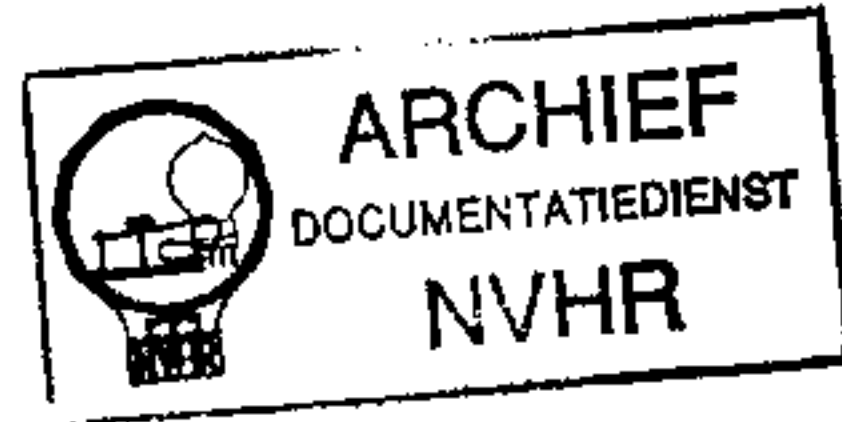


STRENG VERTROUWELIJKALLEEN VOOR PHILIPS
SERVICE HANDELAREN

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**PHILIPS**SERVICE DOCUMENTATIE
VOOR HET ONTVANGTOESTEL**655 A**

VOOR VOEDING UIT WISSELSTROOMNETTEN

GOLFBANDEN:

L.G.band: 708 — 2000 m (424 — 150 kHz.)
 M.G.band: 186 — 585 m (1618 — 513 kHz.)
 K.G.band: 13,8 — 50,5 m (21,7 — 5,95 MHz.)

BEDIENINGSKNOPPEN:

Op linker zijwand: Toonregelaar en spaarschakelaar.
 Op voorwand links: Volumeregelaar en netschakelaar.
 Op voorwand rechts: Afstemknop.
 Op rechter zijwand: Golfbandschakelaar.

LUIDSPREKER: type 9682 of 9636.**GEWICHT:** 9,3 k.gr.**AFMETINGEN:**

Breedte: 49 cm.
 Hoogte: 33 cm.
 Diepte: 25 cm.

BANDBREEDTE:

M.F.: Vanaf het eerste rooster van B2 ligt de 1 : 10 bandbreedte tussen 10 en 11 kHz.
 M.G. band: Vanaf de antennebus ligt de 1 : 10 bandbreedte bij ca. 10,5 kHz.
 L.G. band: Vanaf de antennebus ligt de 1 : 10 bandbreedte bij ca. 9,5 kHz.

AFREGELLEN VAN DEN ONTVANGER.

Voor het benodigde gereedschap zie pag. 3.
 De plaats der trimmers is aangegeven in fig. 1.
 Voor het trimmen der M.F. kringen moet het apparaat worden uitgekast.

A. M.F.-KRINGEN TRIMMEN.

1. Apparaat instellen op 186 m. Volumeregelaar naar maximum.
2. Outputindicator aansluiten aan de extra luidsprekerbussen via trimtransformator.
3. Gemoduleerd signaal van 128 kHz toevoeren aan het 1e rooster (topuitvoering) van ECH 3 via 32000 pF.
4. Parallel aan C51 een condensator van 80 pF schakelen (zie fig. 2).
5. C52 afregelen op maximale output.
6. Condensator van 80 pF wegnemen van C51 en parallel schakelen aan S 52 (zie fig. 2).
7. C51 trimmen op maximale output.
8. Condensator van S52 wegnemen en parallel aan C61 schakelen (zie fig. 2).
9. C62 trimmen op maximale output.
10. Condensator van C61 wegnemen en parallel aan C62 schakelen (zie fig. 2).
11. C61 trimmen op maximale output.
12. C61, C62, C51, C52 verzegelen met Philitine 110. Condensator van 80 pF wegnemen.

B. H.F.- EN OSCILLATORKRINGEN TRIMMEN.

1. Outputindicator aansluiten aan de extra-luidsprekerbussen via trimtransformator. Volumeregelaar op maximum.
2. 15°-mal aanbrengen. Condensator vast tegen de mal aandraaien (kleinste capaciteit).

3. Gemoduleerd signaal van 1600 kHz toevoeren aan de antennebus via normale kunstantenne.
4. Achtereenvolgens C38, C28, C18, C28, C38 nauwkeurig trimmen op maximale output.
5. C38, C28 en C18 verzegelen. 15°-mal verwijderen.

C. M.F.-SPERKRING (S91-C91) AFREGELLEN.

1. Outputindicator aansluiten aan de extra-luidsprekerbussen via trimtransformator. Golfbandschakelaar in stand L.G. plaatsen en draaicondensator op maximum.
2. Gemoduleerd signaal van 128 kHz toevoeren aan antennebus via normale kunstantenne.
3. C91 trimmen op minimale output.
4. C91 verzegelen.

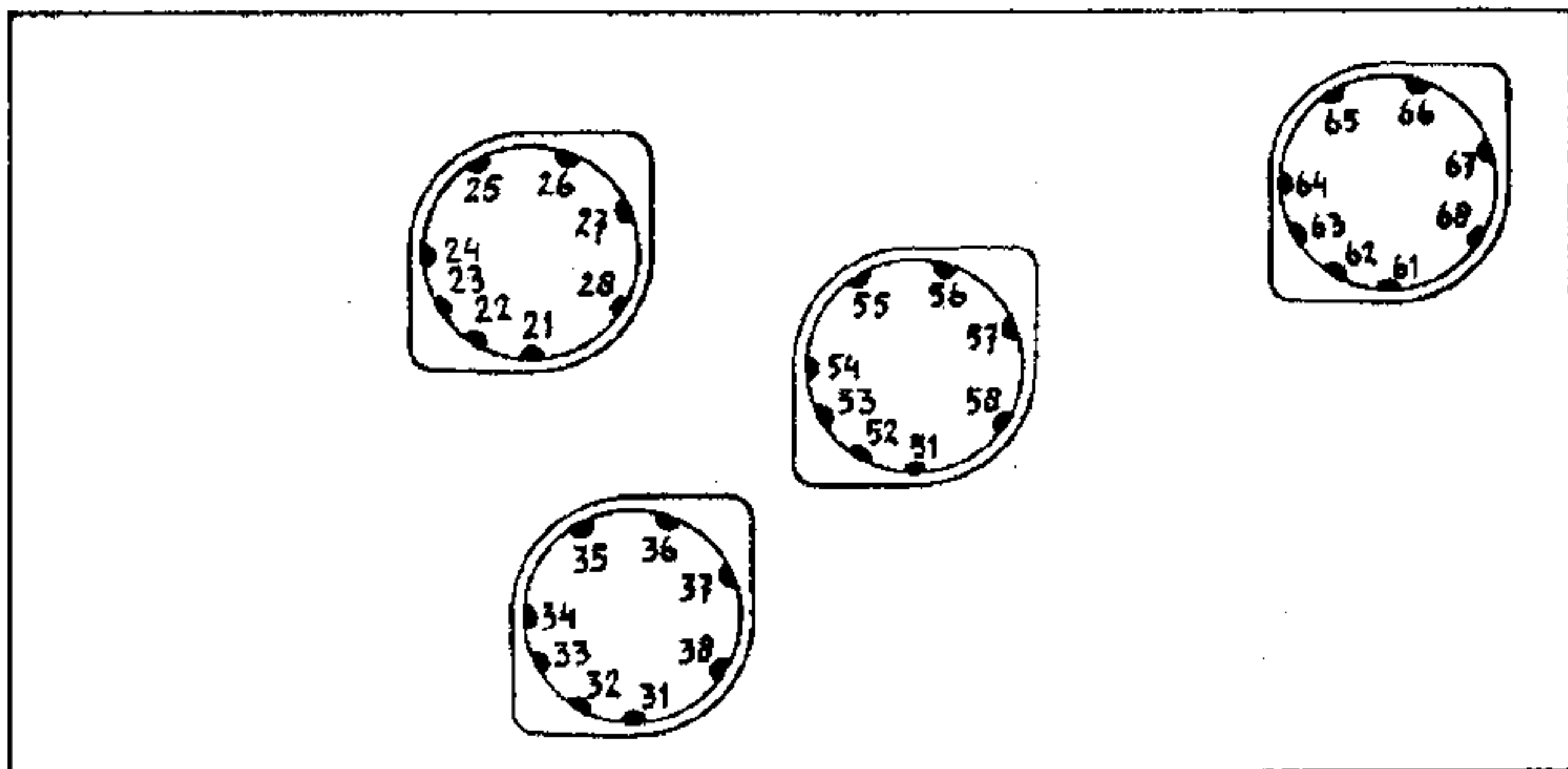
SCHAAL UITWISSELEN.

1. Siervenster verwijderen.
2. De schaal wordt aan de linker en rechterkant door een beugeltje bevestigd. De schroeven waarmee dit geschiedt, enige slagen losdraaien.
3. De schaal verwijderen.

APPARAAT UITKASTEN.

1. Knoppen en achterwand verwijderen.
2. Luidsprekerverbindingen lossolderen.
3. Weerstanden- en spaarschakelaar losschroeven van de kast.
4. Philiten armpje van golfbandschakelaar en toonregelaar losschroeven en naar buiten trekken.
5. Het chassis is met vier schroeven aan de bodemplank van de kast bevestigd. Deze vier schroeven uitdraaien. Het chassis kan nu uit de kast worden verwijderd.

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WEERSTAND:

| 12 | ⚡ | | | C 7 | C 8 | L/S | 12/13 | 22/23 | 32/33 | 42/43 | | | | | | |
|----|-----|-----|-----|-----|------|-----|-------|-------|-------|-------|----|--|-----|--|--|--|
| | KG | MG | LG | KG | KG | | | | | | | | | | | |
| | 100 | 365 | 465 | 15 | 15 | 40 | 10 | 10 | 10 | 20 | | | | | | |
| 11 | 14 | 18 | 24 | 25 | 28 | 34 | 37 | 38 | 45/48 | 45 | | | | | | |
| | 330 | 450 | 310 | 315 | 455 | 365 | 455 | 395 | 310 | 230 | | | | | | |
| 10 | 15 | 16 | 17 | 27 | P/35 | 19 | | | | | | | | | | |
| | 200 | 145 | 240 | 80 | 145 | KG | | | | | | | | | | |
| 9 | 29 | 35 | 36 | 39 | 19 | | C6 | | | C7 | | | P/U | | | |
| | 80 | 230 | 165 | 130 | MG | LG | KG | MG | LG | MG | LG | | 250 | | | |
| | | | | | 65 | 65 | 65 | 65 | 65 | 65 | 65 | | | | | |

CAPACITEIT:

| | | | | | | | | | | | | | | | | |
|----|-----|-----|-----|--|-----|--|--|--|----|-------|--|--|--|--|--|--|
| 12 | 39 | C8 | | | 37 | | | | 10 | 42/48 | | | | | | |
| | 110 | MG | LG | | 120 | | | | | 335 | | | | | | |
| 11 | 17 | 27 | 29 | | | | | | 9 | 42 | | | | | | |
| | 260 | 150 | 150 | | | | | | | 485 | | | | | | |

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LIJST VAN ONDERDEELEN EN GEREEDSCHAPPEN

Bij het bestellen van onderdelen vermeldde men steeds:

Codenummer

Omschrijving

Typenummer van het apparaat.

| Fig. | Pos. | Omschrijving | Codenummer | Prijs |
|------|------|-----------------------------------|------------|-------|
| 3 | 1 | Kast (038) | 23 661 | 17.5 |
| 3 | 2 | Luidsprekerdoek | 06 601 | 40.0 |
| | | Slotschroef | 07 472 | 03.0 |
| 3 | 3 | Handel (038) | 23 661 | 19.1 |
| 3 | 4 | Sierstrip | A1 950 | 93.2 |
| 3 | 5 | Sam. wijzer | A1 349 | 43.1 |
| 3 | 6 | Stationsnamenschaal | A1 896 | 57.0 |
| | | Achterwand | A1 716 | 76.1 |
| 3 | 7 | Merkschijf | 28 713 | 27.1 |
| 3 | 8 | Knop (038) | 23 612 | 38.0 |
| 3 | 9 | Schaalvenster (038) | 23 690 | 39.2 |
| 3 | 10 | Sam. kap (038) | 28 856 | 45.0 |
| 4 | 11 | Samenstelling plaat met pennen | A1 356 | 73.0 |
| 4 | 12 | Tulle | 28 725 | 52.0 |
| | | Afstandstuk | A1 365 | 01.1 |
| 4 | 14 | Stekerbuisplaat | A1 354 | 31.0 |
| 4 | 15 | Stekerbuisplaat | A1 340 | 92.0 |
| 4 | 16 | Stekerbuisplaat | A1 340 | 42.0 |
| | | As voor de volumeregelaar | A1 437 | 10.0 |
| | | As voor de condensatoraandrijving | A1 436 | 97.1 |
| | | Klemring | A1 755 | 35.1 |
| | | Trekveer in aandrijftrommel | A1 975 | 06.2 |
| | | Netschakelaar | 28 650 | 25.2 |
| | | Schakelsegment No. 1 | 49 544 | 04.0 |
| | | Schakelsegment No. 2 | 49 544 | 03.0 |
| | | LUIDSPREKER | | |
| | | Conus met spoel | 28 220 | 51.1 |
| | | Klemring | 25 871 | 81.0 |
| | | Papieren ring | 28 451 | 54.0 |
| | | INSTRUMENTEN | | |
| | | Serviceoscillator | GM 2880F | |
| | | Universeel meetapparaat | GM 4256 | |
| | | TRIMGEREEDSCHAP | | |
| | | Geïsoleerde trimdopsleutel | 23 685 | 66.0 |
| | | 15° mal | 09 992 | 44.0 |
| | | Trimtransformator | 09 992 | 22.0 |
| | | Philitine 110 | 02 771 | 69.0 |
| | | Condensator 82 μ F | 49 055 | 27.0 |
| | | Condensator 32000 μ F | 28 199 | 80.0 |

SPOELEN

| No. | Waarde | Codenummer | Prijs |
|------|-----------|-------------|-------|
| Z1 | | | |
| S1 | | | |
| S2 | 325 Ohm | A1 055 78.1 | |
| S3 | 0,5 Ohm | | |
| S4 | 0,5 Ohm | | |
| S13 | 2 Ohm | | |
| S14 | 0,5 Ohm | A1 035 32.1 | |
| S17 | 26 Ohm | | |
| S18 | 90 Ohm | A1 035 34.1 | |
| S19 | 4,5 Ohm | | |
| S20 | 48 Ohm | | |
| S28 | 4,4 Ohm | A1 035 35.1 | |
| S30 | 45 Ohm | | |
| S33 | 0,5 Ohm | A1 035 33.0 | |
| S34 | 1 Ohm | | |
| S37 | 8 Ohm | | |
| S38 | 2 Ohm | | |
| S39 | 32 Ohm | A1 035 36.0 | |
| S40 | 8,5 Ohm | | |
| S51 | 115 Ohm | A1 035 37.2 | |
| S52 | 115 Ohm | | |
| C52 | 70—100 pF | | |
| S61 | 115 Ohm | A1 035 38.0 | |
| S62 | 90 Ohm | | |
| S63 | 35 Ohm | | |
| C62 | 70—100 pF | | |
| S81 | 700 Ohm | A1 080 88.0 | |
| S82 | 1 Ohm | | |
| S83 | 180 Ohm | | |
| S84 | 180 Ohm | | |
| S91 | 110 Ohm | 28 587 88.0 | |
| S92 | 0,7 Ohm | 28 587 71.0 | |
| S93 | 0,7 Ohm | | |
| S100 | 800 Ohm | A1 000 32.0 | |

BUIZEN

| B2 | B3 | B5 | B6 | L1 | L2 |
|------|-----|------|-----|-----------|----------|
| ECH3 | EF9 | EBL1 | AZ1 | 8045 D-07 | 8045D-07 |

WEERSTANDEN

| Nr. | Waarde | Codenummer | Prijs |
|-----|-------------|-------------|-------|
| R1 | 1800 Ohm | 49 356 30.0 | |
| R2 | 4100 Ohm | 49 357 38.0 | |
| R11 | 0,65 M. Ohm | 49 500 19.0 | |
| R12 | 0,2 M. Ohm | | |
| R13 | 47000 Ohm | 49 375 44.0 | |
| R14 | 1 M. Ohm | 49 376 60.0 | |
| R15 | 8200 Ohm | 49 375 47.0 | |
| R16 | 56 Ohm | 49 375 09.0 | |
| R21 | 0,5 Ohm | 49 500 86.1 | |
| R22 | 1800 Ohm | 49 375 27.0 | |
| R31 | 0,1 M. Ohm | 49 375 48.0 | |
| R32 | 33000 Ohm | 49 376 42.0 | |
| R33 | 47000 Ohm | 49 377 44.0 | |
| R34 | 27000 Ohm | 49 377 41.0 | |
| R35 | 47 Ohm | 49 375 08.0 | |
| R36 | 1,5 M. Ohm | 49 376 62.0 | |
| R37 | 0,1 M. Ohm | 49 376 48.0 | |
| R38 | 1,5 M. Ohm | 49 376 62.0 | |
| R39 | 0,56 M. Ohm | 49 375 57.0 | |
| R40 | 0,56 M. Ohm | 49 375 57.0 | |
| R41 | 12000 Ohm | 49 375 37.0 | |
| R42 | 0,82 M. Ohm | 49 375 59.0 | |
| R44 | 12000 Ohm | 49 375 57.0 | |
| R72 | 330 Ohm | 49 375 18.0 | |
| R73 | 330 Ohm | 49 375 18.0 | |
| R75 | 150 Ohm | 49 376 14.0 | |
| R80 | 390 Ohm | 49 377 19.0 | |
| R81 | 47000 Ohm | 49 375 44.0 | |

CONDENSATOREN

| Nr. | Waarde | Codenummer | Prijs |
|------|------------|-------------|-------|
| C1 | 47 μ F | 49 029 01.0 | |
| C2 | 14 μ F | | |
| C6 | 11—490 pF | 28 212 30.0 | |
| C7 | 11—490 pF | | |
| C8 | 11—490 pF | | |
| C18 | 20 pF | 49 005 05.0 | |
| C28 | 20 pF | 49 005 05.0 | |
| C38 | 20 pF | 49 005 05.0 | |
| C40 | 35 pF | 49 057 06.0 | |
| C47 | 1450 pF | 49 081 32.0 | |
| C49 | 394 pF | 49 081 31.0 | |
| C51 | 70—100 pF | 49 005 01.1 | |
| C52 | | zie spoelen | |
| C61 | 70—100 pF | 49 005 01.0 | |
| C62 | | zie spoelen | |
| C72 | 47000 pF | 49 127 61.0 | |
| C73 | 47000 pF | 49 127 61.0 | |
| C75 | 25 μ F | 28 182 24.1 | |
| C81 | 8,2 pF | 49 055 15.0 | |
| C82 | 56 pF | 49 055 25.0 | |
| C84 | 3300 pF | 49 128 54.0 | |
| C85 | 1000 pF | 49 126 53.0 | |
| C91 | 70—100 pF | 49 005 01.1 | |
| C92 | 12000 pF | 49 127 15.0 | |
| C93 | 39000 pF | 49 127 21.0 | |
| C100 | 33 pF | 49 055 22.0 | |
| C101 | 10 pF | 49 055 16.0 | |
| C102 | 47000 pF | 49 127 61.0 | |
| C103 | 47 pF | 49 055 24.0 | |
| C104 | 470 pF | 49 055 53.0 | |
| C105 | 47000 pF | 49 128 61.0 | |
| C106 | 47000 pF | 49 127 61.0 | |
| C107 | 47000 pF | 49 128 61.0 | |
| C108 | 27000 pF | 49 127 19.0 | |
| C109 | 100 pF | 49 055 49.0 | |
| C110 | 4700 pF | 49 126 54.0 | |
| C111 | 330 pF | 49 055 05.0 | |
| C112 | 22000 pF | 49 129 90.0 | |

STROOMEN EN SPANNINGEN

| Buizen | Va | Vg2(4) | Vk | Ia | Ig2(4) |
|-----------|------|--------|------|-----|--------|
| hexode | 230 | 100 | 2 | 1.2 | 1.3 |
| B2 triode | 70 | | | 4.8 | |
| B3 | 230 | 80 | 2 | 4.6 | 1.4 |
| B5 | 240 | 230 | 16.5 | 30 | 5 |
| | Volt | Volt | Volt | mA | mA |

Primair verbruik: 48 Watt.

In spaarstand: 37 Watt.

De spanningen zijn gemeten met een voltmeter, die een weerstand van 2000 ohm per Volt heeft. Meet men met een voltmeter met lagere weerstand, dan zullen in het algemeen lagere waarden gemeten worden.

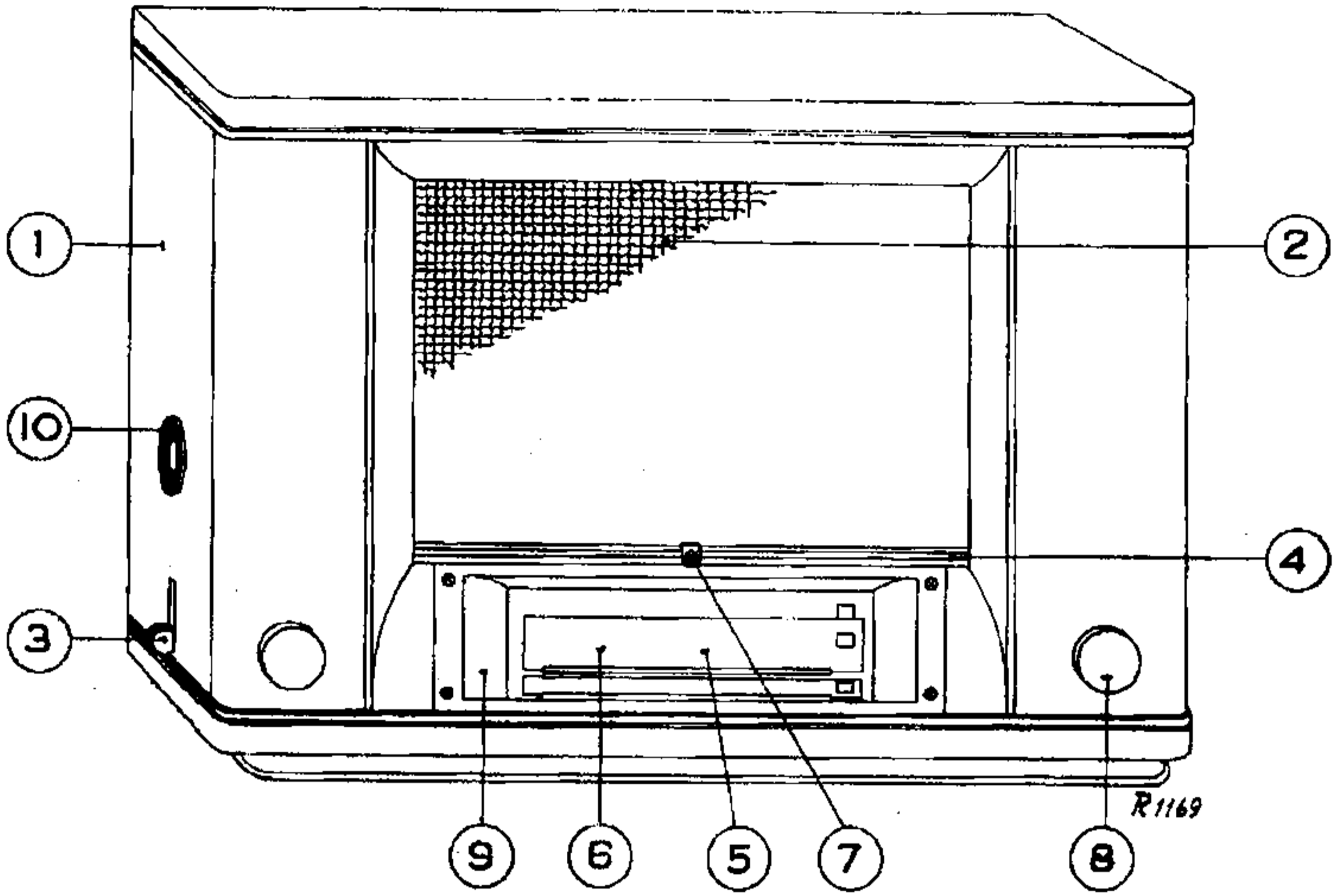


Fig. 3

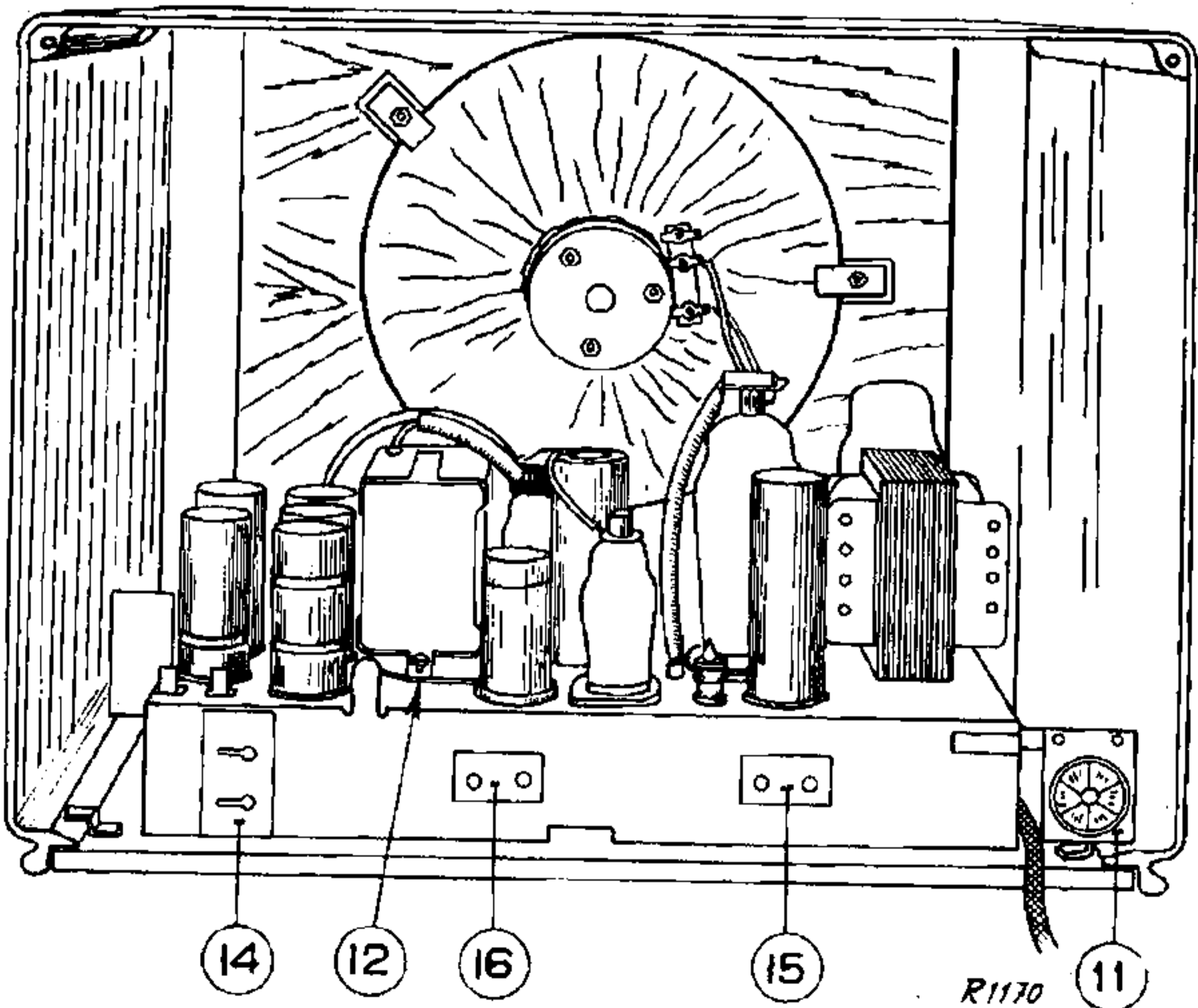
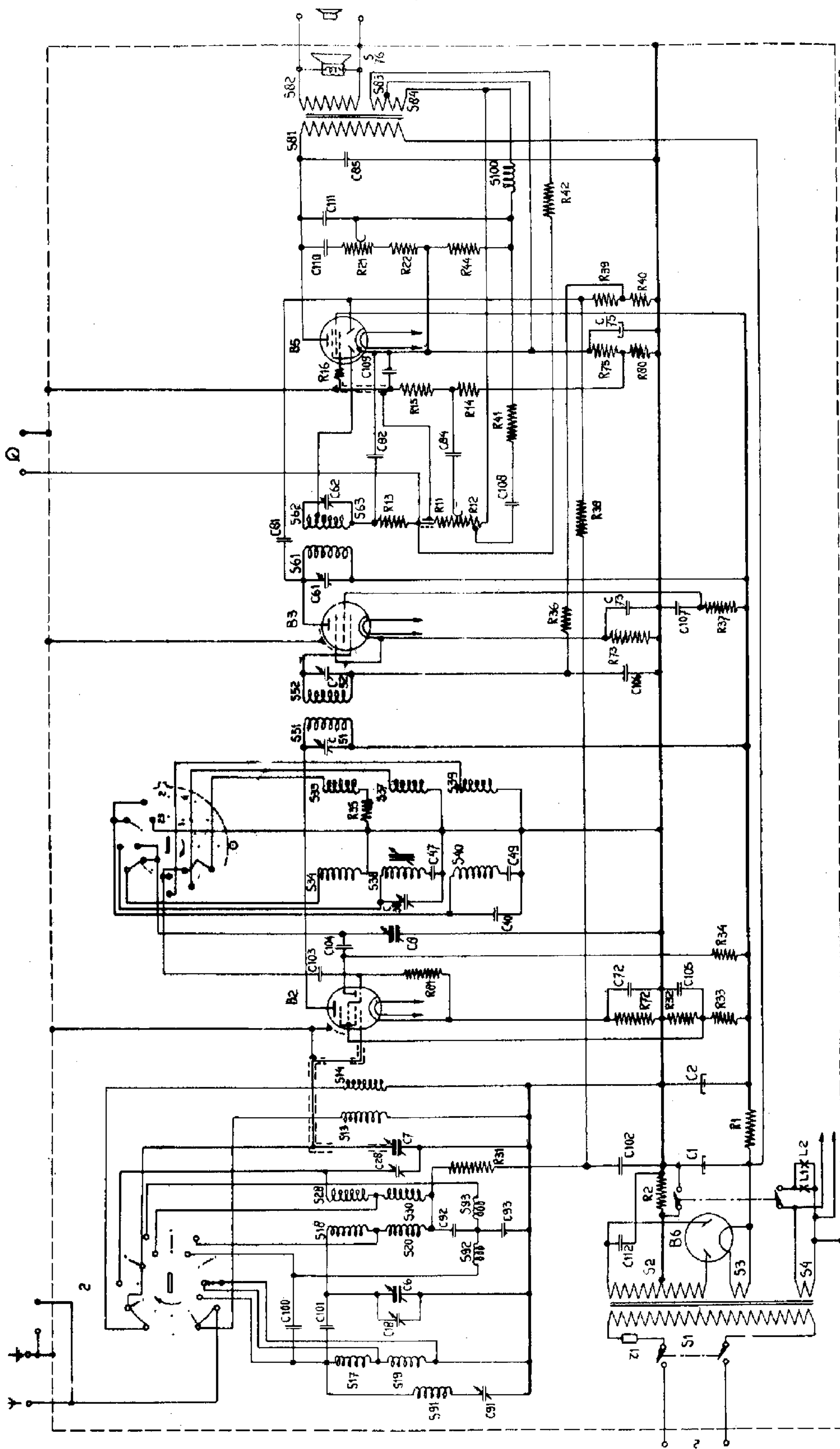


Fig. 4

S: 91, 17, 19, 1, 2, 3, 4, 92, 93, 10, 20, 28, 30, 13, 14, 51, 52, 54, 58, 49, 33, 37, 38, 59, 61, 62, 63, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

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R1172

Fig. 5

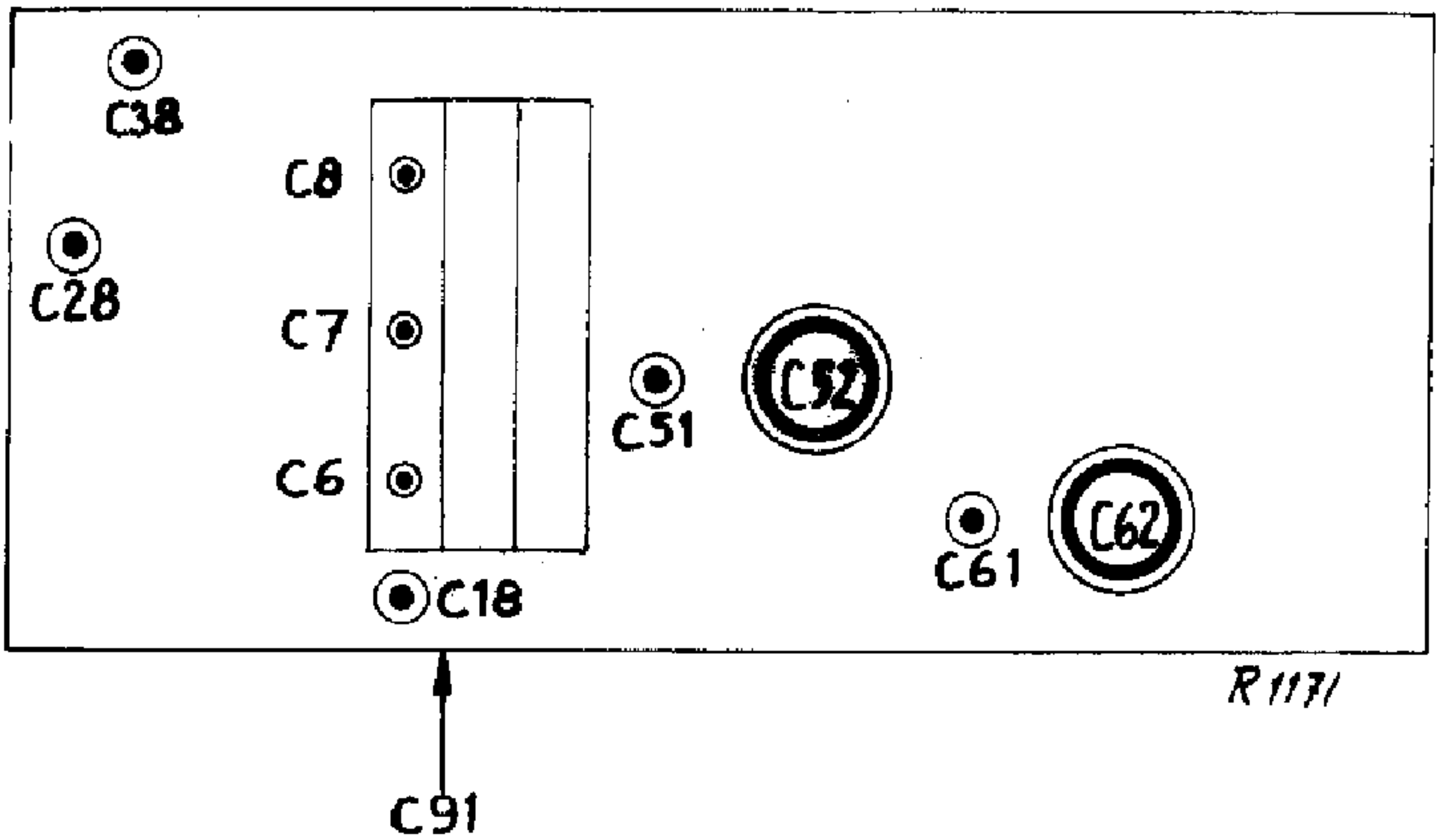


Fig.1

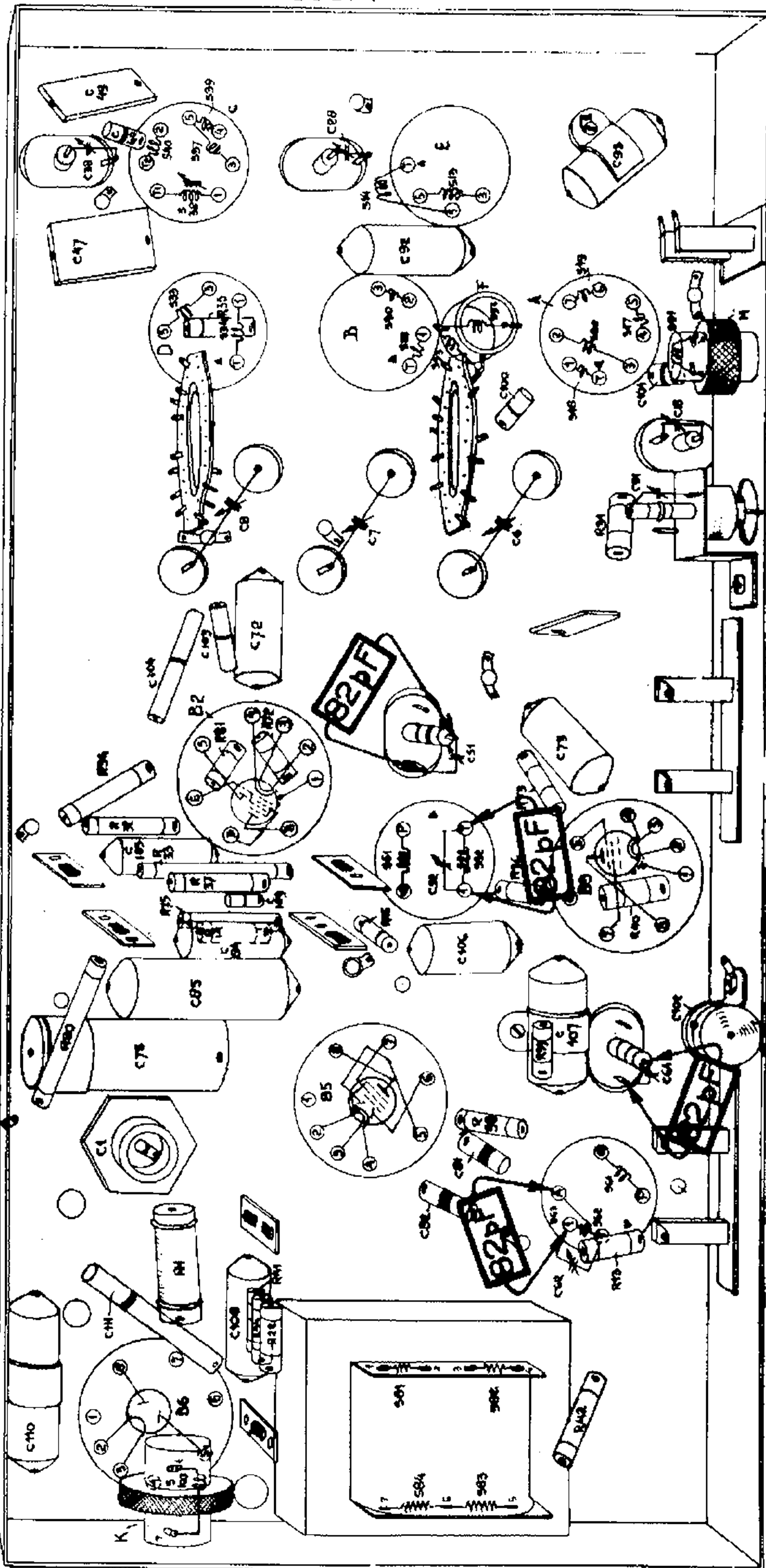
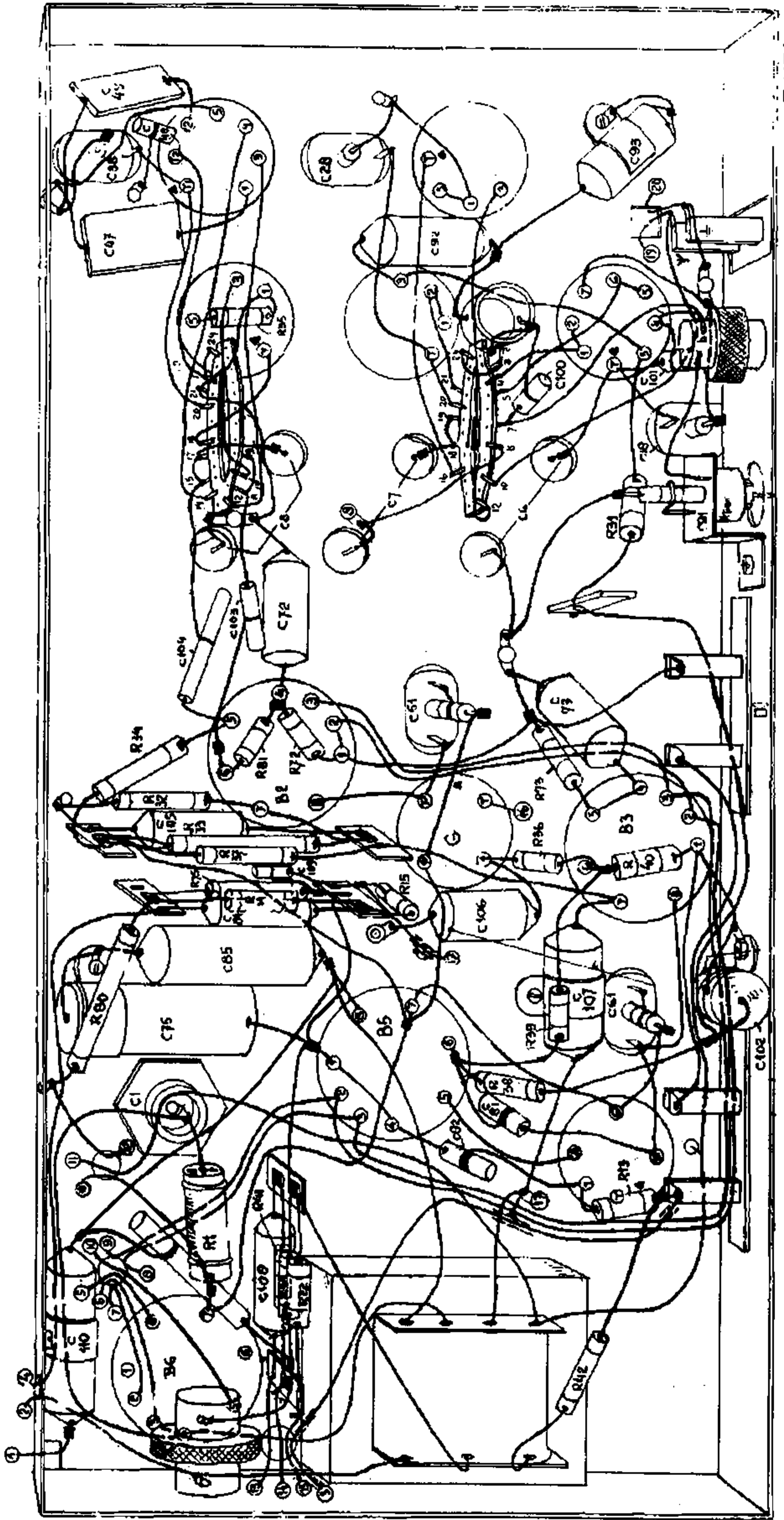


Fig. 2

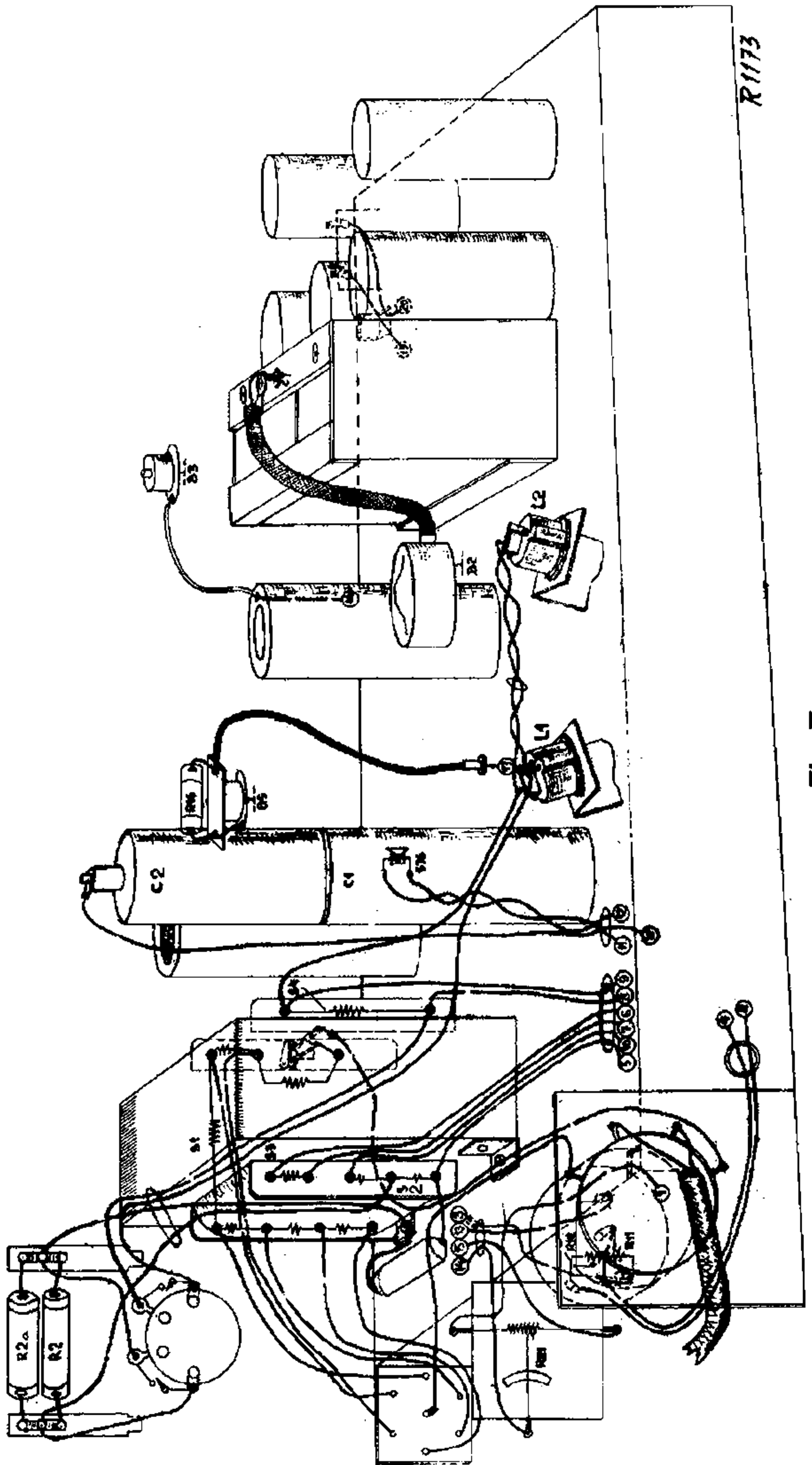
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 C: 110 100. 14. 82.1.81. 102.75. 61.07.85. 106.84. 409. 105. 5073. 2. 72.103.104. 6.7.8.9. 18. 100.101. 90.47. 30.23. 40.03. 49.
 R: 42. 14.44.22. 15. 36. 80.38. 14.75.15.34.40.57.82.83. 72.726. 81. 34. 35.



R1174

Fig. 6

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R1173

Fig. 7

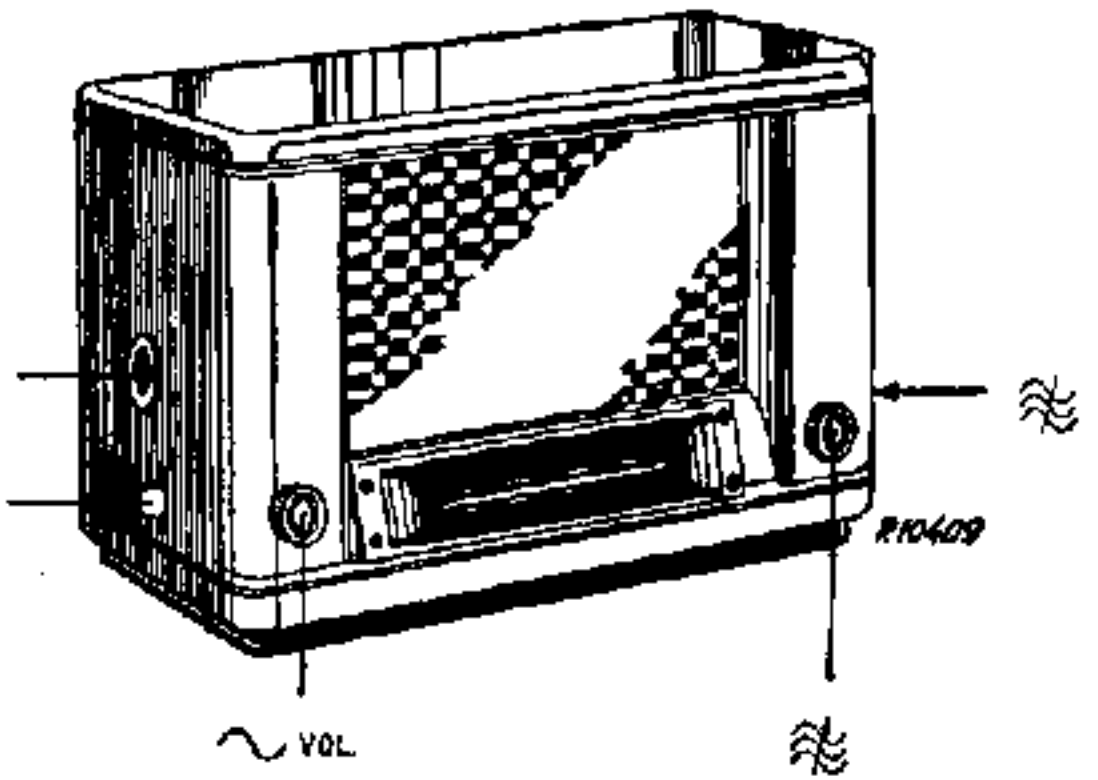
1. c. d. 4.
 112
 20. R12. 11.
 26. 1

PHILIPS-SERVICE

655 A

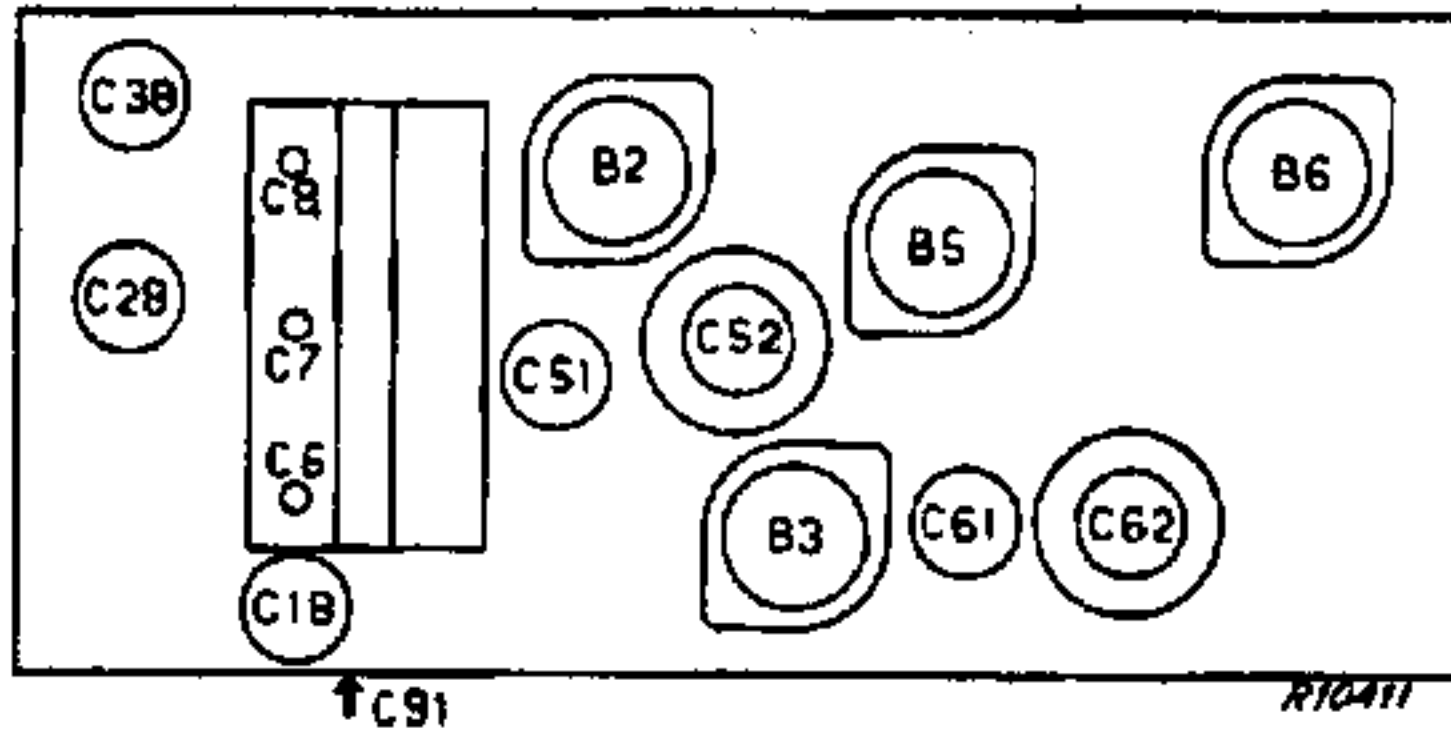
13.8—50.5 m
 186—585 m
 707—2000 m

9682, Z = 5 Ω
 9636, Z = 5 Ω
 110 V, 125 V, 145 V,
 200 V, 225 V, 245 V
 48 watt



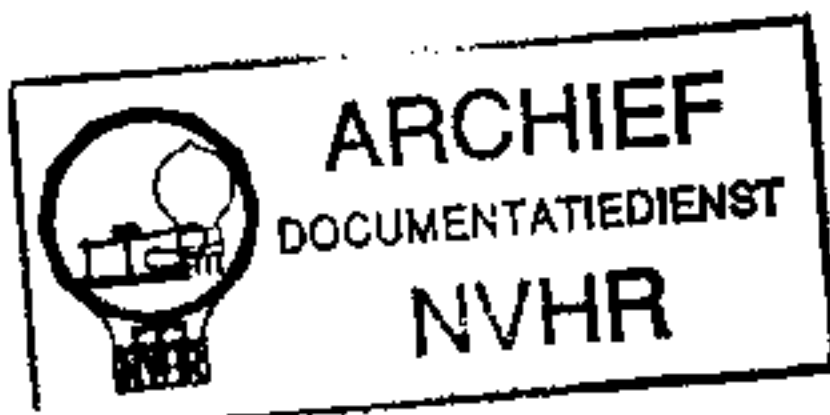
| 186—585 m | A | 186—585 m | B | 700—2000 m | C |
|------------------------|-------|-------------------|---|-----------------|---|
| C6, C7, C8 | 186 m | C6, C7, C8 + 15° | | C6, C7, C8 max. | |
| 128 kc/s-32000 pF-g1B2 | | 1600 kc/s- | | 128 kc/s- | |
| C51—80 pF | | C38, C28, C18 max | | C91 min. | |
| C82 max. | | | | | |
| C51 | | | | | |
| 852—80 pF | | | | | |
| C51 max. | | | | | |
| 852 | | | | | |
| C61—80 pF | | | | | |
| C62 max. | | | | | |
| C61 | | | | | |
| C62—80 pF | | | | | |
| C61 max. | | | | | |
| C62 | | | | | |

15° - 09 992 44.0



| | B2 | B3 | B5 | B6 |
|---------|------------------|------|-------|------|
| | ECH 5 | KP 9 | EBL 1 | AZ 1 |
| Va | aH 230 aT 70 | 230 | 240 | |
| Vg2 (4) | 100 | 80 | 230 | |
| Vk | 2 | 2 | 16,5 | |
| Ia | aH 1,2 aT 4,8 | 4,6 | 30 | |
| Ig2 (4) | 1,3 | 1,4 | 6 | |

Ned. Ver. v. Historie v/d Radio



| | | | | | |
|--------------------|-----------|-------------|-------------|---------|-------------|
| C1 | 50 pF | 49 029 01.0 | R1 | 1800 Ω | 49 356 30.0 |
| C2 | 15 pF | | R2 | 8200 Ω | 49 357 38.0 |
| C6 | 11-490 pF | | R2a | 8200 Ω | 49 357 38.0 |
| C7 | 11-490 pF | 28 212 30.0 | R11 | 0,65 MΩ | |
| C8 | 11-490 pF | | R12 | 0,2 MΩ | 49 500 19.0 |
| C18 | 20 pF | 49 005 05.2 | R13 | 47000 Ω | 49 376 44.0 |
| C28 | 20 pF | 49 005 05.2 | R14 | 1 MΩ | 49 376 60.0 |
| C38 | 20 pF | 49 005 05.2 | R15 | 82000 Ω | 49 376 47.0 |
| C40 | 35 pF | 49 057 06.0 | R16 | 56 Ω | 49 375 09.0 |
| C47 | 1450 pF | 49 081 32.0 | R21 | 0,5 Ω | 49 300 06.1 |
| C49 | 394 pF | 49 081 31.0 | R22 | 1800 Ω | 49 375 27.0 |
| C51 | 70-100 pF | 49 005 01.1 | R31 | 0,1 MΩ | 49 375 48.0 |
| C61 | 70-100 pF | 49 005 01.1 | R32 | 82000 Ω | 49 376 42.0 |
| C72 | 47000 pF | 49 127 61.0 | R33 | 47000 Ω | 49 377 44.0 |
| C73 | 47000 pF | 49 127 61.0 | R34 | 27000 Ω | 49 377 41.0 |
| C75 | 25 pF | 28 182 24.1 | R35 | 47 Ω | 49 375 08.0 |
| C81 | 2,2 pF | 49 058 15.0 | R36 | 1,5 MΩ | 49 376 62.0 |
| C82 | 56 pF | 49 055 25.0 | R37 | 0,1 MΩ | 49 376 48.0 |
| C84 | 3300 pF | 49 124 54.0 | R38 | 1,5 MΩ | 49 376 62.0 |
| C85 | 1000 pF | 49 126 53.0 | R39 | 0,56 MΩ | 49 375 57.0 |
| C91 | 70-100 pF | 49 005 01.1 | R40 | 0,56 MΩ | 49 375 57.0 |
| C92 | 12000 pF | 49 127 15.0 | R41 | 12000 Ω | 49 375 37.0 |
| C93 | 39000 pF | 49 127 21.0 | R42 | 0,82 MΩ | 49 375 59.0 |
| C100 | 33 pF | 49 055 22.0 | R44 | 12000 Ω | 49 375 37.0 |
| C101 | 10 pF | 49 055 16.0 | R72 | 330 Ω | 49 375 18.0 |
| C102 | 47000 pF | 49 127 61.0 | R73 | 330 Ω | 49 375 18.0 |
| C103 | 47 pF | 49 055 24.0 | R75 | 150 Ω | 49 376 16.0 |
| C104 | 470 pF | 49 055 53.0 | R80 | 390 Ω | 49 377 19.0 |
| C105 | 47000 pF | 49 128 61.0 | R81 | 47000 Ω | 49 375 44.0 |
| C106 | 47000 pF | 49 127 61.0 | | | |
| C107 | 47000 pF | 49 128 61.0 | | | |
| C108 | 27000 pF | 49 127 19.0 | | | |
| C109 | 100 pF | 49 055 28.0 | | | |
| C110 | 4700 pF | 49 126 54.0 | | | |
| C111 | 330 pF | 49 055 05.0 | | | |
| C112 | 22000 pF | 49 129 90.0 | | | |
| 655A.06 | | | | | |
| C6 | 11-490 pF | 49 000 40.0 | | | |
| C7 | 11-490 pF | | | | |
| C8 | 11-490 pF | | | | |
| S1, S2, S3, S4 | | | A1 056 78.1 | | |
| S13, S14 | | | A1 035 32.1 | | |
| S17, S18, S19, S20 | | | A1 035 34.2 | | |
| S26, S30 | | | A1 035 35.1 | | |
| S33, S34 | | | A1 035 33.0 | | |
| S37, S38, S39, S40 | | | A1 036 46.0 | | |
| S51, S52, C52 | | | A1 035 37.8 | | |
| S61, S62, S63, C62 | | | A1 035 38.2 | | |
| S81, S82, S83, S84 | | | A1 080 88.0 | | |
| S91 | | | 28 587 08.0 | | |
| S92, S93 | | | 28 587 71.0 | | |
| S100 | | | A1 000 32.0 | | |

SPOELEN

| No. | Waarde | Codenummer | Prijs |
|------|-----------|-------------|-------|
| Z1 | | | |
| S1 | | | |
| S2 | 325 Ohm | A1 055 78.1 | |
| S3 | 0,5 Ohm | | |
| S4 | 0,5 Ohm | | |
| S13 | 2 Ohm | | |
| S14 | 0,5 Ohm | A1 035 32.1 | |
| S17 | 26 Ohm | | |
| S18 | 90 Ohm | A1 035 34.1 | |
| S19 | 4,5 Ohm | | |
| S20 | 48 Ohm | | |
| S28 | 4,4 Ohm | | |
| S30 | 45 Ohm | A1 035 35.1 | |
| S33 | 0,5 Ohm | | |
| S34 | 1 Ohm | A1 035 33.0 | |
| S37 | 8 Ohm | | |
| S38 | 2 Ohm | A1 035 36.0 | |
| S39 | 32 Ohm | | |
| S40 | 8,5 Ohm | | |
| S51 | 115 Ohm | | |
| S52 | 115 Ohm | A1 035 37.2 | |
| C52 | 70—100 pF | | |
| S61 | 115 Ohm | A1 035 38.0 | |
| S62 | 90 Ohm | | |
| S63 | 35 Ohm | | |
| C62 | 70—100 pF | | |
| S81 | 700 Ohm | A1 080 88.0 | |
| S82 | 1 Ohm | | |
| S83 | 180 Ohm | | |
| S84 | 180 Ohm | | |
| S91 | 110 Ohm | 28 587 88.0 | |
| S92 | 0,7 Ohm | | |
| S93 | 0,7 Ohm | 28 587 71.0 | |
| S100 | 800 Ohm | | |
| | | A1 000 32.0 | |

BUIZEN

| B2 | B3 | B5 | B6 | L1 | L2 |
|------|-----|------|-----|-----------|----------|
| ECH3 | EF9 | EBL1 | AZ1 | 8045 D-07 | 8045D-07 |

WEERSTANDEN

| Nr. | Waarde | Codeznummer | Prijs |
|-----|-------------|-------------|-------|
| R1 | 1800 Ohm | 49 356 30.0 | |
| R2 | 4100 Ohm | 49 357 38.0 | |
| R11 | 0,65 M. Ohm | 49 500 19.0 | |
| R12 | 0,2 M. Ohm | | |
| R13 | 47000 Ohm | 49 375 44.0 | |
| R14 | 1 M. Ohm | 49 376 60.0 | |
| R15 | 8200 Ohm | 49 375 47.0 | |
| R16 | 56 Ohm | 49 375 09.0 | |
| R21 | 0,5 Ohm | 49 500 86.1 | |
| R22 | 1800 Ohm | 49 375 27.0 | |
| R31 | 0,1 M. Ohm | 49 375 48.0 | |
| R32 | 33000 Ohm | 49 376 42.0 | |
| R33 | 47000 Ohm | 49 377 44.0 | |
| R34 | 27000 Ohm | 49 377 41.0 | |
| R35 | 47 Ohm | 49 375 08.0 | |
| R36 | 1,5 M. Ohm | 49 376 62.0 | |
| R37 | 0,1 M. Ohm | 49 376 48.0 | |
| R38 | 1,5 M. Ohm | 49 376 62.0 | |
| R39 | 0,56 M. Ohm | 49 375 57.0 | |
| R40 | 0,56 M. Ohm | 49 375 57.0 | |
| R41 | 12000 Ohm | 49 375 37.0 | |
| R42 | 0,82 M. Ohm | 49 375 59.0 | |
| R44 | 12000 Ohm | 49 375 57.0 | |
| R72 | 330 Ohm | 49 375 18.0 | |
| R73 | 330 Ohm | 49 375 18.0 | |
| R75 | 150 Ohm | 49 376 14.0 | |
| R80 | 390 Ohm | 49 377 19.0 | |
| R81 | 47000 Ohm | 49 375 44.0 | |

CONDENSATOREN

| Nr. | Waarde | Codenummer | Prijs |
|------|------------|-------------|-------|
| C1 | 47 μ F | 49 029 01.0 | |
| C2 | 14 μ F | | |
| C6 | 11—490 pF | 28 212 30.0 | |
| C7 | 11—490 pF | | |
| C8 | 11—490 pF | | |
| C18 | 20 pF | | |
| C28 | 20 pF | 49 005 05.0 | |
| C38 | 20 pF | 49 005 05.0 | |
| C40 | 35 pF | 49 057 06.0 | |
| C47 | 1450 pF | 49 081 32.0 | |
| C49 | 394 pF | 49 081 31.0 | |
| C51 | 70—100 pF | 49 005 01.1 | |
| C52 | | zie spoelen | |
| C61 | 70—100 pF | 49 005 01.0 | |
| C62 | | zie spoelen | |
| C72 | 47000 pF | 49 127 61.0 | |
| C73 | 47000 pF | 49 127 61.0 | |
| C75 | 25 μ F | 28 182 24.1 | |
| C81 | 8,2 pF | 49 055 15.0 | |
| C82 | 56 pF | 49 055 25.0 | |
| C84 | 3300 pF | 49 128 54.0 | |
| C85 | 1000 pF | 49 126 53.0 | |
| C91 | 70—100 pF | 49 005 01.1 | |
| C92 | 12000 pF | 49 127 15.0 | |
| C93 | 39000 pF | 49 127 21.0 | |
| C100 | 33 pF | 49 055 22.0 | |
| C101 | 10 pF | 49 055 16.0 | |
| C102 | 47000 pF | 49 127 61.0 | |
| C103 | 47 pF | 49 055 24.0 | |
| C104 | 470 pF | 49 055 53.0 | |
| C105 | 47000 pF | 49 128 61.0 | |
| C106 | 47000 pF | 49 127 61.0 | |
| C107 | 47000 pF | 49 128 61.0 | |
| C108 | 27000 pF | 49 127 19.0 | |
| C109 | 100 pF | 49 055 49.0 | |
| C110 | 4700 pF | 49 126 54.0 | |
| C111 | 330 pF | 49 055 05.0 | |
| C112 | 22000 pF | 49 129 90.0 | |

STROOMEN EN SPANNINGEN

| Buizen | V _a | V _{g2(4)} | V _k | I _a | I _{g2(4)} |
|-----------|----------------|--------------------|----------------|----------------|--------------------|
| hexode | 230 | 100 | 2 | 1.2 | 1.3 |
| B2 triode | 70 | | | 4.8 | |
| B3 | 230 | 80 | 2 | 4.6 | 1.4 |
| B5 | 240 | 230 | 16.5 | 30 | 5 |
| | Volt | Volt | Volt | mA | mA |

Primair verbruik: 48 Watt.

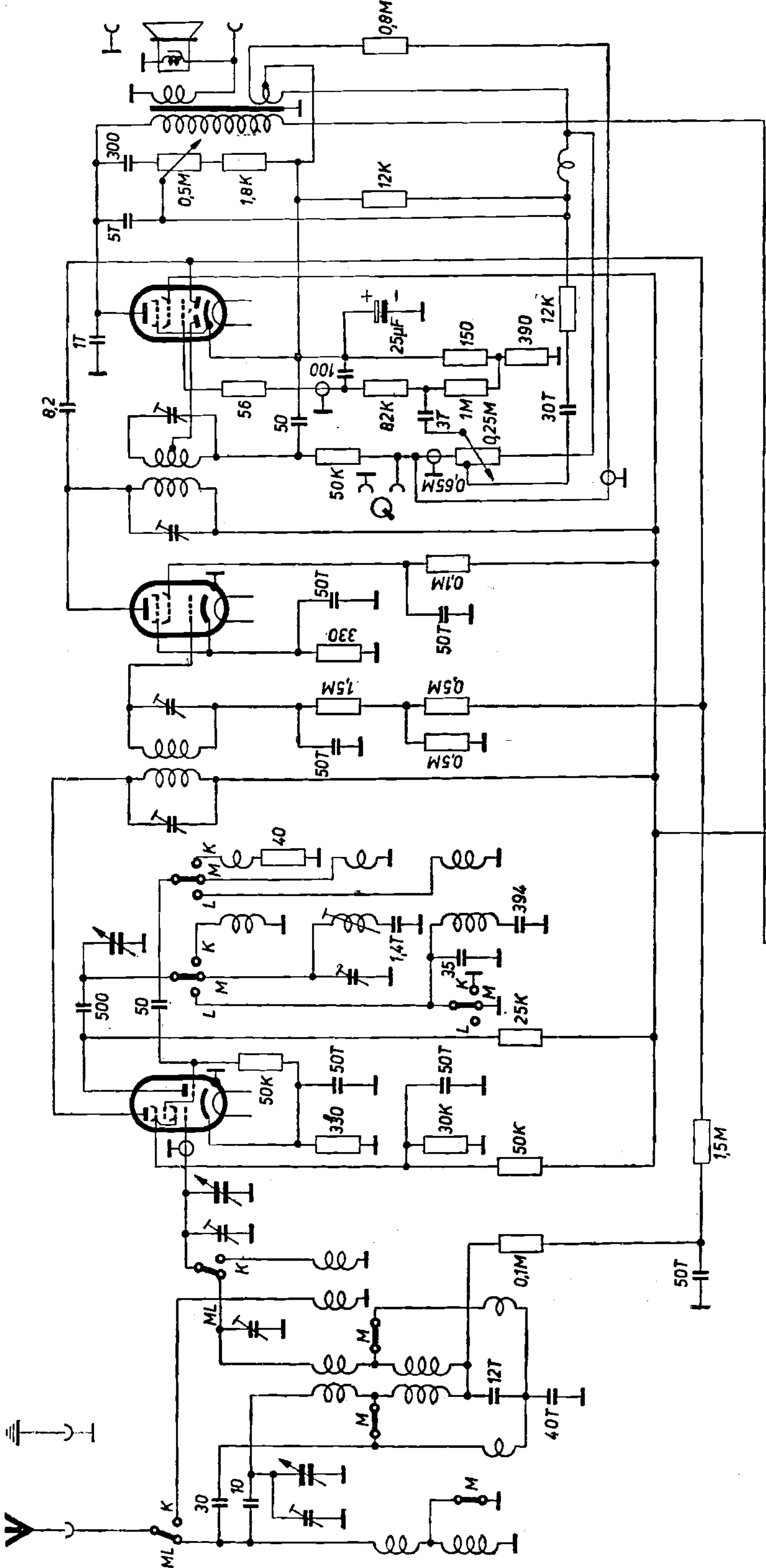
In spaarstand: 37 Watt.

De spanningen zijn gemeten met een voltmeter, die een weerstand van 2000 ohm per Volt heeft. Meet men met een voltmeter met lagere weerstand, dan zullen in het algemeen lagere waarden gemeten worden.

EBL1

EF9

ECH3



ZF = 128 kHz

Philips 655A

AZ1