |
|   | 4,75 "                   | 4    |        |         |
|   | 5,00 "                   | 2    |        |         |
| udenfor Sporskifterne                                 |                          |      |        |         |

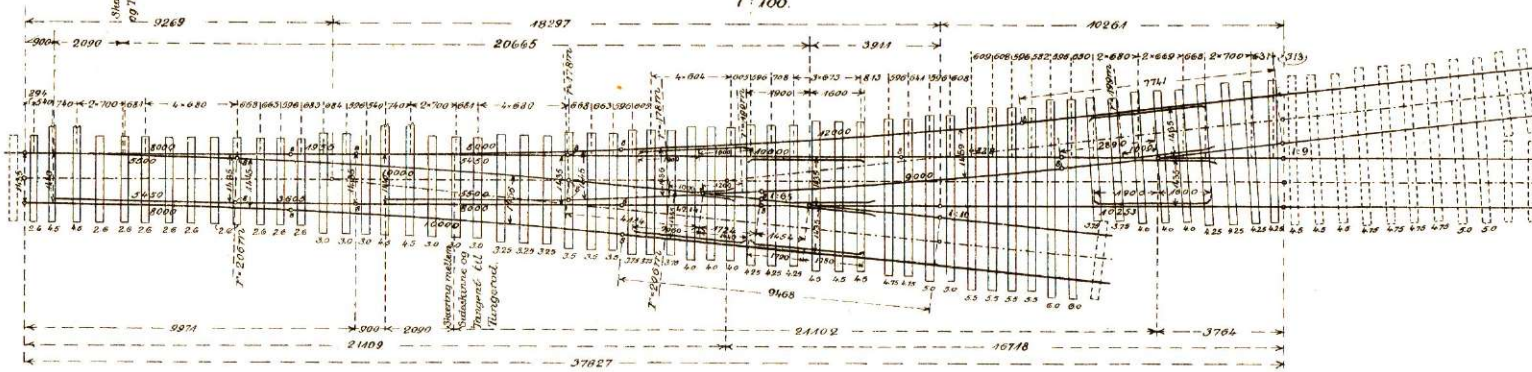




# Forsatte Sporskifter.

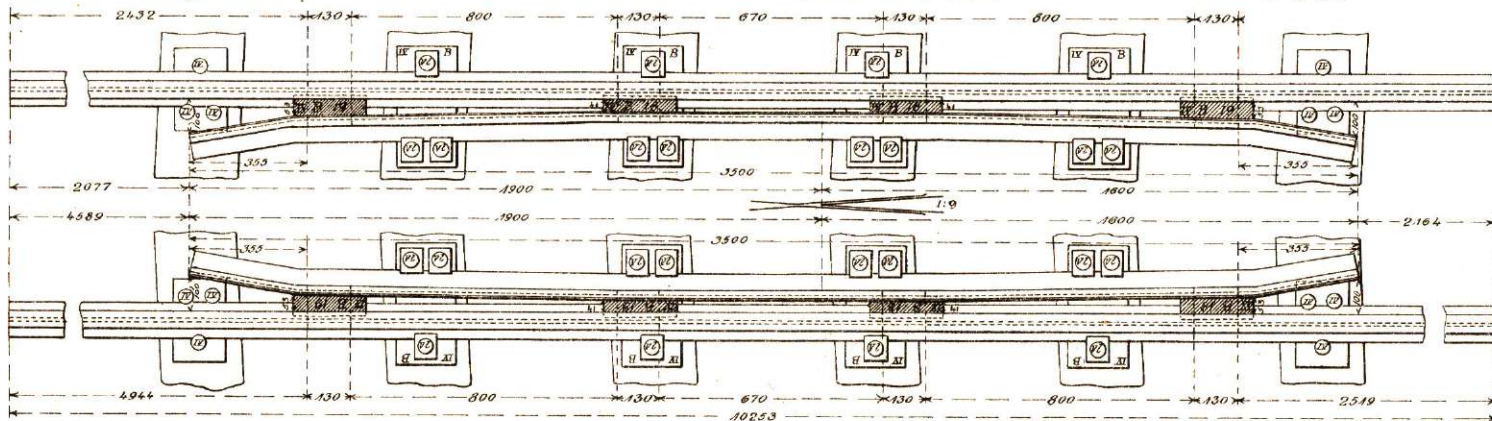
Rad: c. 200 m.

Plan af Sporskifterne.  
1:100.

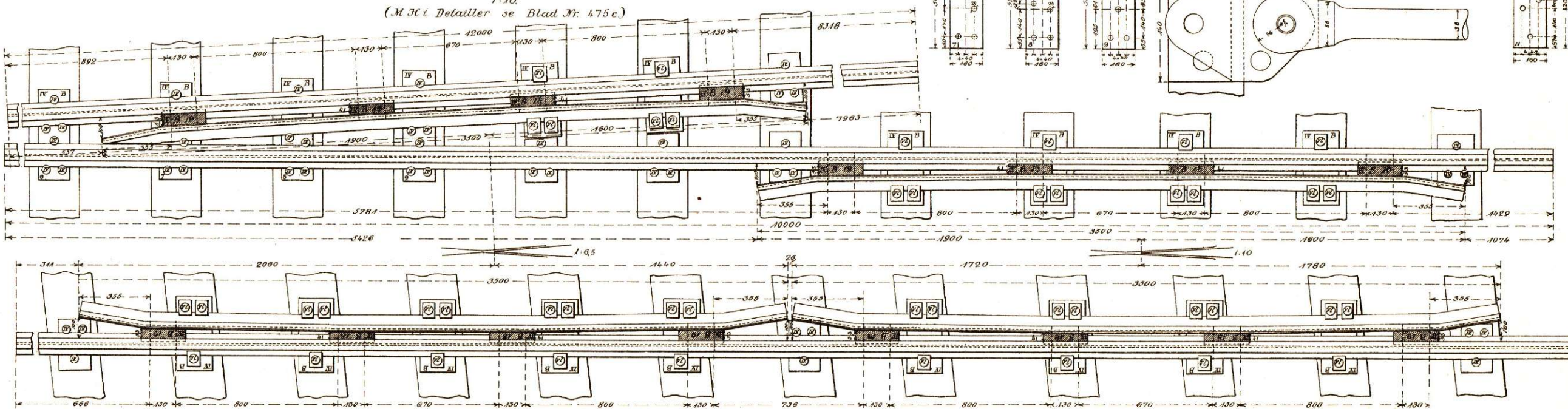


|                      |   |   |   |    |    |    |   |   |   |   |    |
|----------------------|---|---|---|----|----|----|---|---|---|---|----|
| Fladlaskepar         | 1 | 2 | 2 | 1  | 3  | 3  | 1 | 2 | 1 | 2 | 5  |
| Laskerpar            |   |   |   |    |    |    |   |   |   |   |    |
| Laskebolte           | 4 | 8 | 8 | 4  | 12 | 12 | 4 | 8 | 4 | 8 | 12 |
| Underlagsplader      | 2 | 4 | 4 | 2  | 2  | 2  | 2 | 2 | 4 | 4 | 4  |
| Svelleskrue VB       | 6 | 8 | 8 | 12 | 12 | 12 | 6 | 6 | 6 | 6 | 6  |
| Svelleskrue VB korte | 6 | 6 | 6 | 6  | 6  | 6  | 6 | 6 | 6 | 6 | 6  |
| Svelleskrue VB lange |   |   |   |    |    |    |   |   |   |   |    |

*Den ene Plade er en Støtplate (Nr. 23).*



Tvangskinner  
1:10.  
(M. 301. Detailler se Blad Nr. 475 c.)



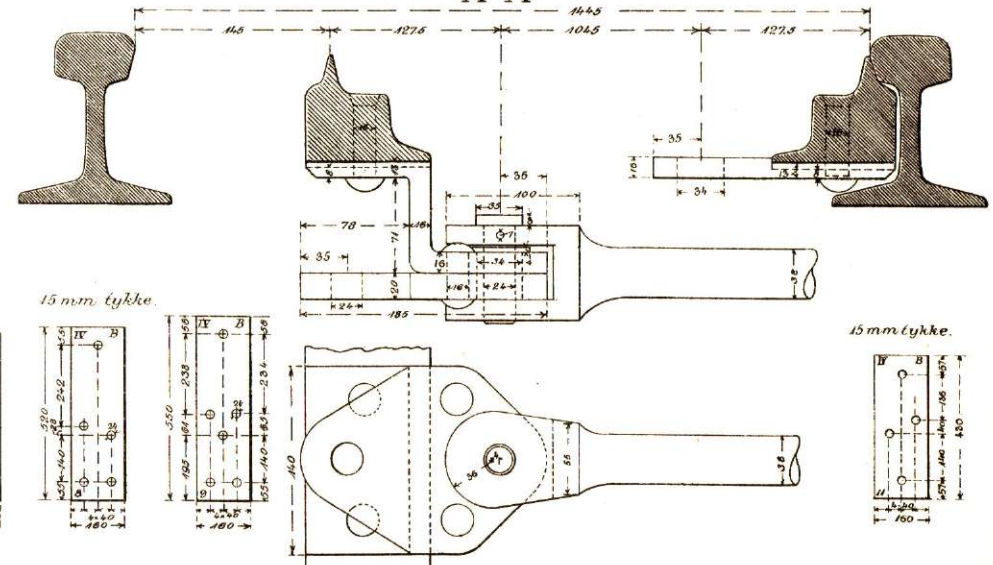
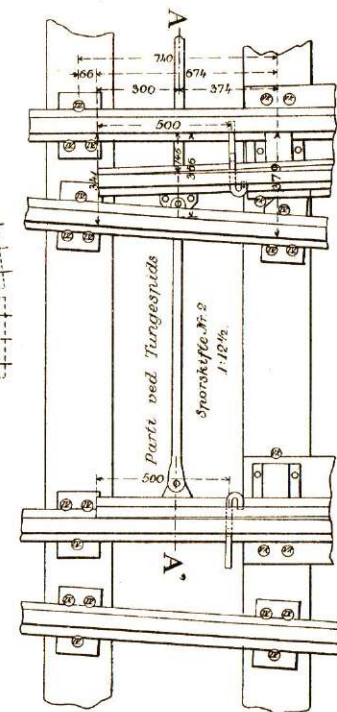
IV Svelleskrue IV B    V Svelleskrue VB kort    VI Svelleskrue VB lang

## Overbygning IV B (37 kg). Blad №463.

Materialfortegnelse.

| Sporskiftelømmer      |      |        | Skinner  |        |        |
|-----------------------|------|--------|--|--------|--------|
| Stk.                  | m    | løbm.  | Stk.   | m      | løbm.  |
| 6                     | 500  | 18,00  | 1  | 1,955  | 1,955  |
| 3                     | 325  | 9,75   | 1  | 3,605  | 3,605  |
| 3                     | 350  | 10,50  | 1  | 4,274  | 4,274  |
| 5                     | 375  | 13,75  | 1  | 4,828  | 4,828  |
| 6                     | 400  | 14,00  | 1  | 7,741  | 7,741  |
| 7                     | 425  | 15,75  | 1  | 8,000  | 8,000  |
| 7                     | 450  | 15,75  | 1  | 9,163  | 9,163  |
| 2                     | 500  | 10,00  | 1  | 10,253 | 10,253 |
| 2                     | 500  | 22,00  |  |        |        |
| 2                     | 400  | 12,00  |  |        |        |
| Udenfor Sporskifterne |      |        | Talt 12  |        |        |
| 3                     | 1,50 | 13,50  | [? Behøver ikke at afhæres i de angivne Længder] |        |        |
| 4                     | 4,75 | 19,00  |  |        |        |
| 1                     | 400  | 238,25 |  |        |        |

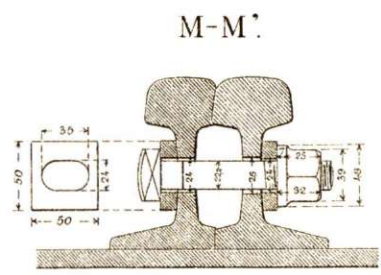
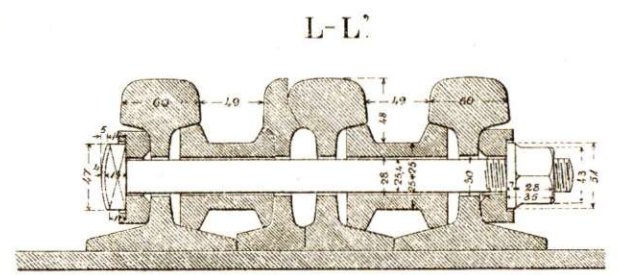
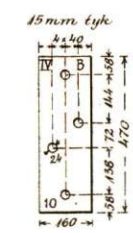
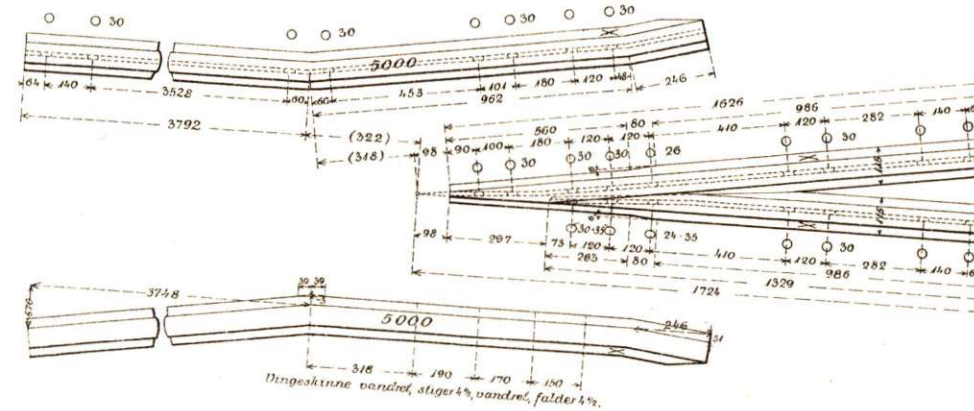
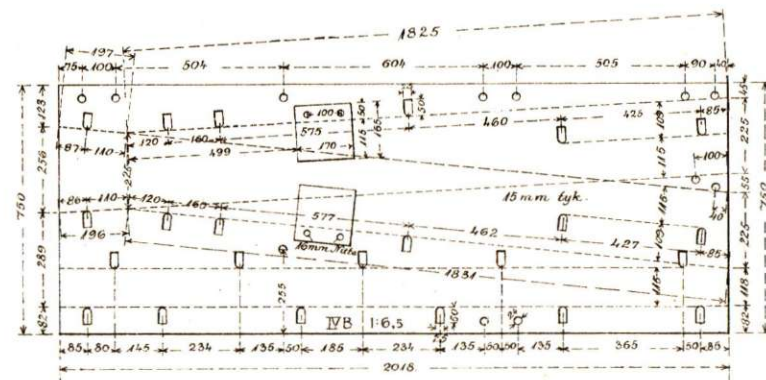
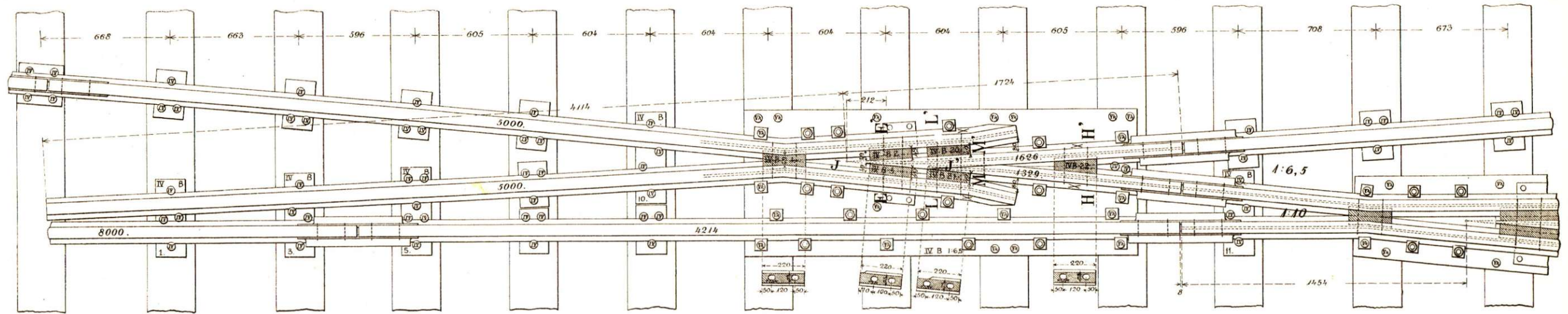
|   |         |                    |     |
|---|---------|--------------------|-----|
| Sveller   | 11 Stk. | Fladlaskepar       | 1   |
| 1 særlig Underlagsplade Nr. 7   |         | Laskerpar          | 20  |
| 1   |         | Laskebolte         | 84  |
| 2 særlige Underlagsplader til Krydning Nr. 11   |         | Underlagsplader    | 122 |
| 1 særlig Krydning Nr. 11  |         | Støtunderlagsplade | 1   |
| 1 fuldstandig Krydning 1:9  |         | Svelleskrue IV B   | 455 |
| 128 m. de særlige Underlagsplader Nr. 4 og 15 (falder bort)   |         | VB korte 152       | 1   |
| 3 fuldstandige sel. Tvangskinner (Den ene Tvangskinner afhøves ved Enden. 2 særlige Underlagsplader Nr. 22 med tilhørende Klempplader og Indskudsplader falder bort.) |         | VB lange 08        | 1   |



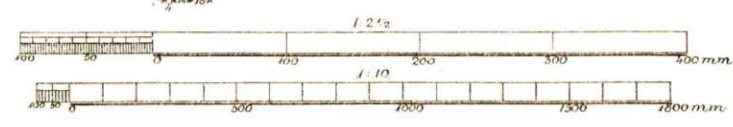


Særlig Skinnekrydsning 1:6,5 til forsatte Sporskifter.

(Med Hensyn til Snit og Detaljer: se ogsaa Blad Nr. 492).



Ⓜ Svælleskrue IV B. Ⓝ Svælleskrue VB kort.  
Hældningsforholdets Nummer stemples paa Foden af Hjerte- og Dingskinnene paa de med >> mærkede Steder. Langpladen og den særlige Underlagsplade stemples som vist paa Tegningen. I Spændeklodsernes Overside støbes de paa Tegningen første Tal.

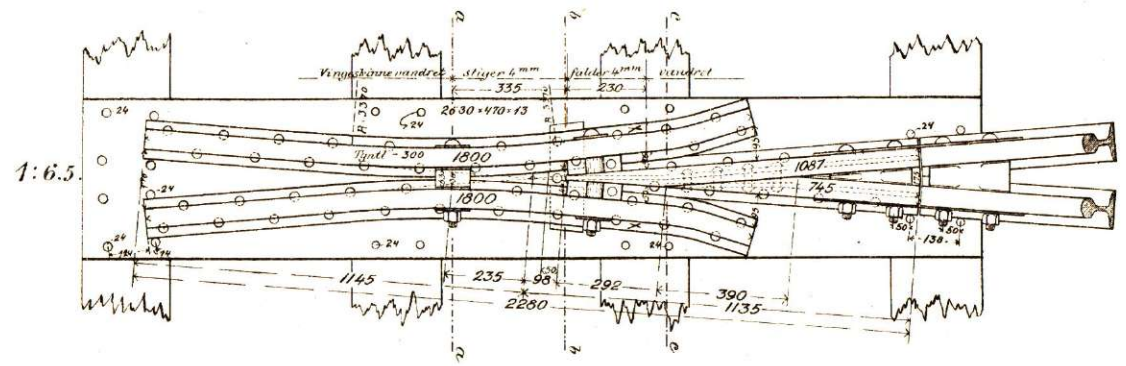


| Materialforlegelse           | Stk. | pr. Stk kg | ialt kg      |
|------------------------------|------|------------|--------------|
| 5000 mm Skinner              | 2    | 185,0      | 370,0        |
| 1626 " " "                   | 1    | 60,2       | 60,2         |
| 1329 " " "                   | 1    | 49,1       | 49,1         |
| Langplade                    | 1    | 178,0      | 178,0        |
| Overhøjningsplader           | 2    | 1,0        | 2,0          |
| Særlig Underlagsplade Nr. 10 | 1    | 8,9        | 8,9          |
| 15 mm Nitler                 | 4    | -          | 0,3          |
| Spændeklodser                | 6    | -          | 45,0         |
| Toærbolte                    | 9    | -          | 13,8         |
| Spændeplader, store          | 16   | 0,4        | 6,4          |
| " " " , smaa                 | 2    | 0,2        | 0,4          |
| Klemplader                   | 23   | 0,5        | 11,5         |
| Klempladebolte               | 13   | 0,5        | 6,5          |
| <b>Ialt:</b>                 |      |            | <b>752,1</b> |

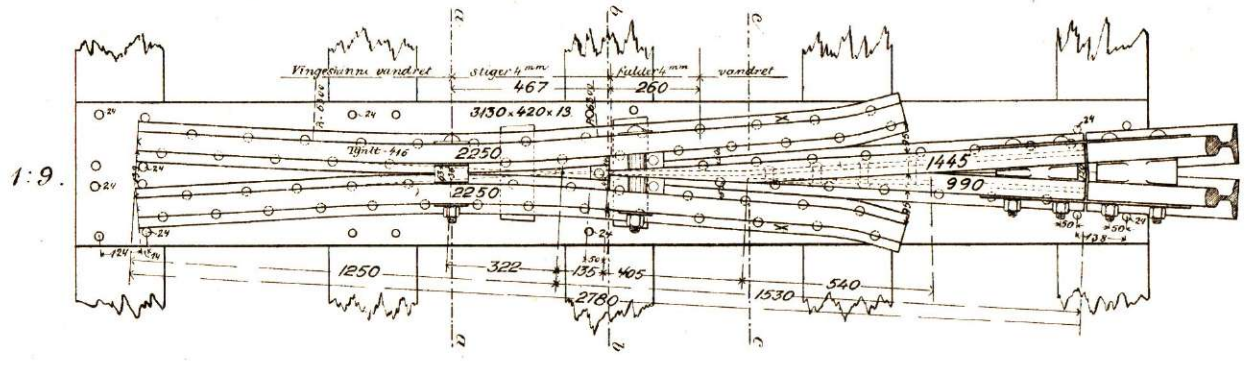


# Skinnetrykninger IV B.

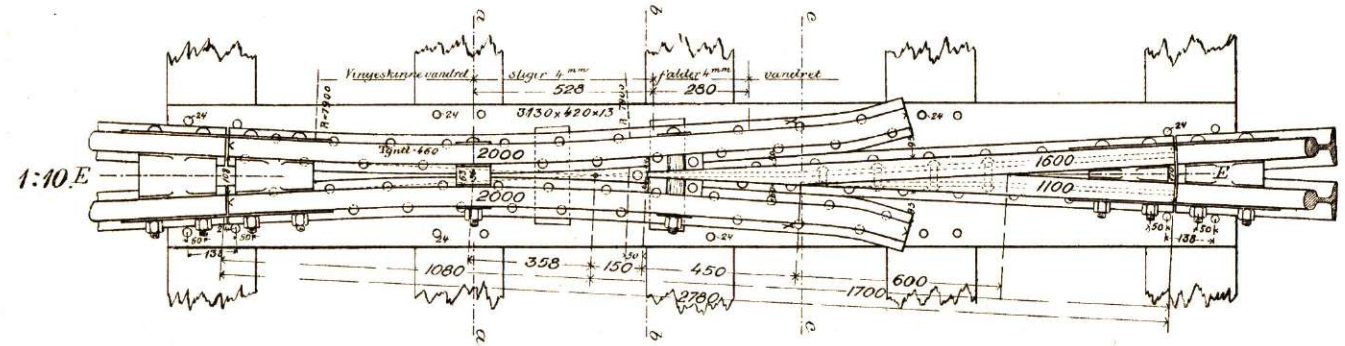
(Hjertespidens lange Skinne legges om muligt i Hovedsporet.)



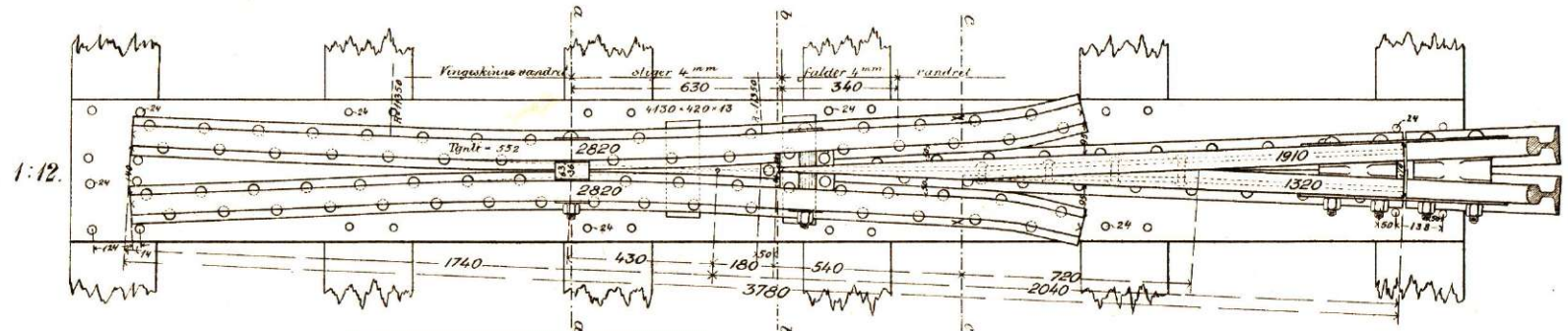
Til 5. Krydsninger behøves 2 Skinner à 9 m og 1 Skinne à 10 m  
nemlig 10 Stk Skinner à 1800 " 2 Stk 9 m Skinner  
5 " " 1087 " 1 " 10 " "  
5 " " 745 " 9160 " 1 " 10 " "



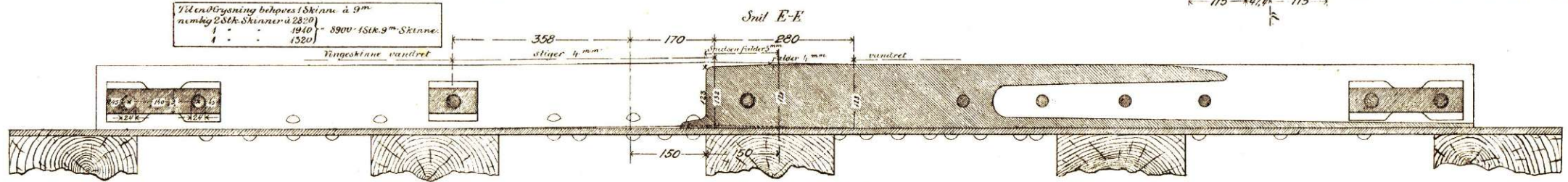
Til 12. Krydsninger behøves 5 Skinner à 9 m og 4 Skinner à 10 m  
nemlig 12 Stk Skinner à 2250 " 5 Stk 9 m Skinner  
12 " " 2250 " 3880 " 4 " 10 " "  
12 " " 990 " " " " " "  
12 " " 1445 " 47340 " 2 " 9 " "



Til 4. Krydsninger behøves 1 Skinne à 8 m og 2 Skinner à 10 m  
nemlig 4 Stk Skinner à 2000 " 1 Stk 8 m Skinne.  
4 " " 1600 " 15500 " 1 " 10 " "  
4 " " 1100 " 1 " 9 " "



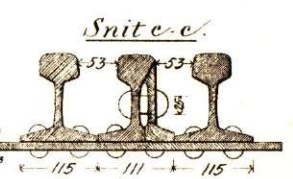
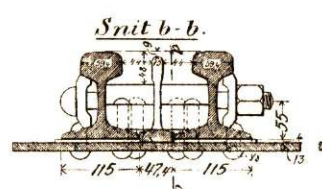
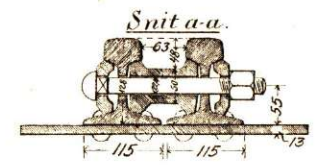
Til endkrydsning behøves 1 Skinne à 9 m og 2 Stk Skinner à 2820 m  
1 " " 1910 " 8900 " 1 Stk 9 m Skinne.  
1 " " 1320 " " " " " "



## Krydsningernes enkelte Dele.

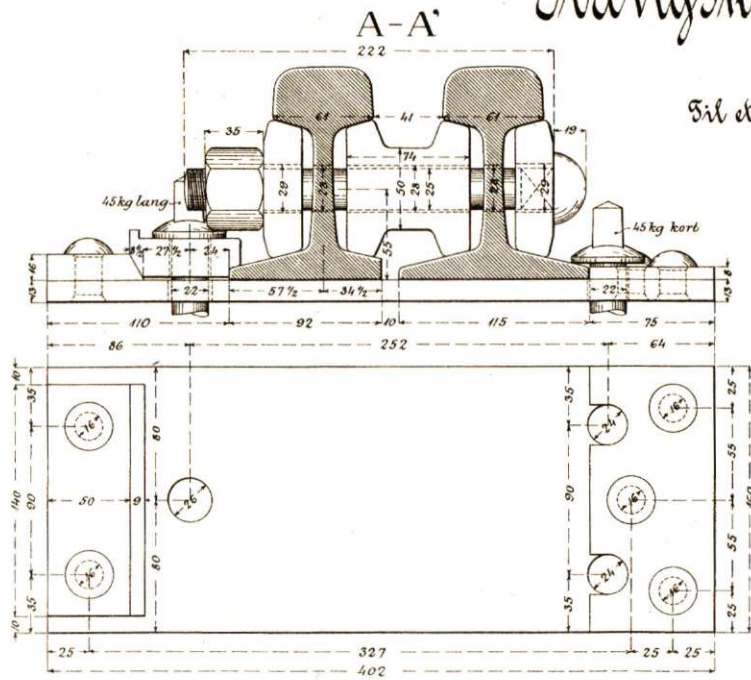
|                     | 1:6.5                          | 1:9                            | 1:10                           | 1:12                           |
|---------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Skinner             | 2 Stk. à 1800 mm 3600 mm       | 2 Stk. à 2250 mm 4500 mm       | 2 Stk. à 2000 mm 4000 mm       | 2 Stk. à 2820 mm 5640 mm       |
| "                   | 1 " " 1087 " "                 | 1 " " 1445 " 1445 "            | 1 " " 1600 " 1600 "            | 1 " " 1320 " 1320 "            |
| "                   | 1 " " 745 " 745 "              | 1 " " 990 " 990 "              | 1 " " 1100 " 1100 "            | 1 " " 1100 " 1100 "            |
| Jalt                | 4 Stk 5432 mm 204,2 kg         | 4 Stk 6935 mm 256,6 kg         | 4 Stk 6700 mm 248,0 kg         | 4 Stk 8870 mm 356,2 kg         |
| Bolte               | 6 " 8,7 "                      | 6 " 8,7 "                      | 10 " 15,0 "                    | 6 " 8,7 "                      |
| Spændeklodser       | 5 " 26,0 "                     | 5 " 24,0 "                     | 7 " 48,0 "                     | 5 " 24,0 "                     |
| Nitter              | 62 " 11,0 "                    | 76 " 13,5 "                    | 10 " 12,0 "                    | 95 " 16,5 "                    |
| Overhængningsplader | 2 " 0,5 "                      | 3 " 1,0 "                      | 3 " 4,0 "                      | 3 " 1,0 "                      |
| Spændplader         | 4 " 6,0 "                      | 4 " 6,0 "                      | 4 " 6,0 "                      | 4 " 6,0 "                      |
| Pladasker           | 6 " 45,8 "                     | 6 " 45,8 "                     | 4 " 30,6 "                     | 6 " 45,6 "                     |
| Lastebolte          | 8 " 6,5 "                      | 8 " 6,5 "                      | 8 " 8 " "                      | 8 " 6,5 "                      |
| Plader              | 1 " 2630 x 470 x 13 mm 124,8 " | 1 " 3130 x 420 x 13 mm 134,2 " | 1 " 3130 x 420 x 13 mm 134,2 " | 1 " 4130 x 420 x 13 mm 179,2 " |

Holdningsforholdets Skræner stemples paa Hjerte- og Vingepod paa de med x markede Steder. I Spændeklodsernes ene Endeflade støbes samme Tal og i den anden Endeflade Tallet 37. Spændeklodserne i Vingeknæet forsynes dog kun med sidstnævnte Tal. Fabriknummeret stemples i Hjertepoden.



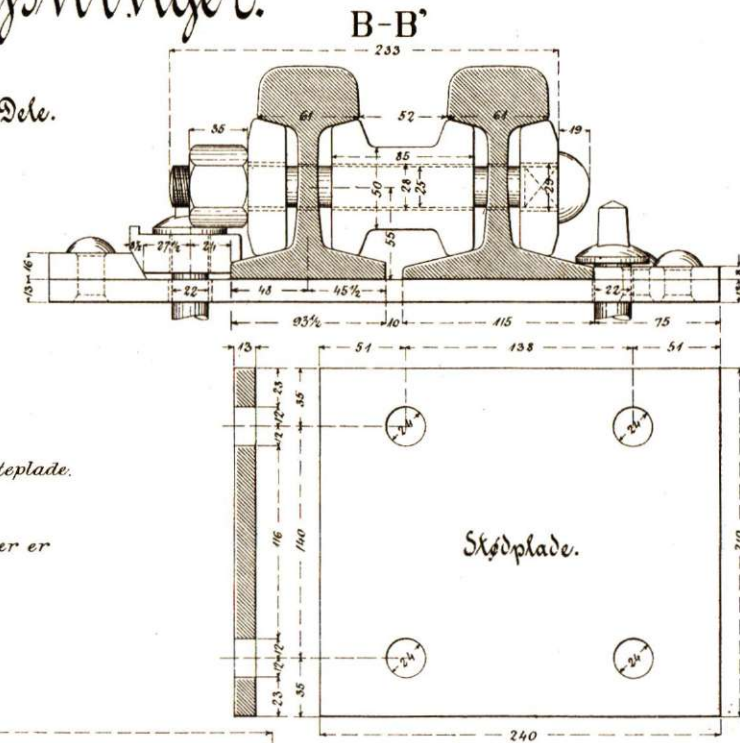


Tvangskinne for Skinnekrydsninger.



Sil et fuldstændigt Sæt Tvangskinner hører følgende Dele.

- 2 Stk Tvangskinner
  - 4 - korte Spændeklodser
  - 4 - lange ---
  - 4 - korte Bolte
  - 4 - lange ---
  - 16 - Spændplader (of Fladlaaker, der leveres af Fabrikanten)
  - 2 - Støtplader 210 · 240 · 13 mm
  - 8 - Underlagsplader med paanittet Støtplate.  
160 · 402 · 13 mm.
- Levering af Klemplader og Svelleskruer er Fabrikanten uvedkommende.  
I Spændeklodserne indstøbes Tallet 37

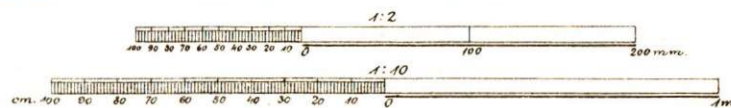
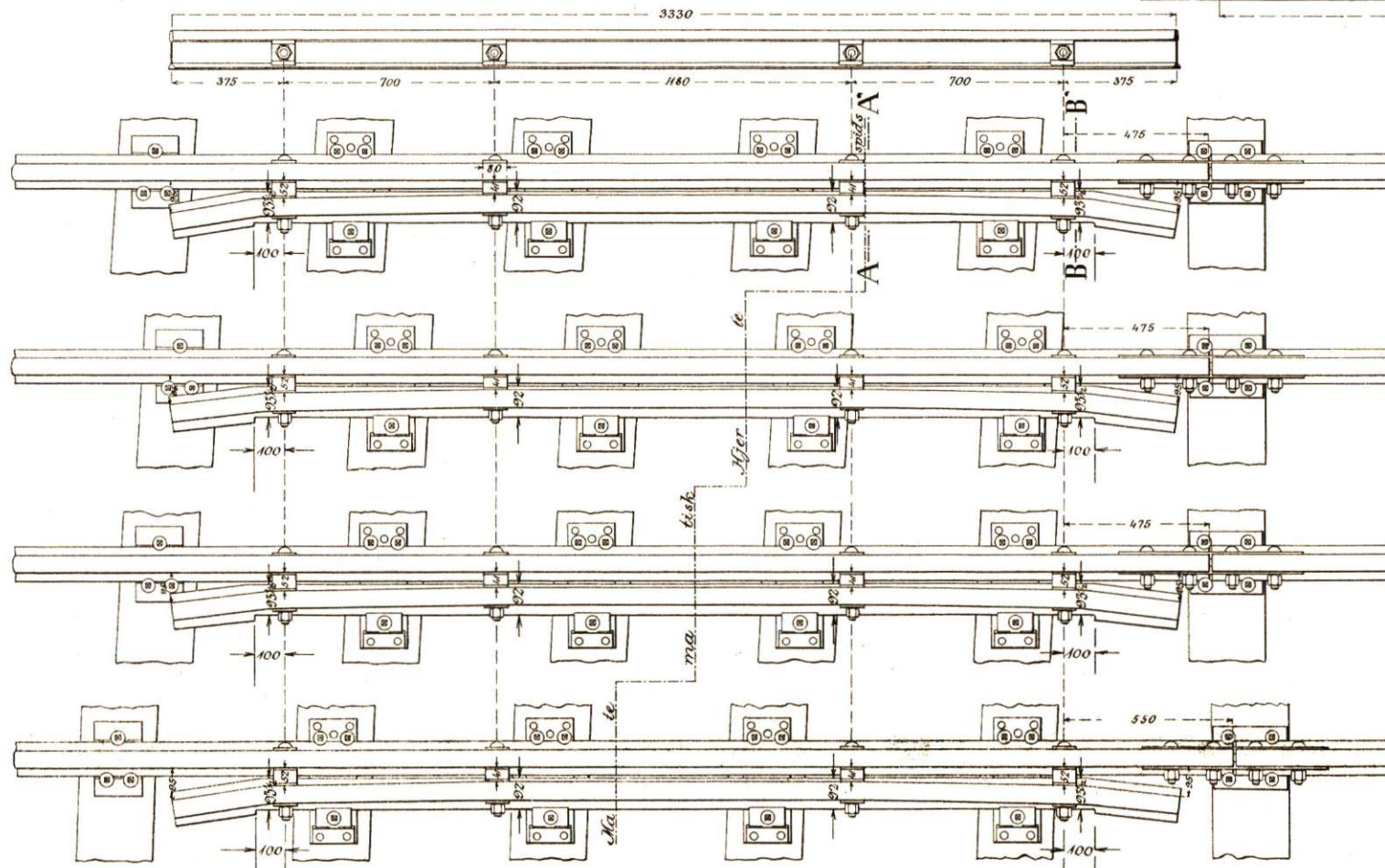


1:6,5

1:9

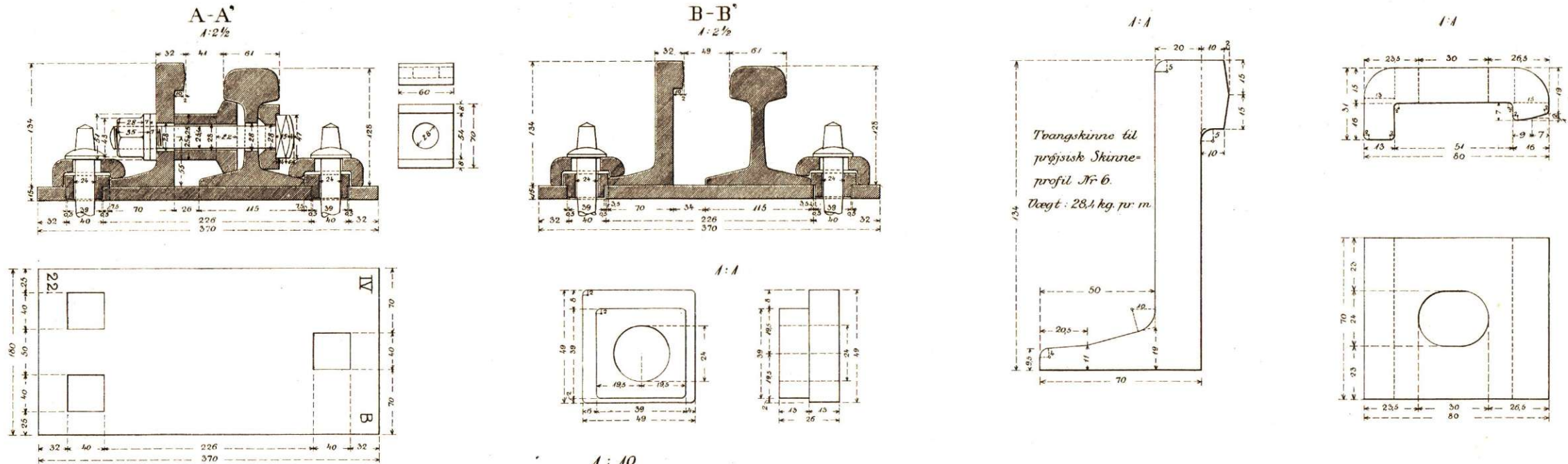
1:10

1:12

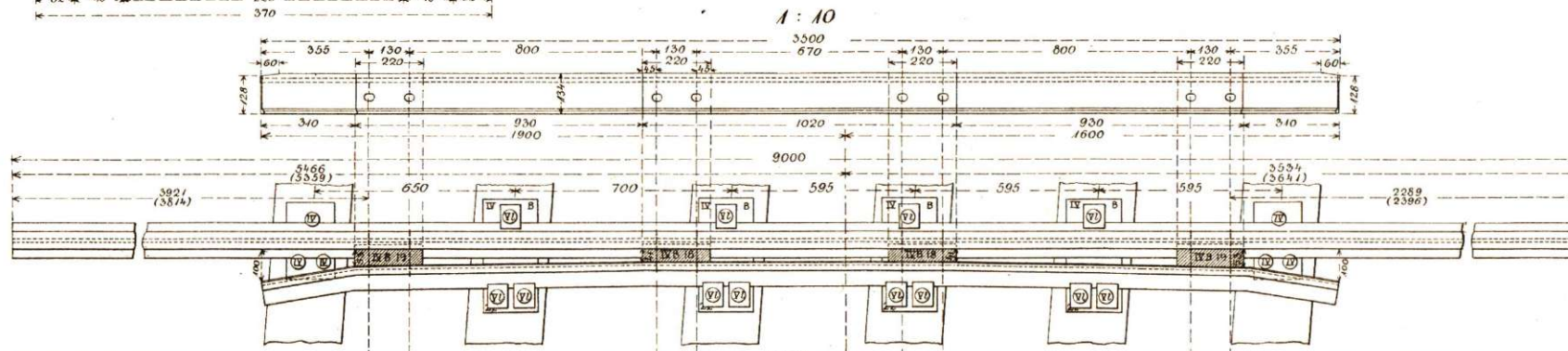




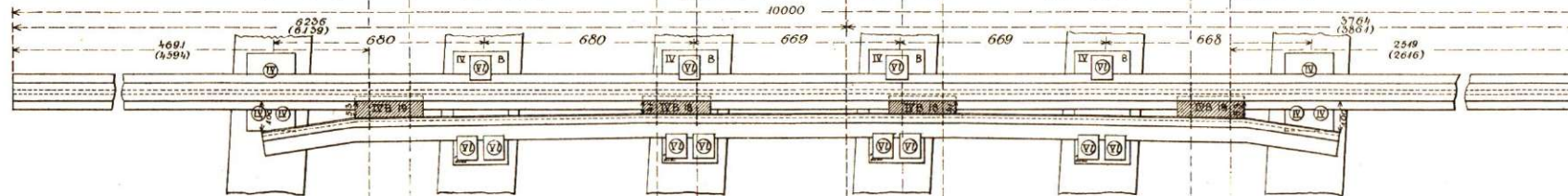
# Tvangskinner for Krydsninger.



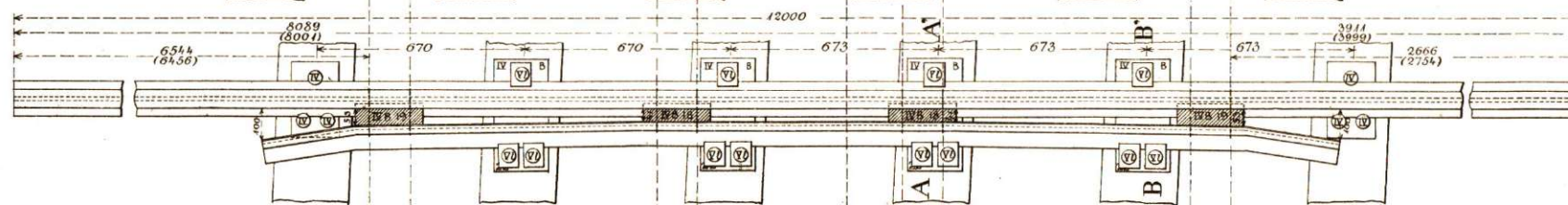
Krydsningsforhold:  
1: 6,5.



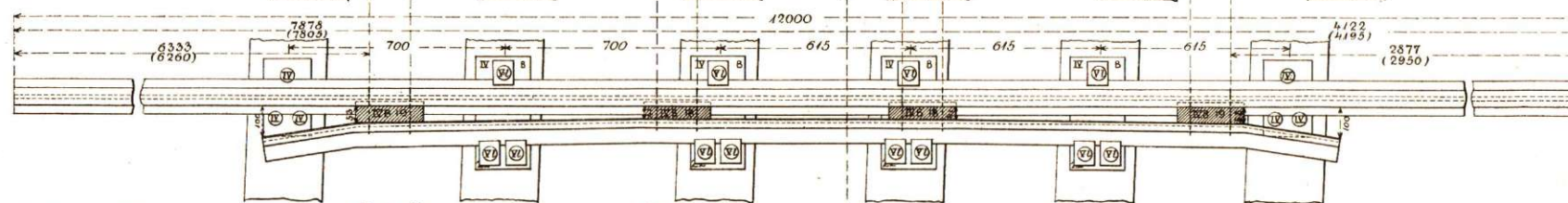
1: 9.



1: 10.



1: 12.



- Ⓜ Soelleskrue IV B
- Ⓜ Soelleskrue VB, tang.

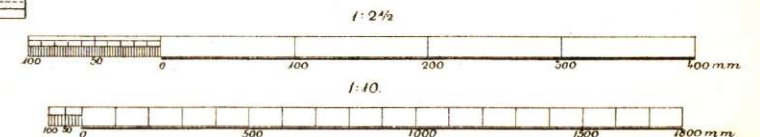
Maalene i Parenthes gælder for Vigesporet,  
de øvrige Maal for Stamsporet.

## Materialfortegnelse.

| Til et fuldstændigt Sæt Tvangskinner hører følgende Dele. | Antal | à kg | ialt kg |
|---|-------|------|---------|
| 3500 mm Tvangskinner.....                                 | 2     | 99,4 | 198,8   |
| Smalle Spændeklodser.....                                 | 4     | 6,0  | 24,0    |
| Brede —————   | 4     | 6,8  | 27,2    |
| Spændeklodsbolte med Underlagshue                         | 16    | 1,3  | 20,8    |
| Spændelader.....  | 16    | 0,4  | 6,4     |
| Særlig Underlagsplade Nr. 22.....                         | 8     | 7,8  | 62,4    |
| Klemplader.....   | 24    | 0,7  | 16,8    |
| Indskudsplader.....                                       | 24    | 0,3  | 7,2     |
| <i>Ialt.</i>  |       |      | 363,6   |

Levering af Soelleskrue og almindelige Underlagsplader er Fabrikanten uuedkommende. Tvangskinnerne leveres ubildnede af Statsbanerne.

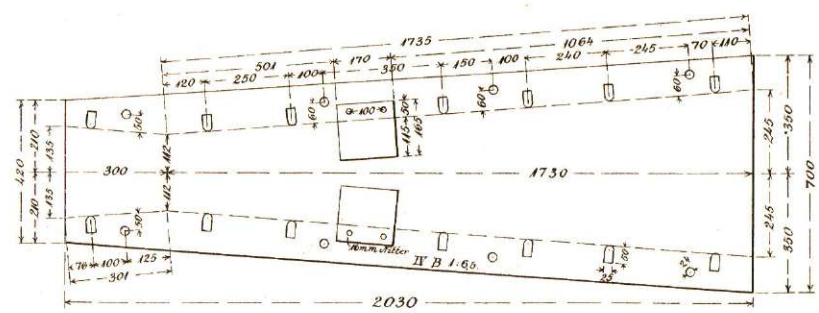
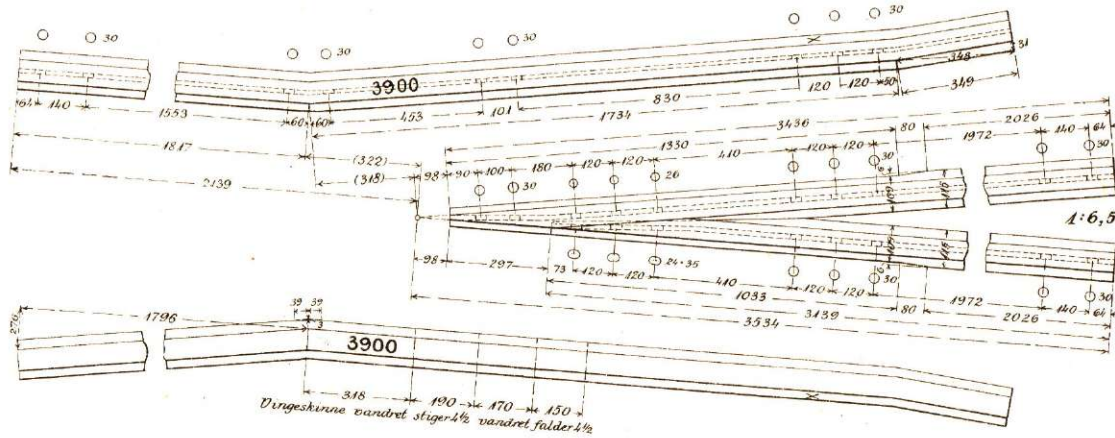
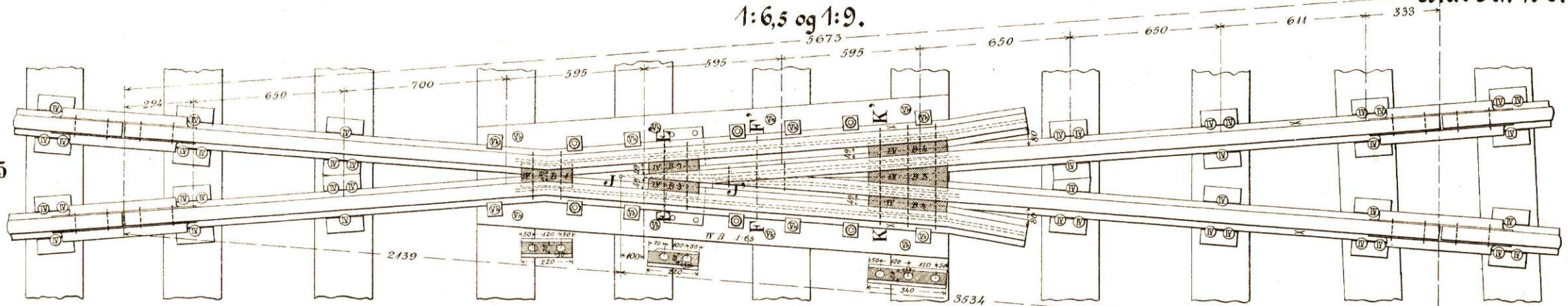
I Spændeklodsernes Overside støbes de paa Tegningen viste Merker. I de særlige Underlagsplader stemples de paa Tegningen viste Merker.



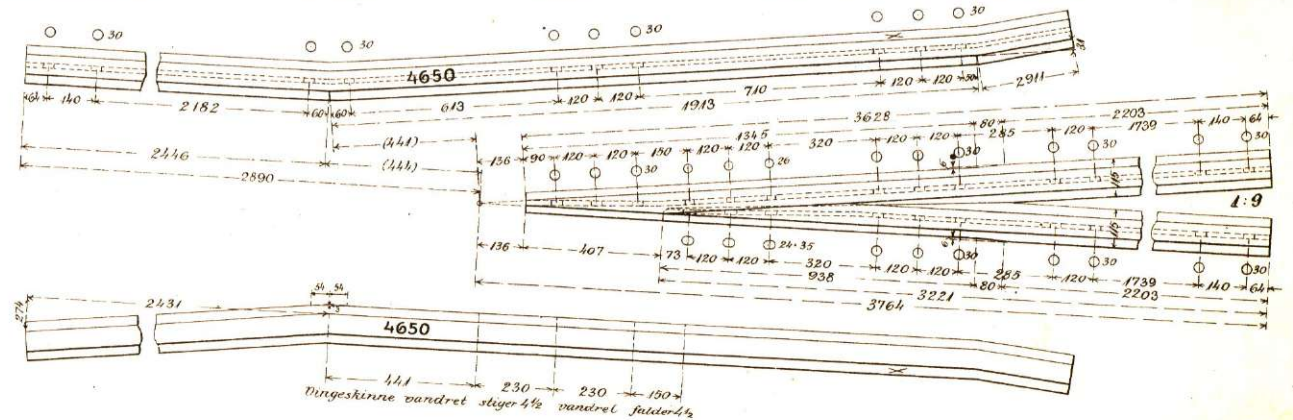
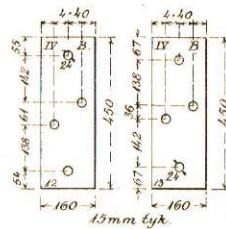
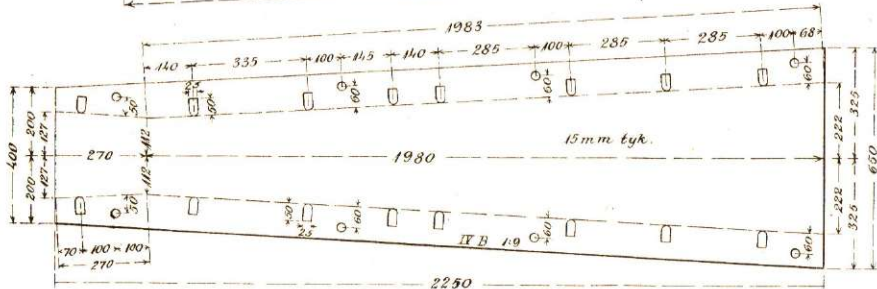
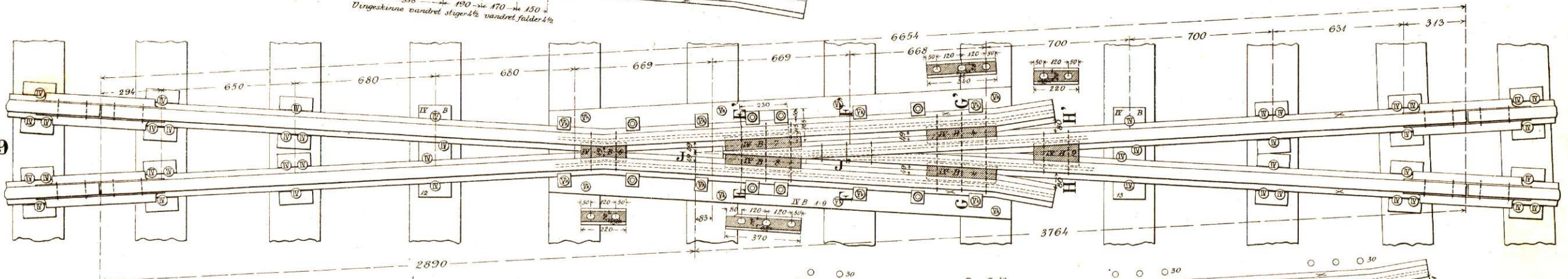


1:6,5 og 1:9.

1:6,5



1:9



Dingeskinne vandret stiger 1/4 vandret falder 1/4

4:10

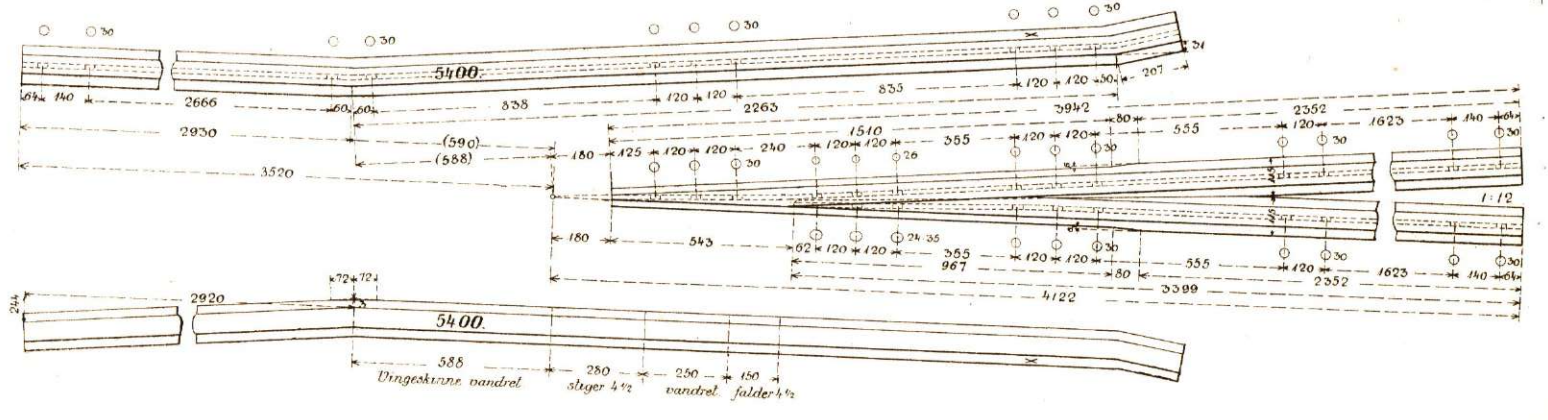
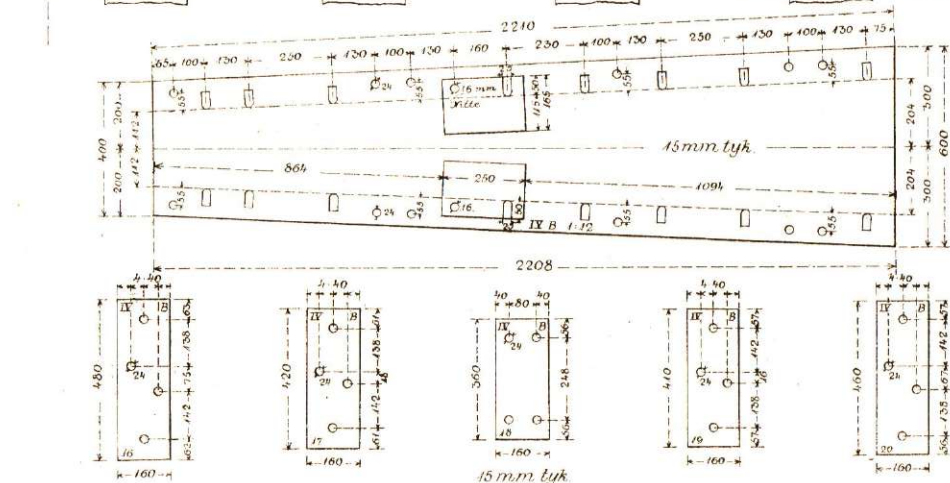
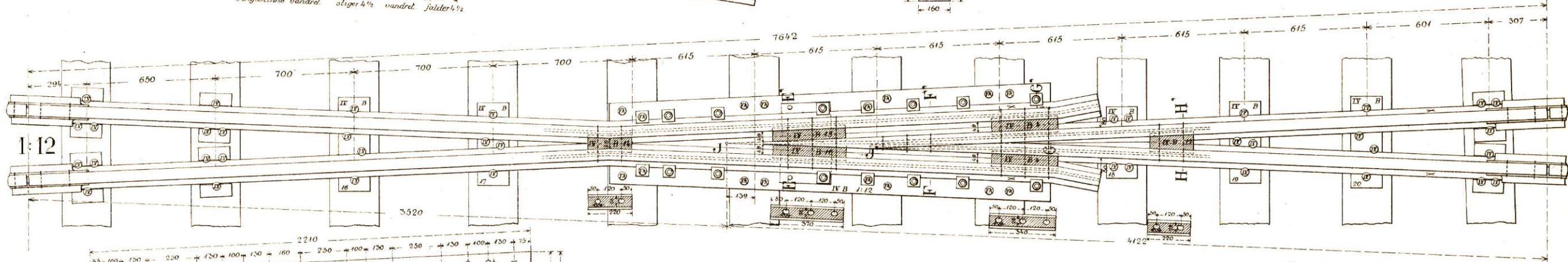
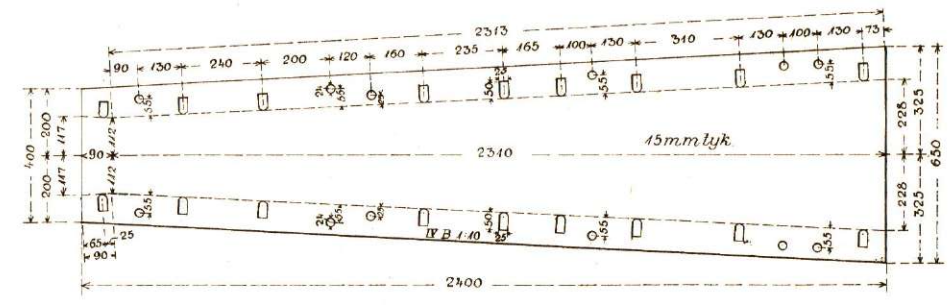
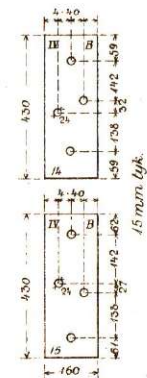
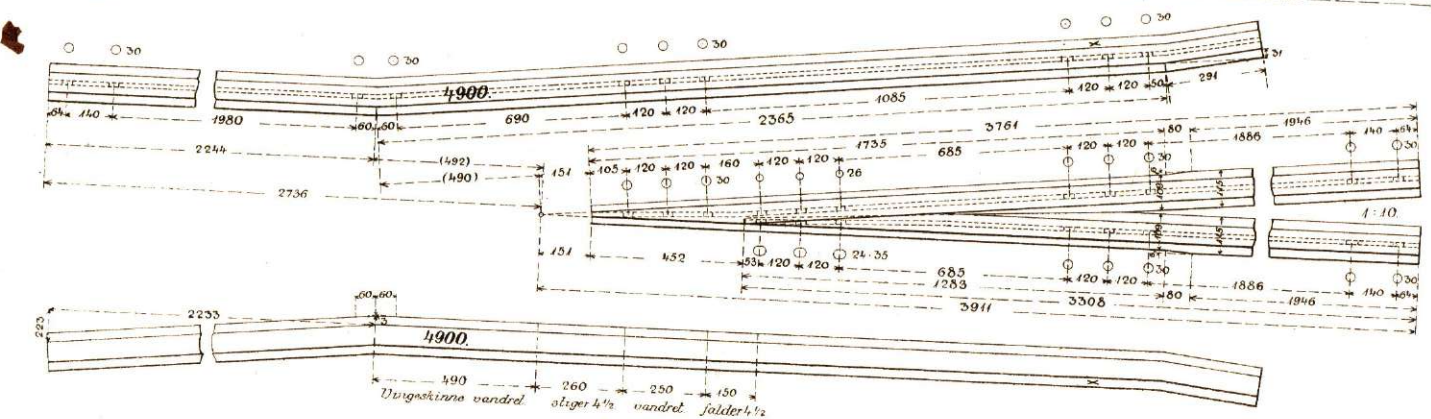
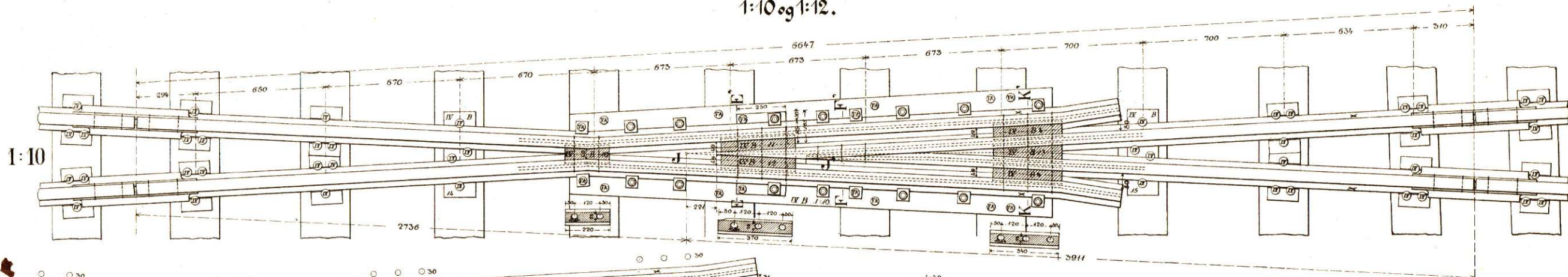


Hældningsforholdets skærer stemples paa Foden af Hjørte- og Dingeskinnerne paa de med x-mærkede Steder Langplader og særlige Underlagsplader stemples som vist paa Tegningen. I Spandeklodernes Overside støbes de paa Tegningen visse Tæl.

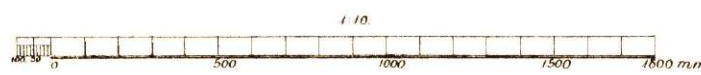
IV Spælleskrue IV B  
VI V B, korl.



1:10 og 1:12.



Hældningsforholdets Nøvnér stemples paa Foden af Hjerte og Dingskinnerne paa de med mærkede Steder. Langplader og særlige Underlagsplader stemples som vist paa Tegningen. J Spændelødsernes Overside støbes de paa Tegningen viste Tal.

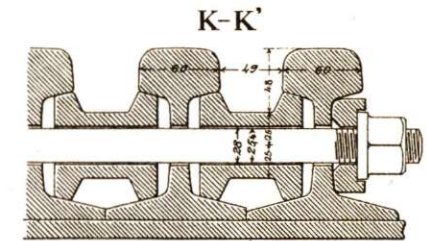
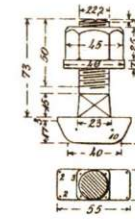
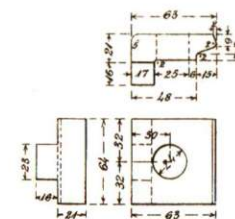
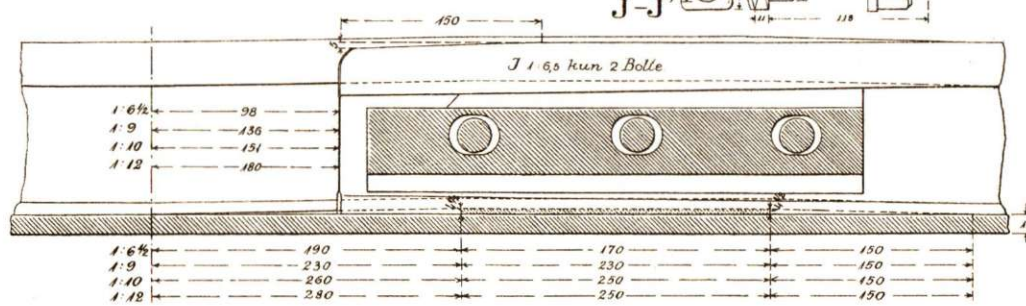
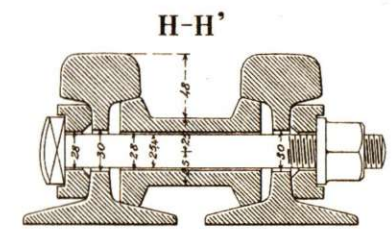
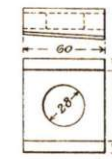
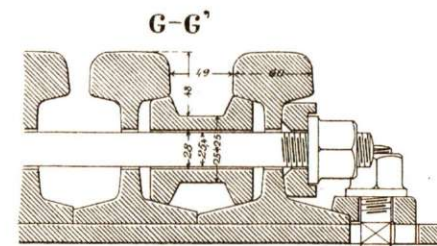
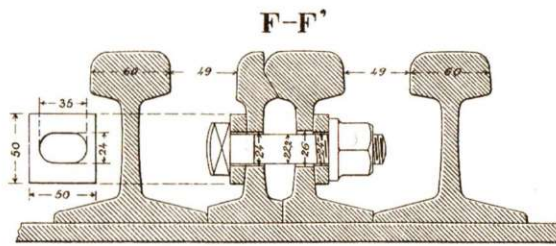
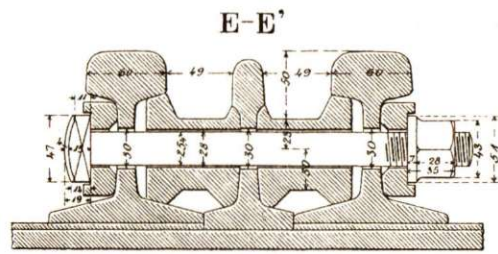
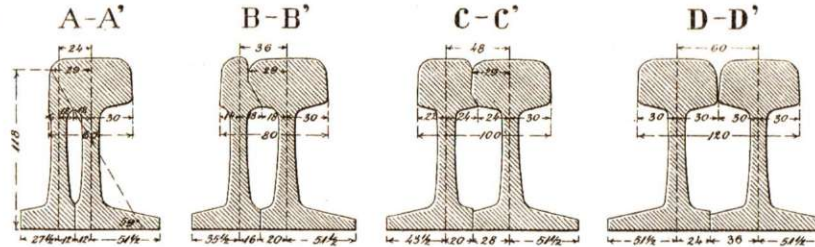
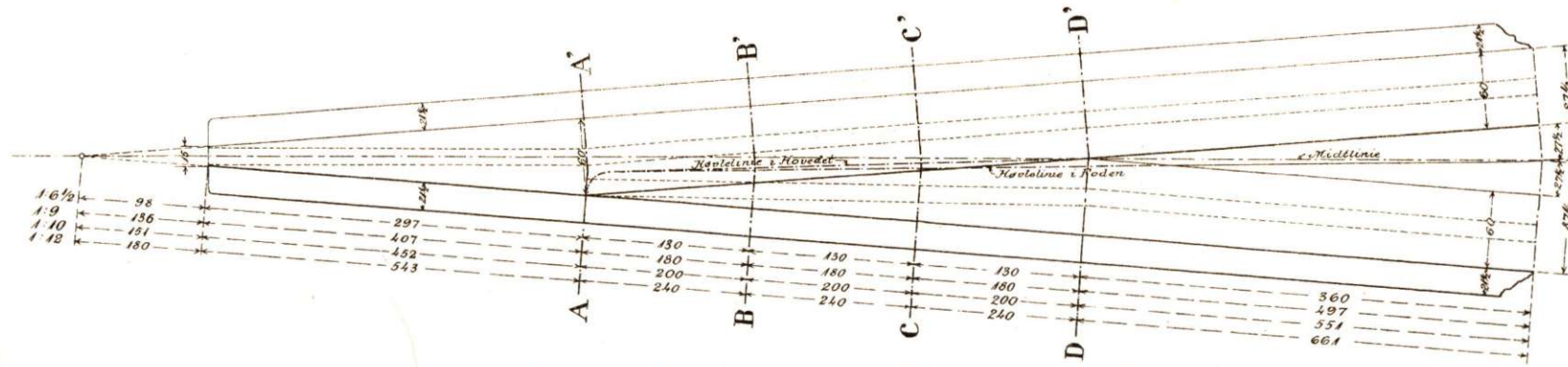


IV Soelleskrue IV B  
V B, kort.



# Skinnekrydsninger.

1:6, 5, 1:9, 1:10 og 1:12.



Materialfortegnelse.

| Krydsning 1:6,5     |       |       |         | Krydsning 1:9.              |       |       |         |
|---------------------|-------|-------|---------|-----------------------------|-------|-------|---------|
|                     | Antal | a kg  | Jalt kg |                             | Antal | a kg  | Jalt kg |
| 3900 mm Skinner     | 2     | 144,3 | 288,6   | 4650 mm Skinner             | 2     | 172,1 | 344,2   |
| 3436                | 1     | 127,0 | 127,0   | 3629                        | 1     | 134,3 | 134,3   |
| 3139                | 1     | 116,2 | 116,2   | 3221                        | 1     | 118,5 | 118,5   |
| Langplade           | 1     | 1328  | 1328    | Langplade                   | 1     | 139,0 | 139,0   |
| Overhøjningsplader  | 2     | 1,0   | 2,0     | Overhøjningsplader          | 2     | 1,4   | 2,8     |
| 16 mm Nitter        | 4     | 0,3   | 1,2     | Særlig Underlagsplade N: 12 | 1     | 8,5   | 8,5     |
| Spændeklodser       | 6     |       | 58,5    | Særlig Underlagsplade N: 15 | 1     | 8,5   | 8,5     |
| Tværbolte           | 10    |       | 15,2    | Spændeklodser               | 6     |       | 61,0    |
| Spændeklodser store | 14    | 0,4   | 5,6     | Tværbolte                   | 13    |       | 19,7    |
| små                 | 6     | 0,2   | 1,2     | Spændeklodser store         | 20    | 0,4   | 8,0     |
| Klemplader          | 14    | 0,5   | 7,0     | små                         | 6     | 0,2   | 1,2     |
| Klempladebolte      | 6     | 0,5   | 3,0     | Klemplader                  | 16    | 0,5   | 8,0     |
| Jalt                |       |       | 757,5   | Klempladebolte              | 8     | 0,5   | 4,0     |
|                     |       |       |         | Jalt                        |       |       | 857,7   |

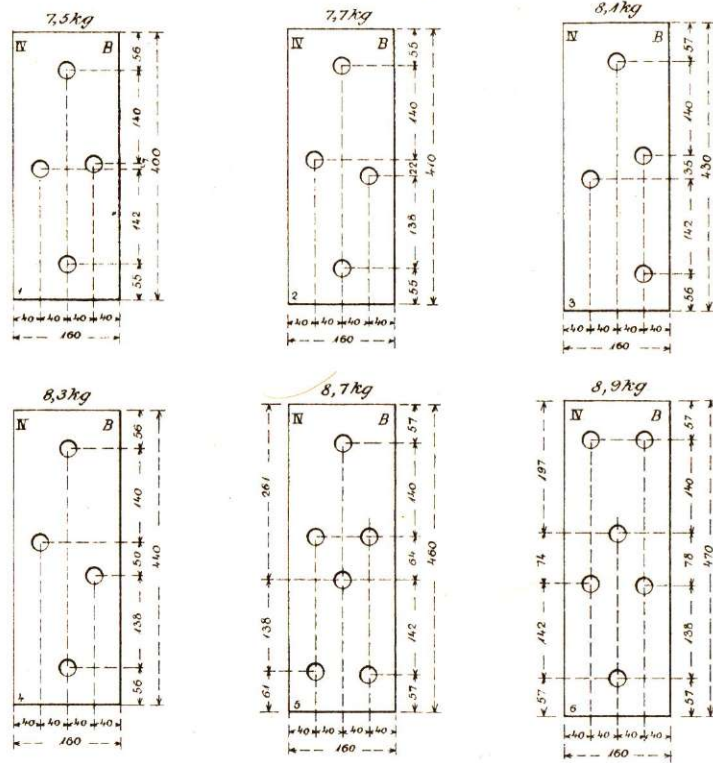


Materialfortegnelse

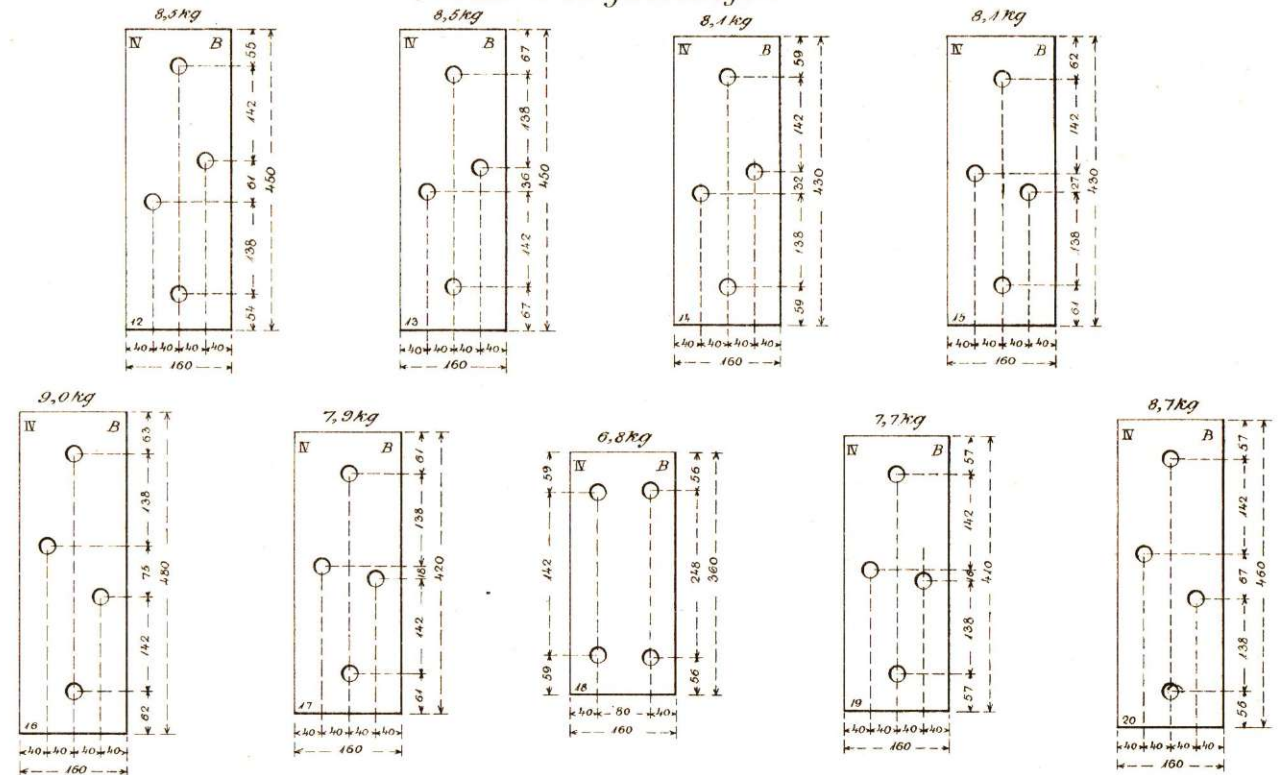
| Krydsning 1:10              |       |       |         | Krydsning 1:12.             |       |       |         |
|-----------------------------|-------|-------|---------|-----------------------------|-------|-------|---------|
|                             | Antal | a kg  | Jalt kg |                             | Antal | a kg  | Jalt kg |
| 4900 mm Skinner             | 2     | 181,5 | 362,0   | 5400 mm Skinner             | 2     | 199,8 | 399,6   |
| 3761                        | 1     | 139,2 | 139,2   | 3942                        | 1     | 145,9 | 145,9   |
| 3308                        | 1     | 122,4 | 122,4   | 3399                        | 1     | 125,8 | 125,8   |
| Langplade                   | 1     | 148,5 | 148,5   | Langplade                   | 1     | 150,0 | 150,0   |
| Overhøjningsplader          | 2     | 1,5   | 3,0     | Overhøjningsplader          | 2     | 1,5   | 3,0     |
| Særlig Underlagsplade N: 14 | 1     | 8,1   | 8,1     | 16 mm Nitter                | 2     |       | 0,4     |
| Særlig Underlagsplade N: 16 | 1     | 8,1   | 8,1     | Særlig Underlagsplade N: 16 | 1     | 9,0   | 9,0     |
| Spændeklodser               | 6     |       | 61,1    | Overhøjningsplader          | 17    | 1,7   | 7,9     |
| Tværbolte                   | 11    |       | 16,0    | Tværbolte                   | 18    | 1,8   | 6,8     |
| Spændeklodser store         | 16    | 0,4   | 6,4     | Spændeklodser store         | 19    | 1,7   | 7,7     |
| små                         | 6     | 0,2   | 1,2     | små                         | 20    | 1,7   | 8,7     |
| Klemplader                  | 18    | 0,5   | 9,0     | Spændeklodser små           | 6     | 0,2   | 1,2     |
| Klempladebolte              | 14    | 0,5   | 7,0     | Tværbolte                   | 13    |       | 18,9    |
| Jalt                        |       |       | 893,2   | Spændeklodser store         | 16    | 0,4   | 6,4     |
|                             |       |       |         | små                         | 6     | 0,2   | 1,2     |
|                             |       |       |         | Klemplader                  | 16    | 0,5   | 8,0     |
|                             |       |       |         | Klempladebolte              | 12    | 0,5   | 6,0     |
|                             |       |       |         | Jalt                        |       |       | 945,8   |



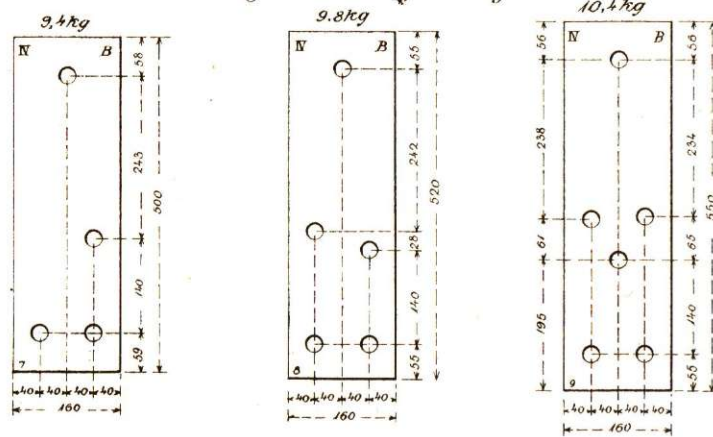
Plader bag Tungeroden.



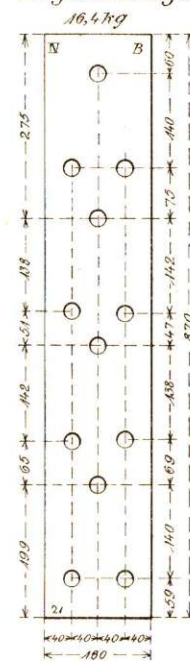
Plader i Krydsninger.



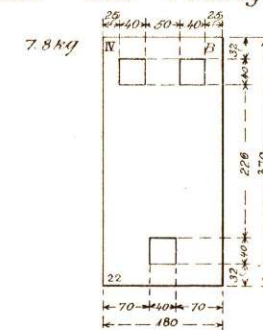
Plader i forsatte Sporskifter.



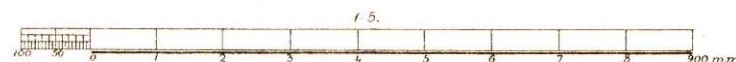
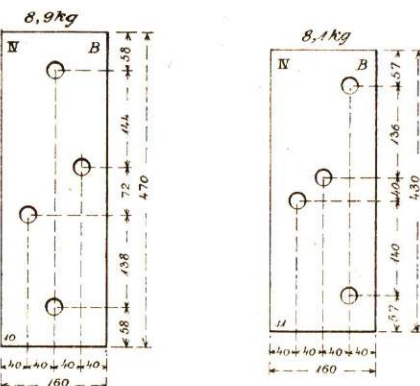
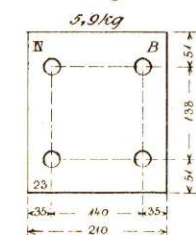
Plade ved Krydsningssporskiftet.



Plade ved Tvangskinner.

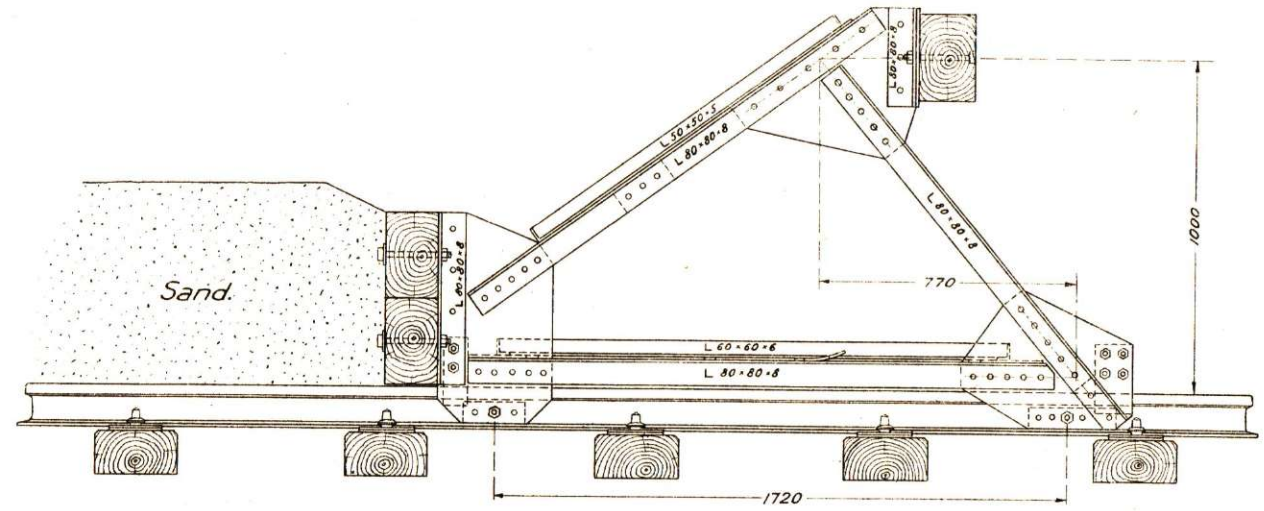
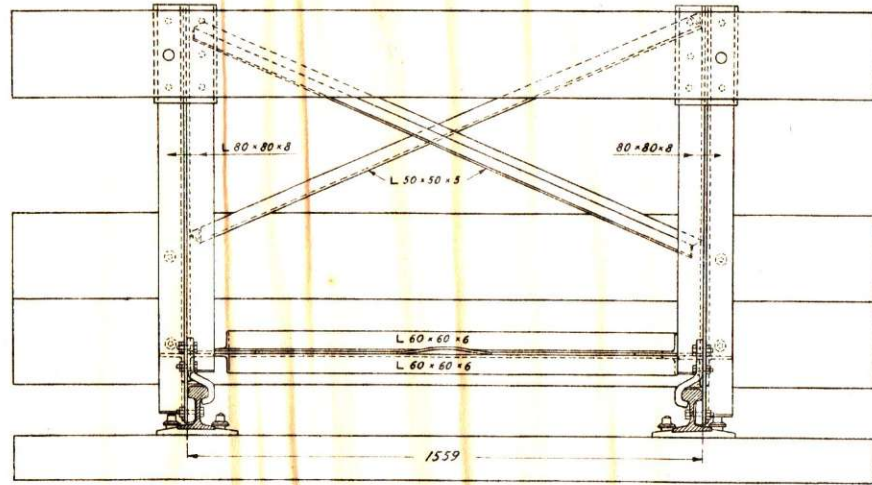


Plade ved fast Stød.

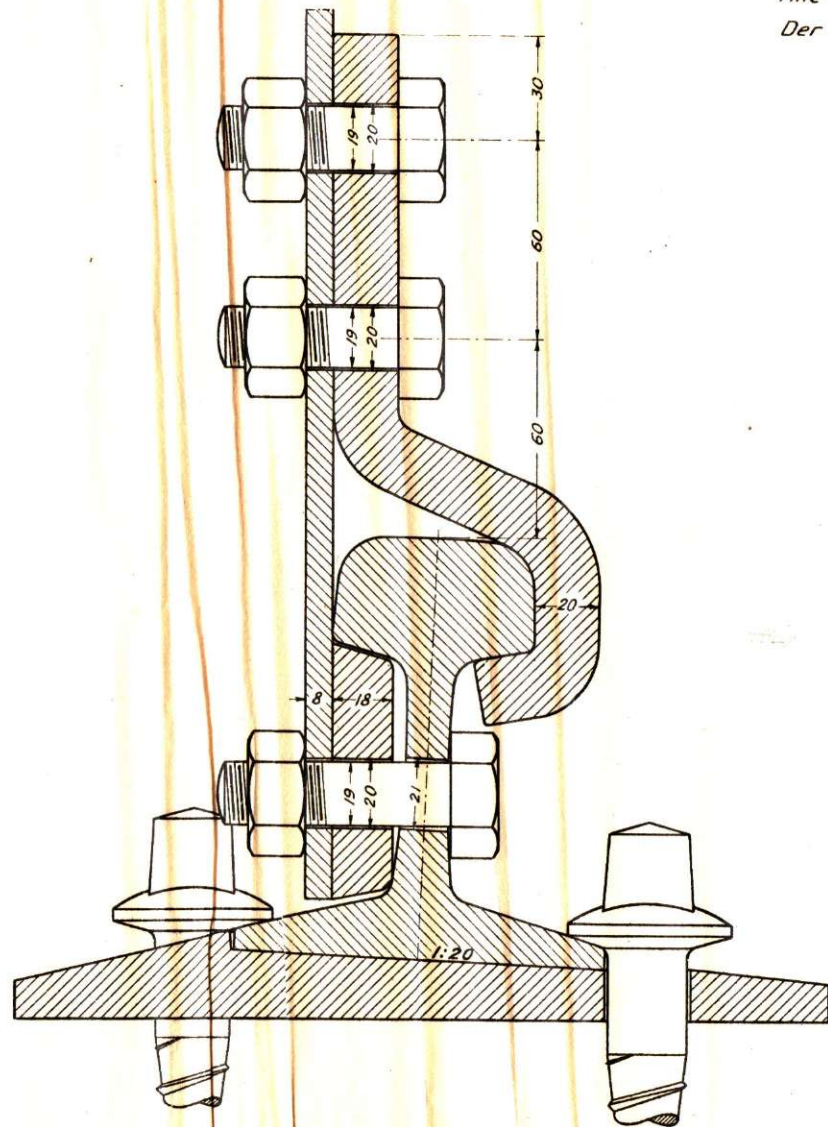




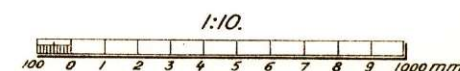
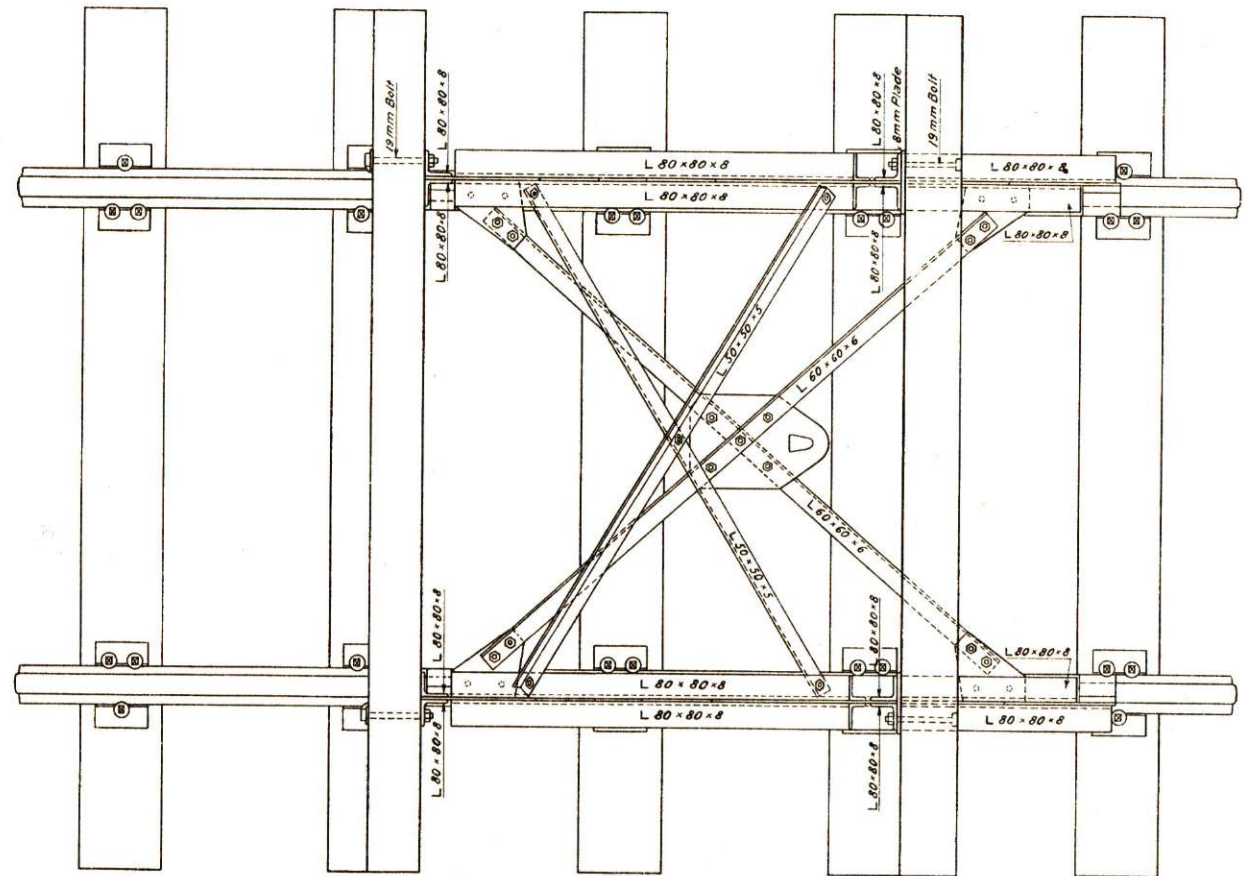
# HØJ STOPPER TIL SPOR IV. (37KG SKINNER). 1:10.



DETAIL. 1:1.



Der anvendes overalt 20 mm Nitter.  
Alle Knudeplader skal være 8 mm tykke.  
Der anvendes 16 mm Bolte til Fastgørelse af Krydsbaand.



Udarbejdet af:

*Erik Petersen*