CONVENTION ON THE PROHIBITION OF THE USE, STOCKPILING, PRODUCTION AND TRANSFER OF ANTI-PERSONNEL MINES AND ON THEIR DESTRUCTION

Reporting Formats for Article 7

STATE [Party/Signatory]: Slovakia
Date of Submission: 9 December 1999

Form A National implementation measures

Article 7.1 "Each State Party shall report to the Secretary-General ... on:
a) The national implementation measures referred to in Article 9."

Remark: In accordance with Article 9, "Each State Party shall take all appropriate legal, administrative and other measures, including the imposition of penal sanctions, to prevent and suppress any activity prohibited to a State Party under this Convention undertaken by persons or on territory under its jurisdiction or control".

State [Party]: Slovakia reporting for time period from 3 December 1997 to 30 November 1999

Measures	Supplementary information (e.g., effective date of implementation & text of legislation attached).
Decision of 11 February 1998 of 2nd session of the Minister of Defence college on specification of main tasks regarding the ratification of the Convention on the Prohibition of the Use, Stockpiling, Production and Transfer of Anti-Personnel Mines and on Their Destruction	16 February 1998
Law of Ministry of Foreign Affairs No. 121/1999 Coll. on the ratification of the Convention on the Prohibition of the Use, Stockpiling, Production and Transfer of Anti-Personnel Mines and on Their Destruction	4 June 1999

Form B Stockpiled anti-personnel mines

Article 7. 1 "Each State Party shall report to the Secretary-General ... on:
b) The total of all stockpiled anti-personnel mines owned or possessed by it, or under its jurisdiction or control, to include a breakdown of the type, quantity and, if possible, lot numbers of each type of anti-personnel mine stockpiled."

State [Party]: Slovakia reporting for time period from 3 December 1997 to 30 November 1999

Type	Quantity	Lot # (if possible)	Supplementary information
AP-S-M	72 279 + 7000 mines (Article 3)	/	SEE ANNEX 1 Annex1.pdf Information about 7000 mines in accordance with Article 3 is provided in form D
TOTAL			

Form C Location of mined areas

Article 7.1 "Each State Party shall report to the Secretary-General ... on:
c) To the extent possible, the location of all mined areas that contain, or are suspected to contain, anti-personnel mines under its jurisdiction or control, to include as much detail as possible regarding the type and quantity of each type of anti-personnel mine in each mined area and when they were emplaced."

State [Party]: Slovakia reporting for time period from 3 December 1997 to 30 November 1999

1. Areas that contain mines

Location	Type	Quantity	Date of emplacement	Supplementary

				information
Not applicable				

2. Areas suspected to contain mines

Location	Type	Quantity	Date of emplacement	Supplementary information
Not applicable				

Form D APMs retained or transferred

Article 7.1 "Each State Party shall report to the Secretary-General ... on:
d) The types, quantities and, if possible, lot numbers of all anti-personnel mines retained or transferred for the development of and training in mine detection, mine clearance or mine destruction techniques, or transferred for the purpose of destruction, as well as the institutions authorized by a State Party to retain or transfer anti-personnel mines, in accordance with Article 3"

State [Party]: Slovakia reporting for time period from 3 December 1997 to 30 November 1999

1. Retained for development of and training in (Article 3, para.1)

Institution authorized by State Party	Type	Quantity	Lot # (if possible)	Supplementary information - Series / Year of production
Armed Forces	AP-S-M II	4992	---	18/56
Armed Forces	AP-S-M II	8	---	21/56
Armed Forces	AP-C-M 1	2000	---	4/89
TOTAL	----------	**7000**		

2. Transferred for development of and training in (Article 3, para.1)

Institution authorized by State Party	Type	Quantity	Lot # (if possible)	Supplementary information e.g. transferred from, transferred to
Nothing to declare				
TOTAL	----------			

3. Transferred for the purpose of destruction (Article 3, para.2)

Institution authorized by State Party	Type	Quantity	Lot # (if possible)	Supplementary information e.g. transferred from, transferred to
Nothing to declare				
TOTAL	----------			

Form E Status of programs for conversion or de-commissioning of APM production facilities

Article 7.1 "Each State Party shall report to the Secretary-General ... on:
e) The status of programs for the conversion or de-commissioning of anti-personnel mine production facilities."

State [Party]: Slovakia reporting for time period from 3 December 1997 to 30 November 1999

Indicate if to "convert" or "decommission"	Status (indicate if "in process" or "completed")	Supplementary information
Nothing to declare		

Form F Status of programs for destruction of APMs

Article 7.1 "Each State Party shall report to the Secretary-General ... on:
f) The status of programs for the destruction of anti-personnel mines in accordance with Articles 4 and 5, including details of the methods which will be used in destruction, the location of all destruction sites and the applicable safety and environmental standards to be observed."

State [Party]: Slovakia reporting for time period from 3 December 1997 to 30 November 1999

1. Status of programs for destruction of stockpiled APMs (Article 4)

Description of the status of programs: The Slovak Republic has begun the dismantling of stockpiled APMs in August 1999. There have been 107 781 APMs dismantled in the period of August 1999 - November 1999. There are 72 279 APMs more to be dismantled in next three years (in accordance with the Ottawa Treaty).	**Details of:**
Location of destruction sites Military Repair Enterprise 015 s.e. NOVÁKY	
Non-destructive Mines are dismantled and basic components are reutilized in industry.	**Methods**
Safe method In accordance with the safety standards applicable in the Slovak Republic.	**Applicable safety standards**
The method is environment-friendly in accordance with applicable standards of the Slovak Republic. There are no debris during the mines dismantling. All material is reutilized. The method has no impact on the environment.	**Applicable environmental standards**

2. Status of programs for destruction of APMs in mined areas (Article 5)

Description of the status of programs including:	**Details of:**
Location of destruction sites	**Methods**
Nothing to declare	**Applicable safety standards**
	Applicable environmental standards

Form G APMs destroyed after entry into force

Article 7.1 "Each State Party shall report to the Secretary-General ... on:
g) The types and quantities of all anti-personnel mines destroyed after the entry into force of this Convention for that State Party, to include a breakdown of the quantity of each type of anti-personnel mine destroyed, in accordance with Articles 4 and 5, respectively, along with, if possible, the lot numbers of each type anti-personnel mine in the case of destruction in accordance with Article 4"

State [Party]: Slovakia reporting for time period from 1 August 1999 to 30 November 1999

1. Destruction of stockpiled APMs (Article 4)

Type	Quantity	Lot # (if possible)	Supplementary information
AP-S-M	87 222	---	SEE ANNEX 2 Annex2&3.pdf
AP-C-M 1	20 559	---	SEE ANNEX 3
TOTAL			

2. Destruction of APMs in mined areas (Article 5)

Type	Quantity	Supplementary information
Not applicable		
TOTAL		

Form H Technical characteristics of each type produced/owned or possessed

Article 7.1 "Each State Party shall report to the Secretary-General ... on:
h) The technical characteristics of each type of anti-personnel mine produced, to the extent known, and those currently owned or possessed by a State Party, giving, where reasonably possible, such categories of information as may facilitate identification and clearance of anti-personnel mines; at a minimum, this information shall include the dimensions, fusing, explosive content, metallic content, colour photographs and other information which may facilitate mine clearance"

State [Party]: Slovakia reporting for time period from 3 December 1997 to 30 November 1999

1. Technical characteristics of each APM-type produced

Type	Dimensions	Fusing	Explosive	content	Metallic content	Colour photo attached	Supplementary information to facilitate mine clearance.
			type	grams			
Not applicable							

2. Technical characteristics of each APM-type currently owned or possessed

Type	Dimensions	Fusing	Explosive	content	Metallic content	Colour photo attached	Supplementary information to facilitate mine clearance.
			type	grams			
AP-S-M and AP-S-M II	D 101 mm	Ro-8 igniter Ro-8 II igniter	TNT	325 gr	2 800 gr	No	SEE ANNEX 4 and FIG.1 and 2 Annex4&5.pdf Fig1&2.pdf
AP-C-M 1	91,5 x 71,5 x 47,0 (mm)	point-detonator	TNT	102 gr	3 gr	No	SEE ANNEX 5 and FIG.3 and 4 Fig3&4.pdf

Form I Measures to provide warning to the population

Article 7.1 "Each State Party shall report to the Secretary-General ... on:

i) The measures taken to provide an immediate and effective warning to the population in relation to all areas identified under paragraph 2 of Article 5."

Remark: In accordance with Article 5, para.2: "Each State Party shall make every effort to identify all areas under its jurisdiction or control in which anti-personnel mines are known or suspected to be emplaced and shall ensure as soon as possible that all anti-personnel mines in mined areas under its jurisdiction or control are perimeter-marked, monitored and protected by fencing or other means, to ensure the effective exclusion of civilians, until all anti-personnel mines contained therein have been destroyed. The marking shall at least be to the standards set out in the Protocol on Prohibitions or Restrictions on the Use of Mines, Booby-Traps and Other Devices, as amended on 3 May 1996, annexed to the Convention on Prohibitions or Restrictions on the Use of Certain Conventional Weapons Which May Be Deemed to Be Excessively Injurious or to Have Indiscriminate Effects".

State [Party]: Slovakia reporting for time period from 3 December 1997 to 30 November 1999

NOT APPLICABLE

Form B **Stockpiled anti-personnel mines**

Article 7. 1 "Each State Party shall report to the Secretary-General ... on:

b) The total of all stockpiled anti-personnel mines owned or possessed by it, or under its jurisdiction or control, to include a breakdown of the type, quantity and, if possible, lot numbers of each type of anti-personnel mine stockpiled."

State Party: **SLOVAKIA** reporting for time period from 03 DECEMBER 1997 to 30 NOVEMBER 1999

Type	Quantity	Lot # (if possible)	Supplementary information
AP - S – M	72 279 + 7000 mines (Article 3)	/	SEE ANNEX 1 Information about 7000 mines in accordance with Article 3 are provided in form D

ANNEX 1

Type AP - S - M	**Series / Year of production**	**Quantity (pcs)**
	0/0	1
	6/52	9
	10/53	3
	29/53	30
	51/53	97
	52/53	354
	54/53	33
	61/53	1
	62/53	391
	67/53	24
	1/54	83

	6/54	5004
	7/54	60
	18/54	161
	30/54	7
	32/54	5004
	33/54	5004
	34/54	5004
	36/54	5004
	38/54	62
	39/54	24
	40/54	12
	41/54	944
	42/54	462
	47/54	5004
	49/54	5004
	50/54	5004
	51/54	5004
	52/54	5004
	53/54	5004
	54/54	5004
	55/54	5004
	58/54	3881
	61/54	12
	62/54	18
	63/54	524
	64/54	18
	65/54	12
	1/57	4
Total :		72 279

Form G **APMs destroyed after entry into force**

Article 7.1 "Each State Party shall report to the Secretary-General ... on:

g) The types and quantities of all anti-personnel mines destroyed after the entry into force of this Convention for that State Party, to include a breakdown of the quantity of each type of anti-personnel mine destroyed, in accordance with Articles 4 and 5, respectively, along with, if possible, the lot numbers of each type anti-personnel mine in the case of destruction in accordance with Article 4"

State Party: **SLOVAKIA** reporting for time period from 01 AUGUST 1999 to 30 NOVEMBER 1999

1. Destruction of stockpiled APMs (Article 4)

Type	Quantity	Lot # (if possible)	Supplementary information- Series/ Year of production
AP – S – M	87 222	—	SEE ANNEX 2
AP – C – M 1	20 559	—	SEE ANNEX 3

ANNEX 2

Type AP – S – M	**Series/ Years of production**	**Quantity (pcs)**
	35/54	5 004
	25/54	5 004
	23/54	6 448
	20/54	4 908
	5/54	5 010
	4/54	4 498
	3/54	5 004
	2/54	1 222
	37/53	4 604
	57/54	8 884
	8/54	511
	59/54	3 508
	24/57	278

	1/56	330
	2/56	424
	48/54	5 004
	46/54	5 004
	44/54	2 412
	43/54	3 420
	37/54	3 000
	31/54	3 954
	56/54	5 005
	60/54	3 786
Total:		**87 222**

ANNEX 3

Type AP- C –M 1	**Series/ Year of production**	**Quantity (pcs)**
	1/88	800
	2/89	2 400
	3/89	4 390
	8/90	410
	1/89	900
	7/89	300
	4/90	721
	5/90	21
	4/89	2 800
	6/90	4 000
	8/90	1 758
	9/90	1 200
	–	859
Total:		**20 559**

Form H (continued)

2. Technical characteristics of each APM-type currently owned or possessed

Type	Dimensions	Fusing	Explosive content		Metallic content	Colour photo attached	Supplementary information to facilitate mine clearance.
			type	grams			
AP - S - M and AP – S – M II	Ø 101 mm	Ro-8 igniter Ro-8 II igniter	TNT	325 gr	2 800 gr	No	SEE ANNEX 4 and FIG. 1 and 2
AP - C - M 1	91,5 x 71,5 x 47,0 (mm)	point-detonator	TNT	102 gr	3 gr	No	SEE ANNEX 5 and FIG. 3 and 4

ANNEX 4

Antipersonnel shell mine AP-S-M and AP-S-M II (see figure 1 und 2) is from its character a pressure contact mine(AP-S-M activated by Ro-8 igniter and AP-S-M II activated by Ro-8 II igniter), which has got medium up to high resistance against overpressure at the head of shock-wave. The only difference between the AP-S-M and AP-S-M II construction is the placement of thread responsible for screwing the igniter. The screw igniter thread of AP-S-M is located in the inner connecting tube (inner thread), while the screw igniter of AP-S-M II is placed on the outer diameter of the connecting tube (outer igniter). Except those mentioned, the whole construction of both mines is the same. **These mines can be found by means of a metal mine detector.**

Antipersonnel shell mines can be placed into a mine field exclusively through hand placement(planted).

Antipersonnel shell mines can be used as:

a) contact mines, activated by Ro-8, or Ro-8 II igniter.
b) mines connected to a trap wire, activated by a double way coupling with two Ro-1, or Ro-10 igniters.
c) mines controlled through an electric mine launching device placed in controlled mine fields, activated by fuse P-1, or P-2.
d) shell mines with single-ended, or double-ended trap wire, activated by Ro-1, or Ro-10 igniter that is screwed into the detonator´s tube.

Tactical and technical data

-overall weight of mine without igniter.....3,25 kg
-mine diameter.....101 mm
-mine heigths.....152 mm
-diameter of activated zone during activation
by Ro-8, or Ro-8 II igniter.....30 mm
-diameter of activated zone during activation
by Ro-1, or Ro-10 igniter.....10 mm
-activated mine strenght, activated
by Ro-8, or Ro-8 II igniter higher than.....30 N
-activation traction strenght within trap wire in a mine activated
by Ro-1, or Ro-10 igniter higher than.....40 N
-resistance of mine with Ro-8, or Ro-8 II igniter
against overpressure at head of shockwave.....0,19 till 0,39 MPa
-resistance of mine with Ro-1, or Ro-10 igniter
and trap wire against overpressure at the head of shockwave.....0,01 MPa
-resistance of mine with P-1, or P-2
detonator against the overpressure at the head of shockwave.....0,35 MPa
-bursting mine charge(TNT-flaky).....325 g
-weight of ulnar cover with six mines.....27,5 kg
-ulnar cover parameter.....500x275x172 mm

Description

Antipersonnel shell mine (see figure 1 and 2) consists of outer(4) and inner(16) jacket, cover(15) and base, which are contracted with each other through the connecting tube(19) and a matrix. The space between outer and inner jacket is filled with mince steel(20). The mine case is put into a steel diaphragm(3), its rim sealed and being waterproof. The mine cover has got 3 openings. The head of connecting tube with inner and outer thread, on which the matrix and cap is screwed, goes through the opening in the middle of mine. The cap being unscrewed, the igniter is screwed on during the activation of mine(Ro-8, Ro-1, Ro-10 igniters and elect.detonator P-2 are screwed on to the inner thread, while Ro-8 II igniter and steel cap for mine activation by elect. detonator P-1 are screwed on to the outer thread). The filling hole closed by a bigger screw(14) serves to fill in the blasting agent. On the other side of the connecting tube (19), there is a smaller screw(1) closing the opening of the detonation tube.

The inner space of the mine case is filled with a blasting agent. The connecting tube in which a delayer(17) and an expelling charge(18) is inserted(2,5 g of pressed black powder in a tube made of plastic, or aluminium), passes through the base of mine case and is open in the lower part. The delayer and expelling charge are mutually fixed. The opening with the smaller screw(1) is joined by the detonation tube.(5) The detonator Ž(7) is firmly plugged into its lower part. The screw Nr. 1 of the detonation tube is equipped with a pin(2) pushing the detonator Ž(21) to the igniter Ž(7). The lower part of the detonation tube is connected with the activating igniter casing(10), which is placed into the base of the mine case.

The activating igniter consists of a jacket(10) in which the inserted striker nut(8) with striker spring(9) and gun peg(12) are placed in. The striker nut of the igniter is fixed in a striking position by two retaining balls(11), which are being turned to the side through the gun peg, which is connected to the activation wire(13)- having the length of 1 m, folded in slings and the second head of it being fixed to a catch disc that is connected to the base of the diaphragm.

Antipersonnel shell mine presents an inseparable unit. Except the Ž fuse insertion into the detonation tube and the process of screwing on the igniter(or other way of mine activation), no other handling, or forced opening and mine disassembly is allowed.

ANNEX 5

Antipersonnel contact mine **AP-C-M 1** (see figures 3 and 4) is from its nature a pressure explosive contact mine, less resistable against overpressure at the head of shockwave.

This type of mine is not identifiable by means of an metal mine detector. Antipersonnel contact mine is determined for mining terrain, against the hostile personnel strenght and wheeled vehicles. The mine is mainly specified for quick surface mechanized planting from vehicles and helicopters. Concerning mechanized planting, the mines are being placed into steel ZM-Na1 containers. The construction of the mine enables surface and undersurface manual planting.

The activation of the mine follows after it has been locked-off by the impact of activation strenght counting 50 till 250 N on both activation surfaces concurrently(e.g.: caused through a step on a mine). Compressing both activation surfaces towards the middle of the mine, the tip of the striker´s needle and the functional surface point-detonator fuse draw near. At the same time in the striker´s part of the mine causes a push of a springer striker and a breakage of its shoulders. The striker is thrown by the power of the springer towards the point-detonator fuse and causes its activation. The fuse detonates and leads the priming charge and the whole bursting charge of the mine to a detonation.

Tactical and technical data

- overall weight of mine.....0,171 kg
- bursting charge weight(TNT).....0,102 kg
- maximum length of mine.....91,5 mm
- mine width.....71,5 mm
- mine heights.....47,0 mm
- activation strength.....more than 50,0 N
- time delay in range from locking off till the actual activation of mine.....5 to 20 s.
- resistance of mine against overpressure at the head of shockwave.....0,011 MPa
- mine functioning in temperature range..... from +40 C to - 30 C
- 100 mine package weight.....:20,0 kg
- external parameters of cover.....600x423x262 mm
- 100 mine container weigth.....44,0 kg
- external size of container.....448x402x262 mm

Description

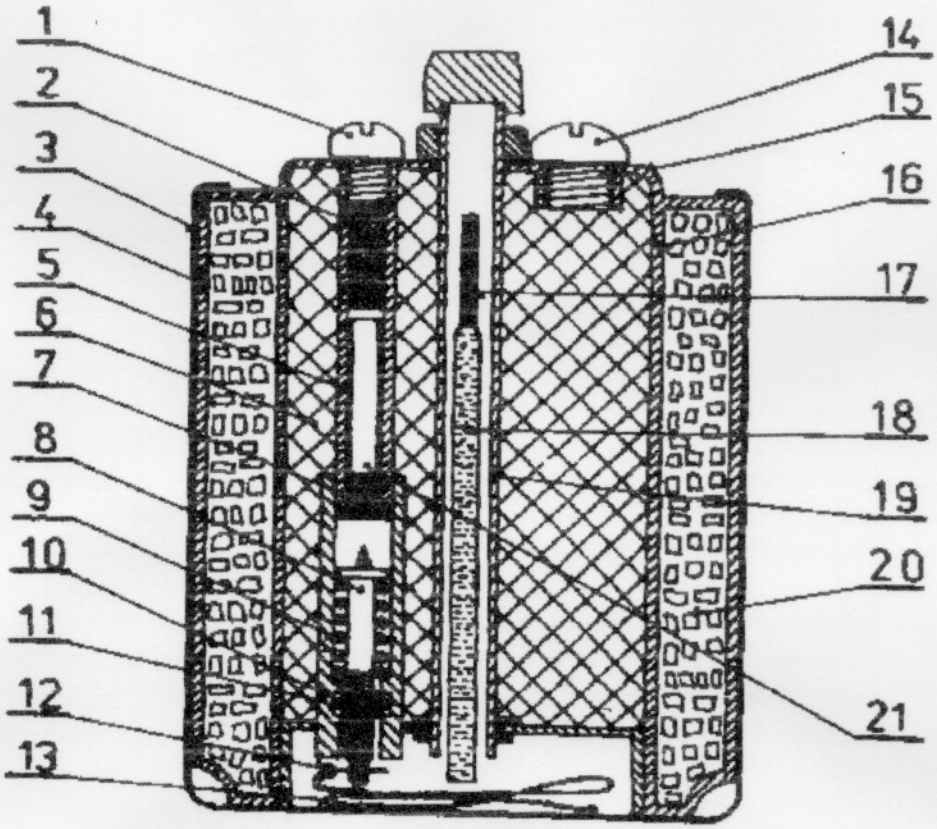
Antipersonnel contact mine (see figures 3 and 4). The mine case(1) is made of plastic and it presents the cover for the blasting charge(2). The mine has two opposite activation surfaces(15). The lower part contains of a placed priming charge(3) and a point-detonator fuse(4). The striker(5) and the springer (6) is placed in the upper part. For securing the mine a safety catch, an inseperable componet of mine, is being used. The safety catch consists of these parts: safety catch plotter(7), pin´s cap of safety catch(8), safety catch case(9), springer of safety catch(10), rubber sucker(11), which after mine activation has the function of time safety catch, cushion filler(12), safety catch wing(13) serving for manual securing and mine activation and press safety catch(14), which in the position where the mine is deactivated does not allow their compression neccesary for the mine functioning during the activation strength impact on the activation surface(15).

Antipersonnel contact mine presents an inseperable unit. Except the manipulation with the safety catch, no other manipulation or forced opening(disassembly) of the mine is allowed.

The safety catch has two positions: locked-locked off, which are specified by the position of the safety catch wing. During the position"locked", the wing position is vertically placed towards the mine activation surfaces. The system of locking is best shown on the picture in annex 4, where the safety catch plotter (7) interferes between the point of the springer needle(5) and the point detonator fuse(4). At the same time the press safety catch(14) does not allow the compression of activating surfaces, necessary for mine functioning. After being locked off, that means turning the wing 90 grades to the position parrallel with activating surfaces of mine, a release of cushion filler(12) from the rubber sucker(11) will take place in the time range of 5 to 20 seconds as a result of safety catch springer impact. The safety catch releases the space between the striker and the point-detonator fuse. At the same time the press safety catch, that prevented the compression of the mine activating surfaces, is being pushed(14).

Příloha kor. 142
č.j. 170479/0801
číslo elektronicky.

FIGURE No 1:
RELATING TO ANNEX 4



AP - 5 - M

FIGURE No 2

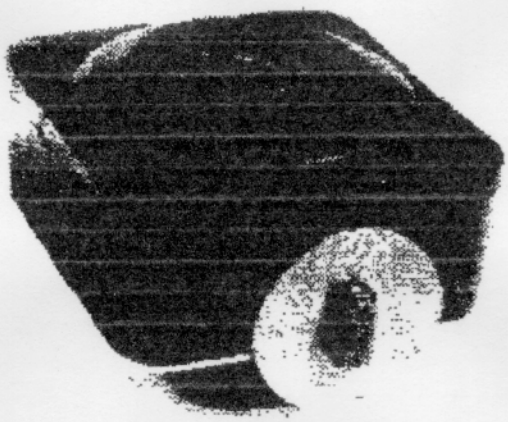
RELATING TO ANNEX 4

AP-S-M WITH Ro-8.

AP-S-M WITH TWO Ro-1(Ro-10)

FIGURE No 3

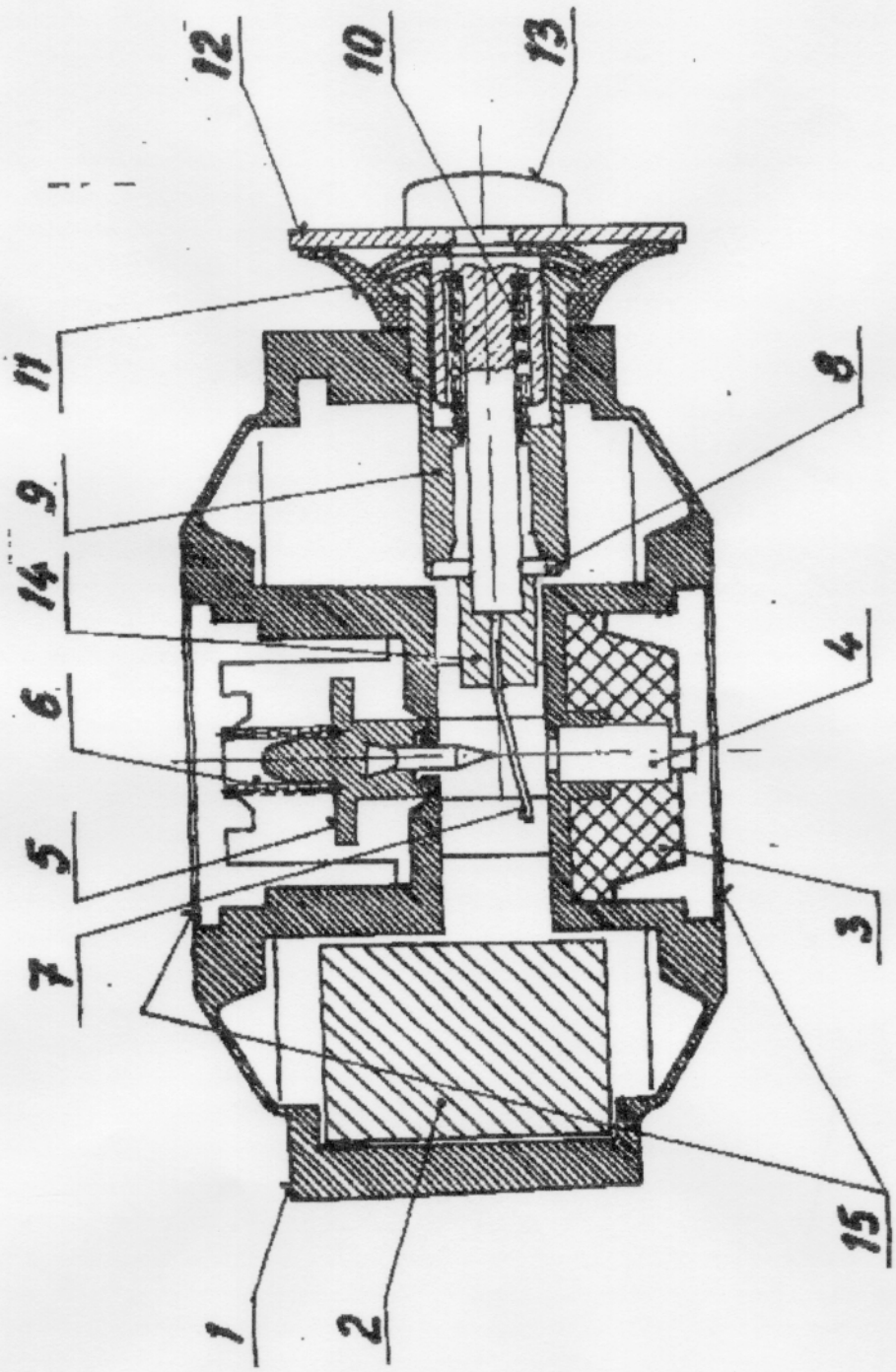
RELATING TO ANNEX 5



AP-C-M1

FIGURE No 4

RELATING TO ANNEX 5



AP - E - M1