

AIR FORCE HEAD-QUARTERS

JAPANESE AMMUNITION & PYROTECHNICS

I N T R O D U C T I O N

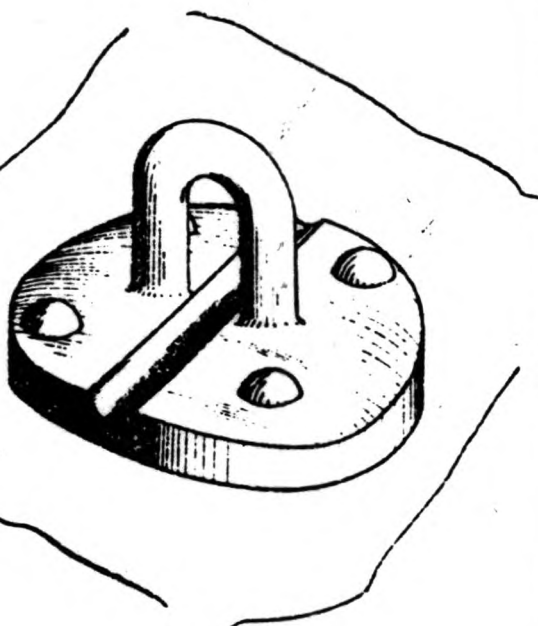
1. This publication is issued primarily for the information and guidance of R.A.A.F. Bomb Disposal Squads, who are solely responsible for the actual disposal of enemy bombs, mines, ammunition, pyrotechnics and booby traps in R.A.A.F. controlled areas.
2. Leaflets containing incomplete information must be regarded as provisional, the details having been extracted from captured documents, and/or based on the reconstruction of exploded specimens, any such information will however serve to indicate the existence of such items.
3. Incomplete or meagre information contained in any leaflet will by virtue of its incompleteness, advise of the particular item on which further details are required and in some measure assist in identification.

ISSUED BY DIRECTORATE OF ARMAMENT

DATE OF ISSUE:

BOMB SUSPENSION METHODS

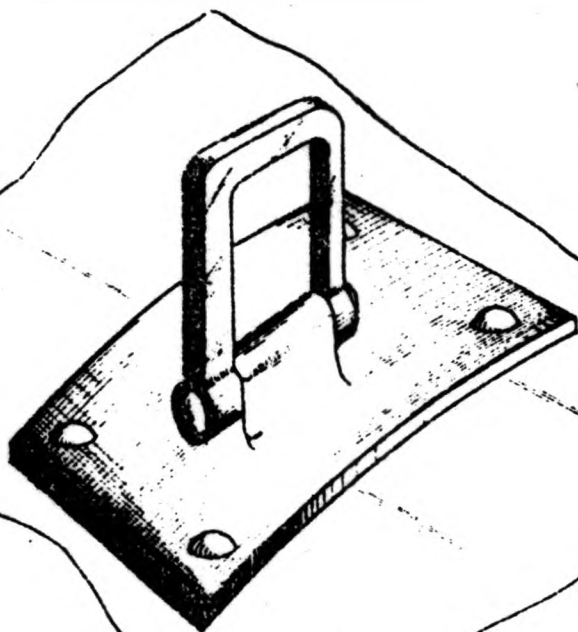
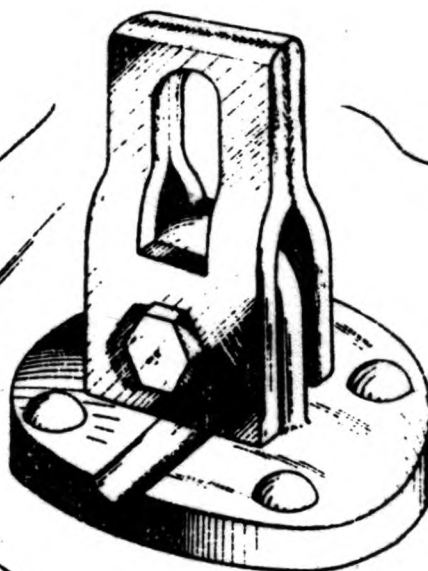
NAVY SUSPENSION LUG



NAVY SUSPENSION BANDS

BAND FOR
250 KG. BOMBBAND FOR
500 KG. BOMBBAND FOR
800 KG. BOMB

ARMY SUSPENSION LUG

ARMY SUSPENSION LUG ATTACHMENT
WHEN USING NAVY BOMBS

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LEAFLET NO.

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LEAFLET NO.

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20/60	BOMB, H.E. A.R. AIRCRAFT 200 KG.	- Experimental, 200 KG. A.R. Bomb
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25/20	BOMB H.E. AIRCRAFT 250 KG	- Type No. 25, Ordinary Model 2.
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25/30	BOMB H.E. AIRCRAFT 250 KG	- Type 1, Mark 3, No. 25
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25/65	BOMB H.E. AIRCRAFT 250 KG.	- Type 3, No. 25, Mark ³¹ 38 Model 1
25/70	BOMB H.E. AIRCRAFT 250 KG.	- Type 4, 250 KG Skipping Bomb

BOMB H.E. AIRCRAFT - 50 KG.1. JAPANESE NOMENCLATURE

Type 94

2. BRANCH OF SERVICE

Army Air Force

3. USE

General purposes.

4. FUZING

Nose A. 2 (A) A. 2 (B), A. 2 (C), A. 2 (A), D. 5 (A)

Tail B. 1 (A), B. 1 (B)

The following fuze is now used, but to date no specimens have been recovered.

Type 3 Tail Fuze.

5. DETAILS

Length Overall.....3'6 3/8"

Length of body.....2'0 1/8"

Diameter.....7 1/8"

Width diagonally across tail fins.....9 3/4"

Wall thickness.....9/32"

Weight complete.....100lbs.

Weight of filling.....42lbs.

Main filling.....3 cast picric blocks (Lyddite) wrapped
in waxed paper and beeswax and separated by cardboard discs.

Colour.....Black

Markings.....Red band around
nose. Yellow and white
bands around body.
50 KG stencilled on body.

6. DESCRIPTION

(a) See drawing.

(b) The bomb consists of a cylindrical steel body, to which is screwed a cast steel nose. The nose is prevented from unscrewing by means of a grub screw. A conical shaped tail unit with four fins and stabilisers is welded to the other end of the body. To the apex of the tail cone is welded an adaptor, screwed internally to receive a fuze. A hinged suspension lug is rivetted at the point of balance.

7. ACTION

Depending on fuze selection.

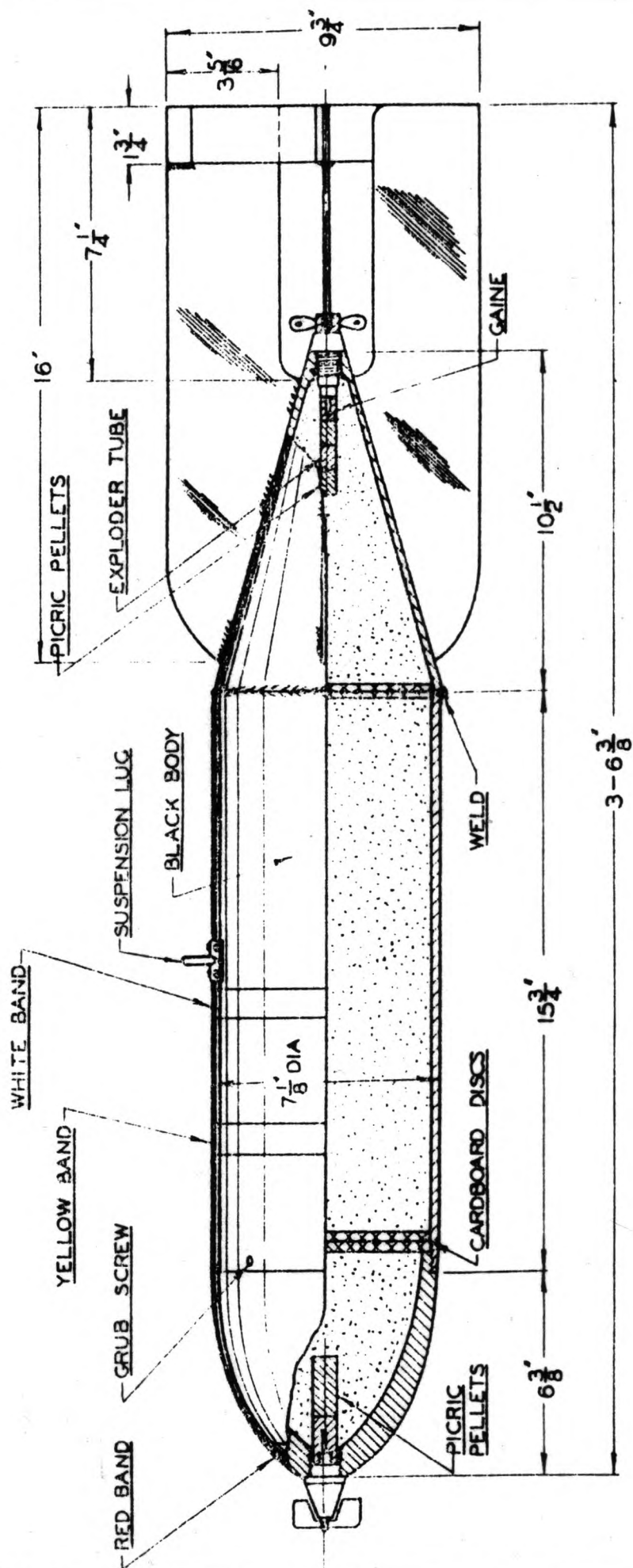
8. DISPOSAL PROCEDURE

When demolition in situ is impracticable, render the fuze safe, and remove to a suitable area for disposal.

9. SPECIAL PRECAUTIONS

BOMB H.E. AIRCRAFT ARMY 50 K.G.

TYPE 94



BOMB H.E. AIRCRAFT 50 KG1. JAPANESE NOMENCLATURE

Type 94 (modified)

2. BRANCH OF SERVICE

Army Air Force

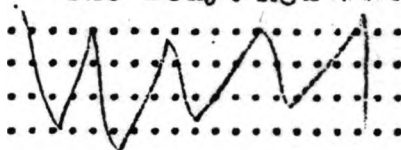
3. USETo impede operations and neutralise ~~airfields~~ airfields.4. FUZZING

Nose C. 3 (A)

Tail B. 1 (A), B. 1 (B) (When C. 3 (A) is not fitted in nose).

5. DETAILS

Length Overall..... 3' 3 1/2"
 Length of body..... 1' 11 1/4"
 Diameter..... 7 1/8"
 Width diagonally across tail fins..... 9 3/4"
 Wall thickness..... 9/32"
 Weight complete..... 100 lbs.
 Weight of filling..... 43 lbs.
 Main filling.....
 Colour..... Black
 Markings..... One yellow band and one white band on the body. Red band on nose tip.

6. DESCRIPTION

(a) See drawing.

(b) This bomb is identical in construction to the type 94 - 50 KG bomb described in Section No. 5 Leaflet 5/00 excepting that the nose piece has been modified to receive the C. 3 (A) fuze and a resistance plate is welded over the end of the tail fins.

7. ACTION

On impact the Fuze C. 3 (A) will become armed and **initiate the** bomb after an indeterminate delay period..

8. DISPOSAL PROCEDURE

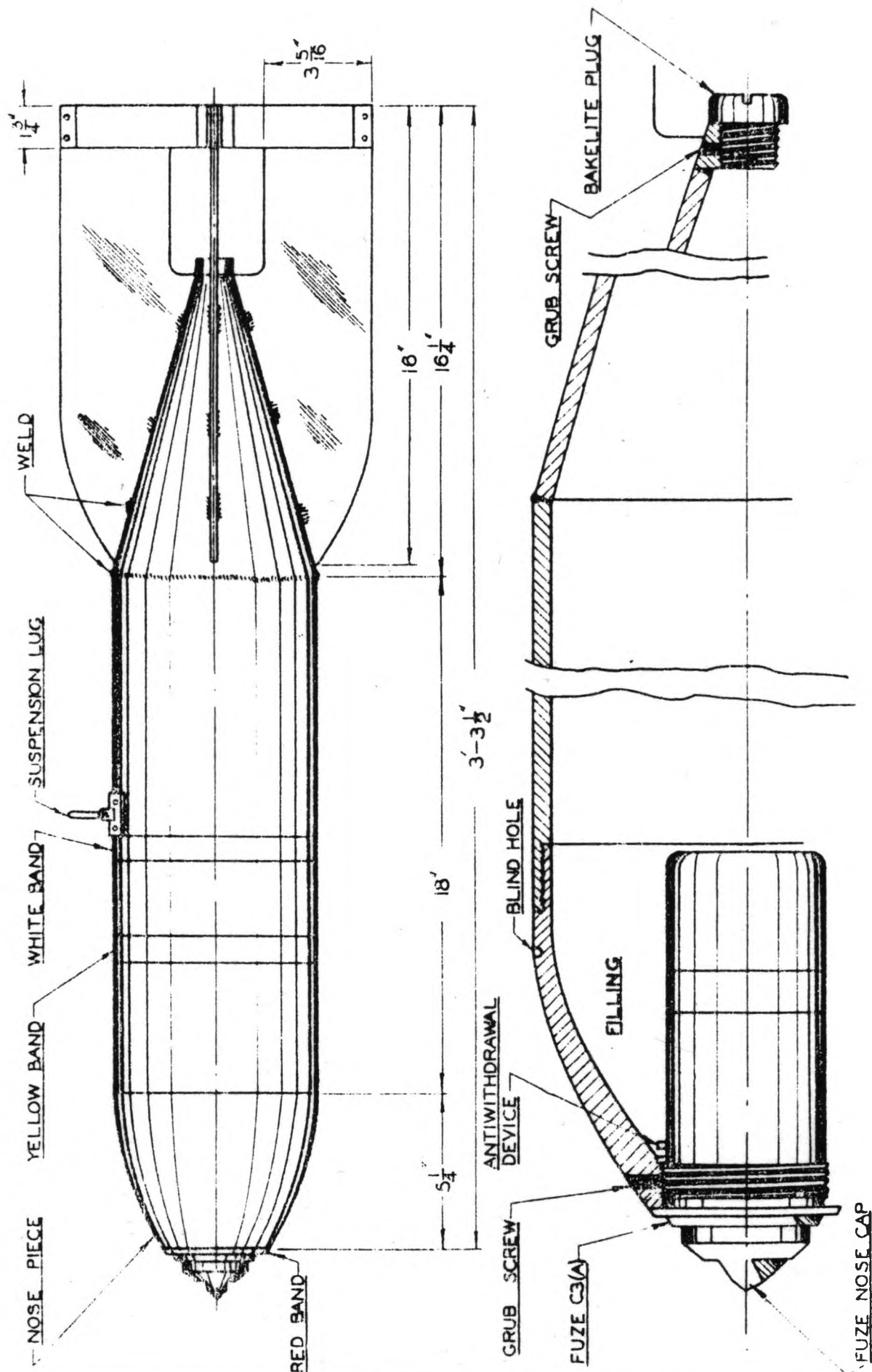
(a) Unscrew the nose cap of the C. 3 (A) fuze and determine whether the fuze is armed.

(b) When demolition in situ is impracticable, the bomb must be immediately removed to a suitable area or trench pending the expiry of the safety period of 125 hours.

9. PRECAUTIONS

BOMB H.E. AIRCRAFT ARMY 50 K.G

TYPE 94 (MODIFIED)



BOMB H.E. AIRCRAFT - 50 KG1. JAPANESE NOMENCLATURE

Type 1.

2. BRANCH OF SERVICE

Army Air Force

3. USE

Temporary neutralisation of airfields and cities.

4. FUZING

Nose C. 3 (A)

Tail E. 1 (A)

5. DETAILS

Length Overall.....

Length of body.....

Diameter.....

Width diagonally across tail fins.....

Wall thickness.....

Weight complete.....

Weight of filling.....

Main filling.....

Colour.....

Markingss.....

.....

.....

.....

.....

6. DESCRIPTION

No information available, but dimensions probably identical with type 94, excepting overall length, which is assumed one inch shorter.

7. ACTION

Functions after an indeterminate long delay period.

8. DISPOSAL PROCEDURE

(a) Remove nose cap of C. 3 (A) fuze and determine whether fuze is armed.

(b) When demolition in situ is impracticable remove the bomb to a suitable area or trench pending the expiry of the safety period of 125 hours.

9. SPECIAL PRECAUTIONS

BOMB, H.E. AIRCRAFT - 50 KG.. JAPANESE NOMENCLATURE

Type 3

. BRANCH OF SERVICE

Army Air Force

. USE

General purpose - Low level attacks, and air to air bombing, depending upon fuzing.

4. FUZING

Nose - A. 2 (A), A. 2 (B), A. 2 (C), A. 2 (D), D. 5 (A)

Tail - B. 1 (A), B. 1 (B).

Tail B. 7 (A) when used as a substitute anti-submarine bomb.

5. DETAILS

Length Overall.....

Length of body.....

Diameter.....

Width diagonally across tail fins....

Wall thickness.....

Weight complete.....

Weight of filling.....

Main filling.....

Colour.....

Markings.....

6. DESCRIPTION

Not available.

7. ACTION

Functions instantaneously, with short delay or as an aerial burst-bomb depending upon fuzing selected.

8. DISPOSAL PROCEDURE

When demolition in situ is impracticable, render the fuzes safe and remove to a suitable area for disposal.

9. SPECIAL PRECAUTIONS

BOMB H.E. AIRCRAFT - 60 KG. TYPE 97.1. JAPANESE NOMENCLATURE

Type 97, No. 6 Land, Modification 1.

2. BRANCH OF SERVICE

Navy Air Force

3. USE

General purpose bomb for use against land targets.

4. FUZING

Nose A. 3 (A)

5. DETAILS

Length Overall..... 3' 4"
Length of body..... 1' 9 7/8"
Diameter..... 7 7/8"
Width diagonally across tail fins..... 10 3/4"
Wall thickness..... 9/32"
Weight complete..... 126 lbs.
Weight of filling..... 50 lbs.
Main filling..... Mixture of Hexanite
and Anisol or Lyddite.
Colour..... Light Grey.
Markings..... Blue band around body. Thin red line
running longitudinally around bomb.
Green band around tail fins. Green band
on nose.
New Colour markings... Green/Brown, Grey, Grey.

6. DESCRIPTION

(a) See drawing.

(b) The bomb consists of a cylindrical steel body, to which a cast steel nose is rivetted or spot welded. A conical shaped steel tail piece is provided with four fins, and stabilizer bands, and rivetted to a junction ring which is attached to the other end of the body with screws.

7. ACTION

Depending upon gaine selection, will function instantaneously, or with fractional delay.

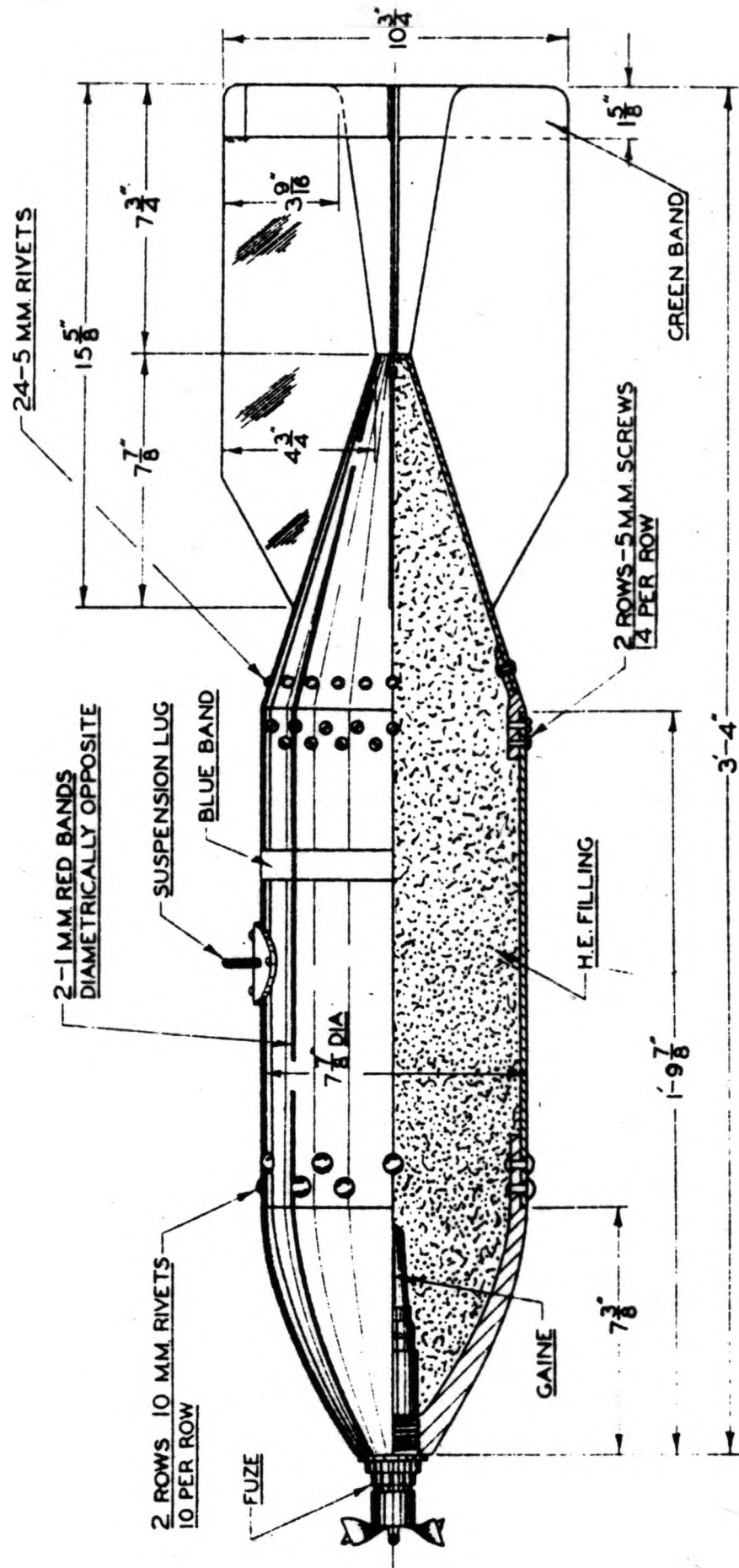
8. DISPOSAL PROCEDURE

When demolition in situ is impracticable, render the fuze safe and remove to a suitable area for disposal.

9. SPECIAL PRECAUTIONS

BOMB. H.E. AIRCRAFT 60 KG.

"TYPE 97 No.6. LAND. MOD. I."



BOMB H.E. AIRCRAFT - 60 KG1. JAPANESE NOMENCLATURE2. BRANCH OF SERVICE

Navy Air Force

3. USE

Presumed against land targets.

4. FUZZING

Nose A. 3 (A)

5. DETAILS

Length Overall.....	3' 3 7/8"
Length of body.....	1' 9 7/8"
Diameter.....	7 7/8"
Width diagonally across tail fins.....	Not known
Wall thickness.....	1/4"
Weight complete.....	63 KG
Weight of filling.....	Not known
Main filling.....	Lyddite
Colour.....	Grey
Markings.....	Thin red line running longitudinally around the bomb. Green band around stabilizer bands.

6. DESCRIPTION

(a) See drawing.

(b) This bomb consists of a cylindrical steel body to which a cast steel nose is rivetted and welded. A conical shaped tail unit with four fins, is rivetted and welded to the other end of the body. The ends of the fins are stabilized by a 1 5/8" steel strap.

7. ACTION

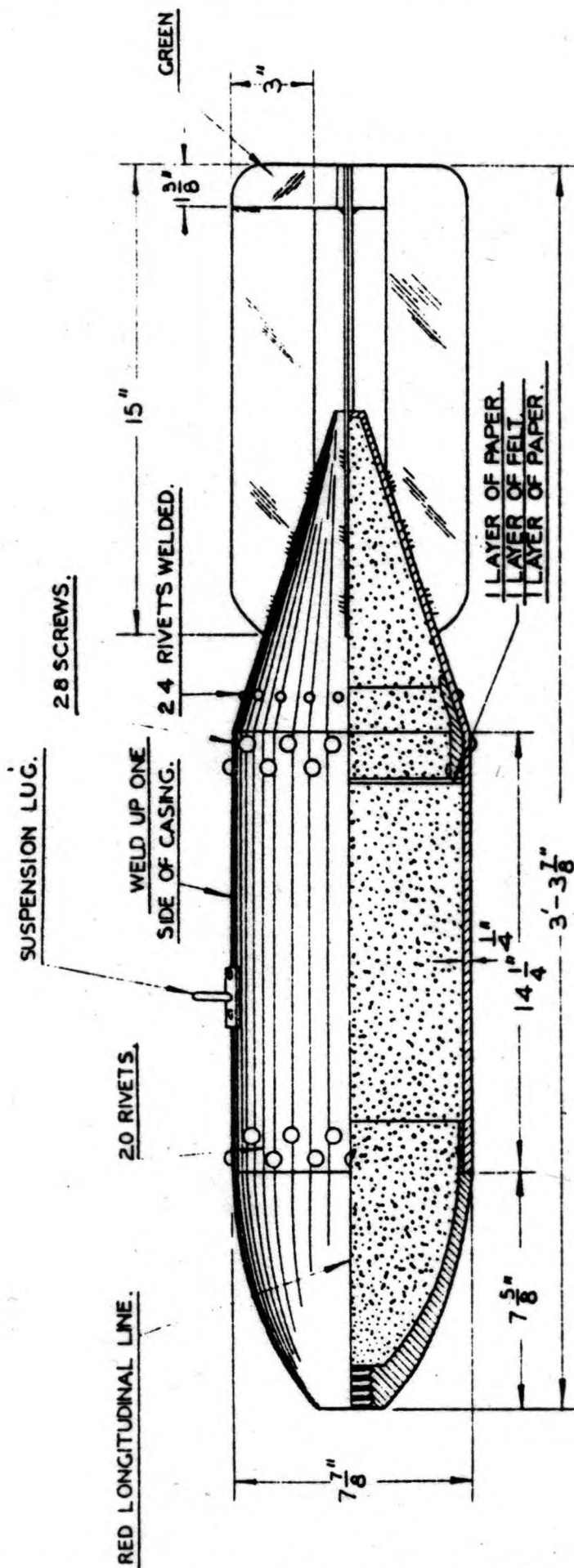
Functions instantaneously or with a delay, depending on the fuse selection.

8. DISPOSAL PROCEDURE

When demolition in situ is impracticable, render the fuse safe and remove to a safe area for disposal.

9. SPECIAL PRECAUTIONS

BOMB H.E.AIRCRAFT 60 K.G.



BOMB. H.E. - AIRCRAFT 60 KG1. JAPANESE NOMENCLATURE

Type No. 6, Ordinary.

2. BRANCH OF SERVICE

Navy, Air Force

3. USE

Against shipping

4. FUZZING

Nose A. 3 (A)

5. DETAILS

Length Overall.....	3' 6"
Length of body.....	2' 1"
Diameter.....	9"
Width diagonally across tail fins...	9 5/8"
Wall thickness.....	Not known
Weight complete.....	65 KG
Weight of fillings.....	30 KG
Main filling.....	Picric Acid
Colour.....	Grey
Markings.....	Wide green band around nose and tip of tail fins. Thin red line running longitudinally around bomb.
New colour and markings.....	Green/Brown, Grey, Grey.

.....

6. DESCRIPTION

(a) See drawing.

(b) The bomb body consists of a machine finished streamlined steel casting in which provision is made for nose fuzeing.

Screwed into the base of the bomb body is a base plate with a flange to which a light detachable conical tail unit with four fins is secured by a number of screws.

Two suspension lugs are fitted diametrically opposite at the point of balance.

7. ACTION

Upon impact the fuze functions instantaneously or with a delay, depending upon the fuze selection.

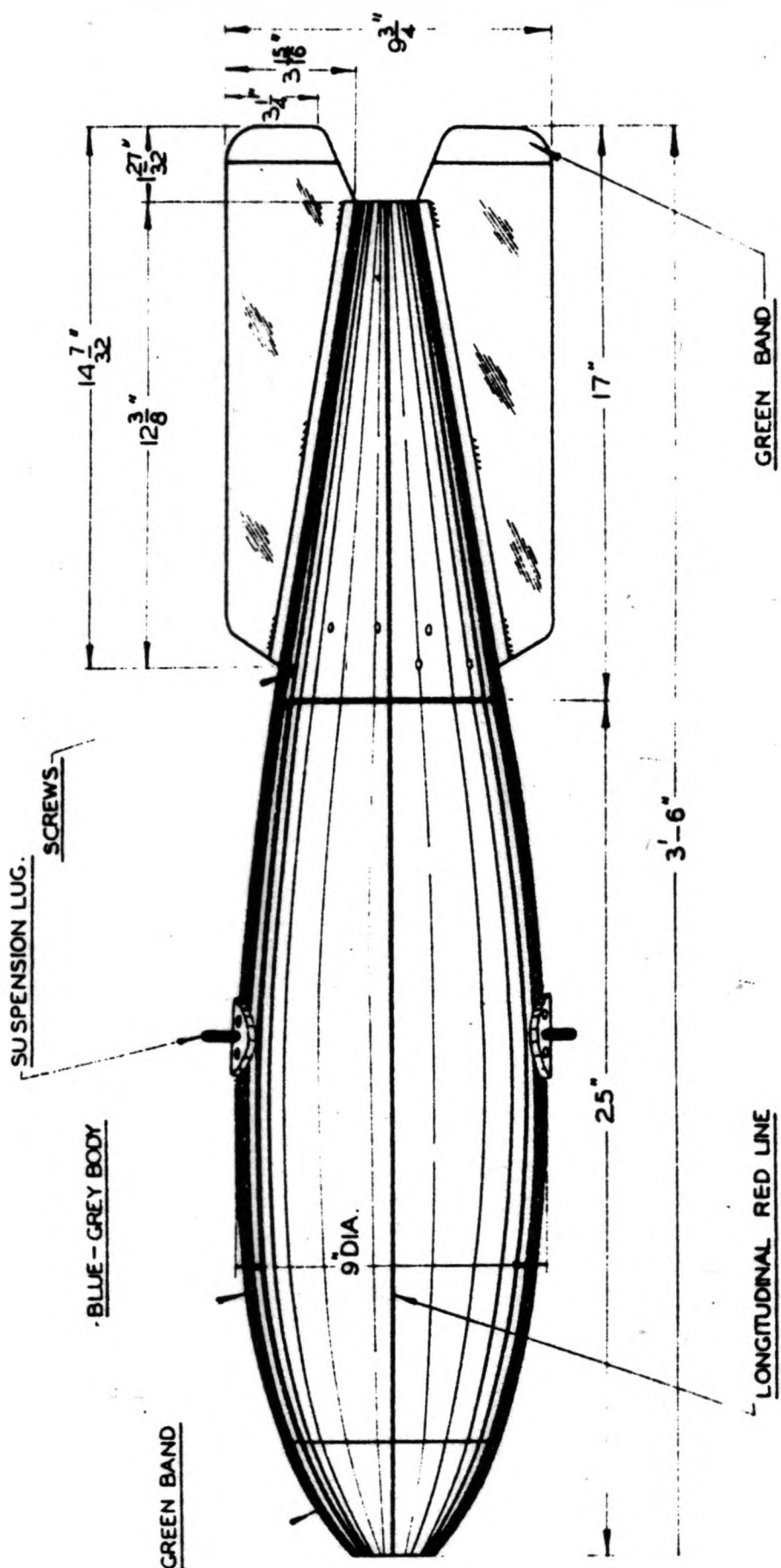
8. DISPOSAL PROCEDURE

When demolition in situ is impracticable, render the fuze safe and remove to a suitable area for disposal.

9. SPECIAL PRECAUTIONS

BOMB. H.E. AIRCRAFT 60 K.G.

"TYPE. Nº 6. ORDINARY."



BOMB, H.E. AIRCRAFT- 60 KG.

1. JAPANESE NOMENCLATURE

Type 3, Mark 23, No. 6, Model 1.

2. BRANCH OF SERVICE

3. USE

Temporary neutralisation of airfields and cities.

4. FUZING

Nose C. 2 (A)

5. DETAILS

Length Overall.....	3' 4 3/4"
Length of body.....	1' 9 7/8"
Diameter.....	7 7/8"
Width diagonally across tail fins.....	10 3/4"
Wall thickness.....	9/32"
Weight complete.....	65 KG. (approx.)
Weight of filling.....	23 KG.
Main filling.....	Picric Acid or Hexonite and Anisol
Colour.....	Light Blue (may be blue-grey)
Markings.....	Wide green band on nose and 1" wide brown band on "Kopfring".

6. DESCRIPTION

(a) See drawing.

(b) This bomb is identical in construction to the type 97 in Section No. 5, Leaflet No. 6/00, except for the following:-

(i) A "Kopfring" or resistance flange is welded around the nose to decrease the depth of penetration.

(ii) A resistance plate is welded over the ends of the tail fins to decrease the rate of descent.

7. ACTION

Upon impact the C. 2 (A) fuze commences to function on an unknown long delay period. Due to design, penetration should be reduced to such an extent that the bomb would generally come within the "unburied" category.

8. DISPOSAL PROCEDURE

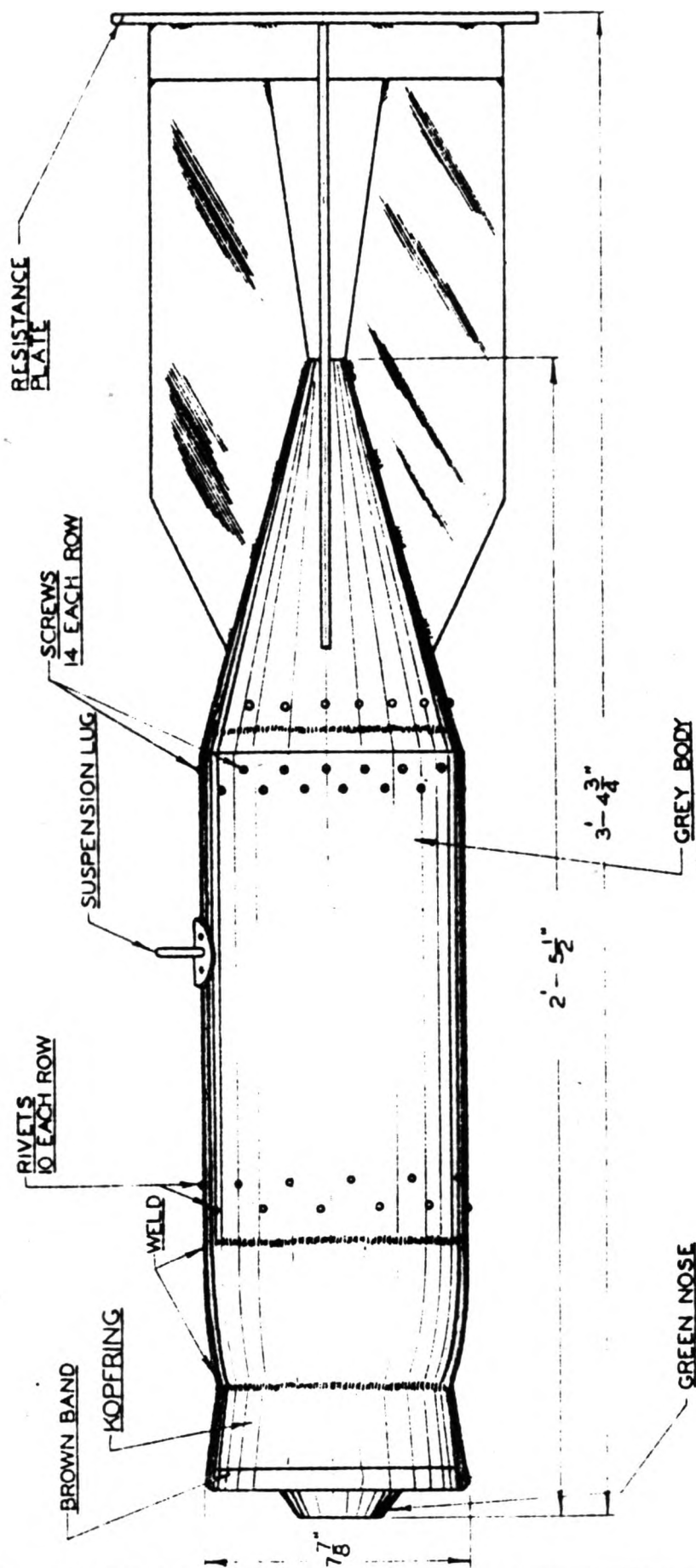
When demolition in situ is impracticable the bomb must be immediately removed to a suitable area or trench pending expiry of the safety period of 125 hours.

9. SPECIAL PRECAUTIONS

The minimum safety period of 125 hours must be allowed to elapse before demolition is commenced.

BOMB H.E. AIRCRAFT NAVY 60 K.G.

TYPE 2 MARK 23 NO.6 MODEL 1



BOMB, H.A. AIRCRAFT - 60 KG.1. JAPANESE NOMENCLATURE

Type 99, No. 6, Ordinary (Navy)
 Type 4, 60 KG, Anti-Vessel Bomb (Army)

2. BRANCH OF SERVICE

Navy Air Force (This bomb has been adopted by the Army Air Force for use against shipping. The Navy is responsible for supply to the Army).

3. USE

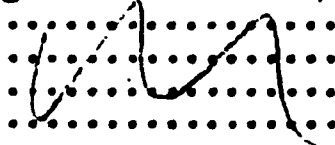
Anti-shipping, but may be used against land targets, where depth of penetration is required.

4. FUZZING

Nose A. 3 (A), Type O, Model 2, Mod. 1 (assumed later model of A. 3 series)

5. DETAILS

Length Overall.....	3' 7 3/4"
Length of body.....	2' 1 1/2"
Diameter.....	9"
Width diagonally across tail fins....	12 1/4"
Wall thickness.....	1/4"
Weight complete.....	63 KG
Weight of filling.....	32 KG
Main filling.....	Picric Acid
Colour.....	Grey
Markings.....	Green band around nose and stabilizer bands. Thin red line running longitudinally around bomb.
New Colour and markings.....	Green/brown, Grey Grey.

6. DESCRIPTION

The bomb body consists of a cylindrical machine finished steel casting. Screwed into the rear of the bomb is a base plate with a projecting spigot. A conical tail unit which is provided with four tail fins and stabilizing bands is attached to the spigot of the base plate with screws. A suspension lug is rivetted to the bomb body at the point of balance.

7. ACTION

Functions instantaneously or with short delay, but when used against shipping the type 99 ordinary bomb fuse (blue tip) is recommended for use. 0.03 seconds delay.

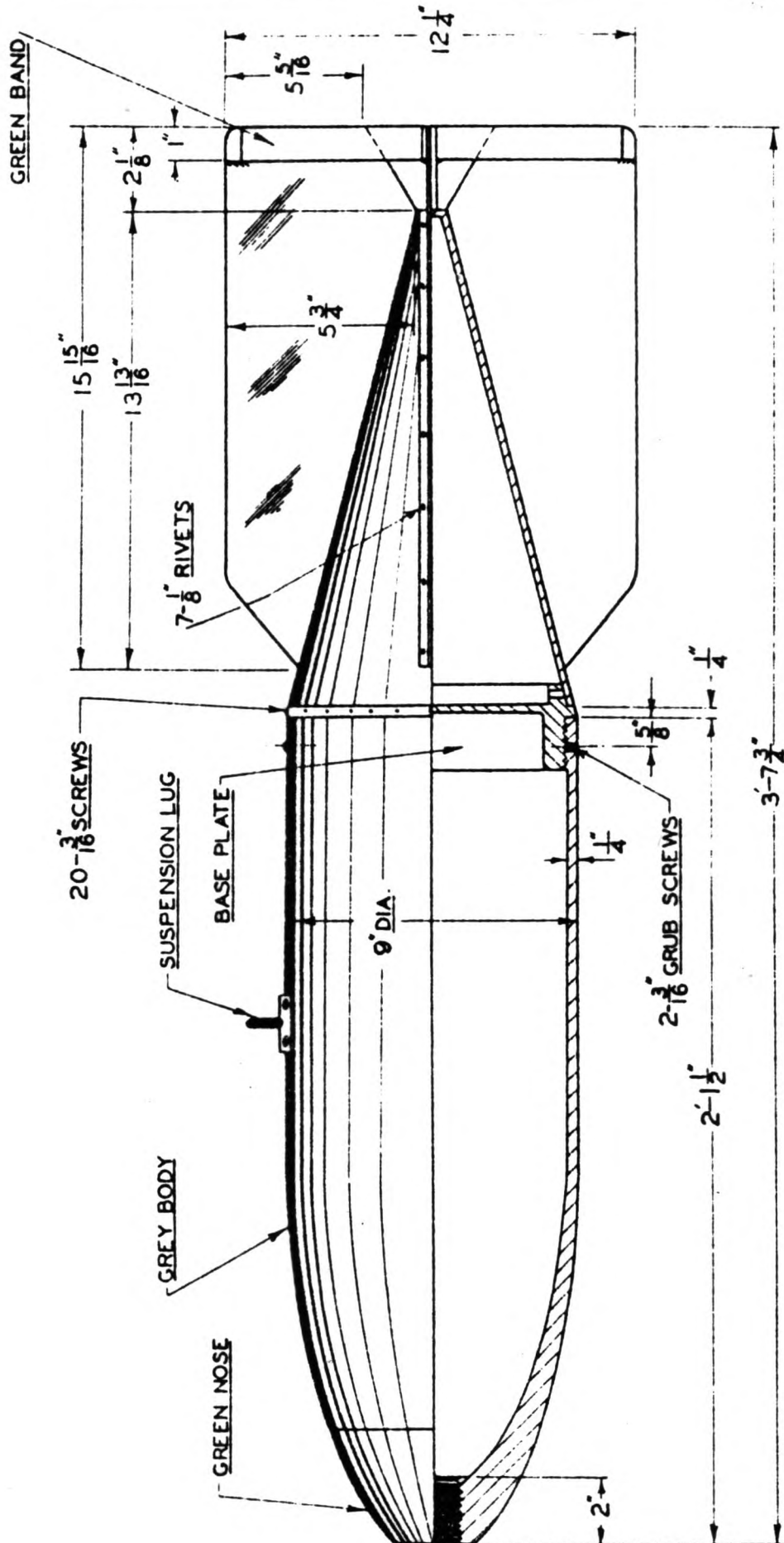
8. DISPOSAL PROCEDURE

When demolition in situ is impracticable, render the fuse safe and remove to a suitable area for disposal.

9. SPECIAL PRECAUTIONS

BOMB, H.E. AIRCRAFT 60 KG..

(NAVY) TYPE 99, No. 6, ORDINARY.-(ARMY) TYPE 4, ANTI-VESSEL BOMB.



BOMB H.E. AIRCRAFT - 60 KG

1. JAPANESE NOMENCLATURE

Type 99, No. 6, Mark 2 (Navy)
Type 4, 60 KG., Anti-Submarine (Army)

2. BRANCH OF SERVICE

Navy Air Force (This bomb has been adopted by the army for use against submarines. The Navy is responsible for supplies to the Army Air Force.

3. USE

Anti-Submarine, but may be used against land targets where maximum blast effect is desired.

4. FUZING

Nose A. 3 series.

5. DETAILS

Length Overall.....	3' 6 1/4"
Length of body.....	1' 9"
Diameter.....	9 3/8"
Width diagonally across tail fins....	13 1/4"
Wall thickness.....	1/8"
Weight complete.....	140 lbs.
Weight of filling.....	83.4 lbs.
Main filling.....	(Trinitroanisal 30% approx.) (Hexanitrodiphenylamine 70% approx (Type 98 explosive)
Colour.....	Grey
Markings.....	Green band around nose and blue adjoining.

6. DESCRIPTION

(a) See drawing..

(b) The bomb consists of a cylindrical steel body to which a cast steel nose is spot-welded. A conical shaped tail piece with four fins and two double sets of stabilizer bands, is welded to a junction ring which is attached to the rear end of the body, with screws. Two suspension lugs are rivetted diametrically opposite to one another at the point of balance.

7. ACTION

Upon impact the fuze functions instantaneously or with a short delay, depending on gain selection.

NOTE: Two delay gaines are specifically designed for use in conjunction with this bomb, but to date no specimens have been recovered. The gaines, Type 1, Mark 2, Models 5 and 6 are provided with delays 3.5 and 10 seconds respectively. The gaines recommended for use are:-
Type 1 Mark 2 (3.5 seconds delay)
or
Type 15 Ordinary (Variable 0 to 1.5 seconds delay)

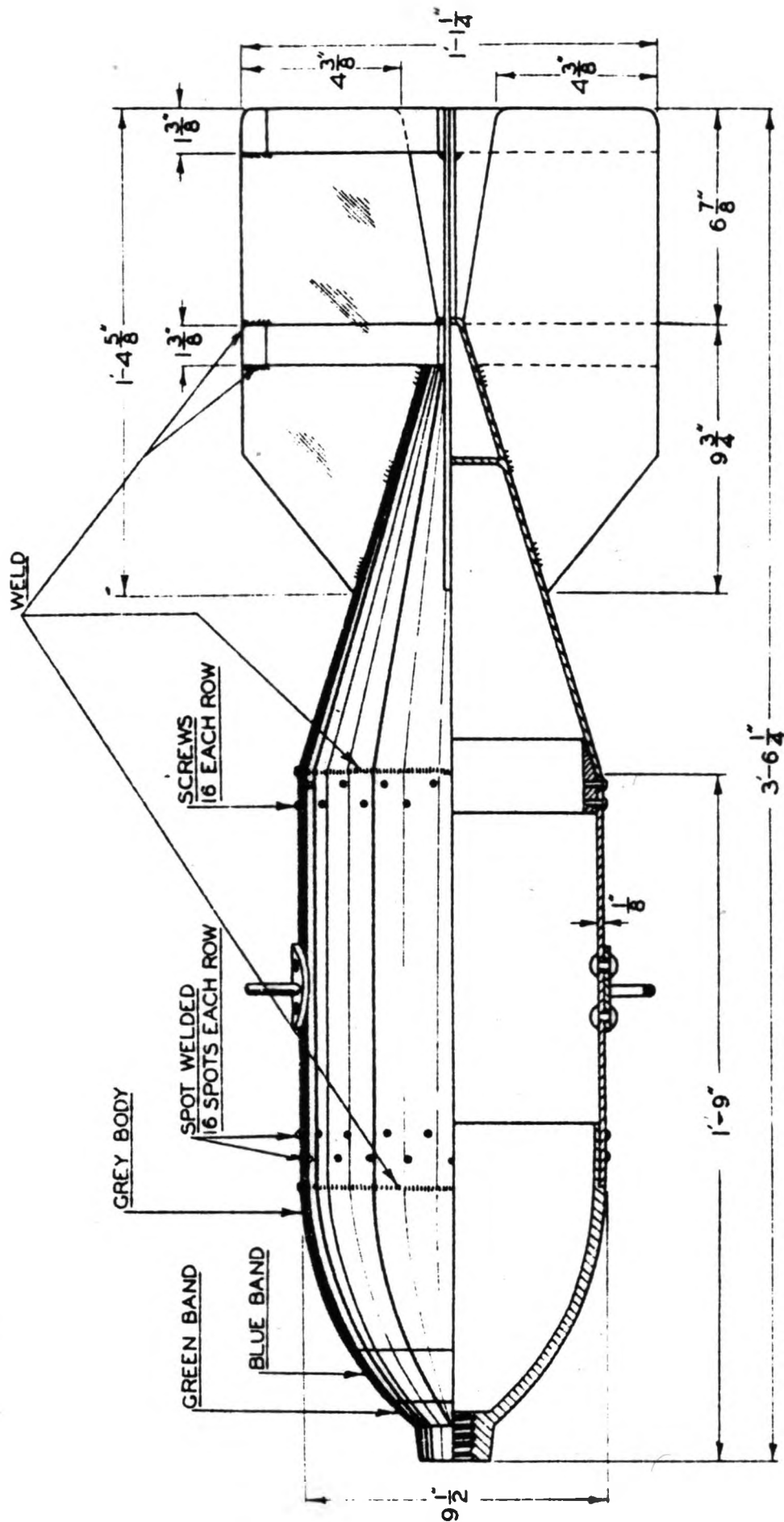
8. DISPOSAL PROCEDURE

When demolition in situ is impracticable the fuze is ^{to be} rendered safe and the bomb removed to a suitable area for disposal.

9. SPECIAL PRECAUTIONS

BOMB. H.E. AIRCRAFT 60 KG.

(NAVY) TYPE 99. MARK 2. No. 6.- (ARMY) TYPE 4. ANTI-SUB. BOMB.



BOMB, H.E. AIRCRAFT 60 K.G.1. JAPANESE NOMENCLATURE

Type 99, Mark 2, Mod. 1.

2. BRANCH OF SERVICE

Navy Air Force.

3. USE

Anti-submarine purposes.

4. FUZING

Nose - A1 or A3 Series.

5. DETAILS

Length Overall.....	3' 6 1/4
Length of body.....	1' 9"
Diameter.....	9 3/8"
Width diagonally across tail fins....	13 1/4
Wall thickness.....	1/8"
Weight complete.....	
Weight of filling.....	
Main filling.....	Type 98 Explosive
Colour.....	Grey
Markings.....	Green and blue band on nose.

6. DESCRIPTION

(a) See drawing.

(b) The body construction is identical with the Type 99 No. 6, Mark 2 described in Section 5, leaflet 6/50, excepting that an anti-ricochet ring is welded to the nose.

7. ACTION

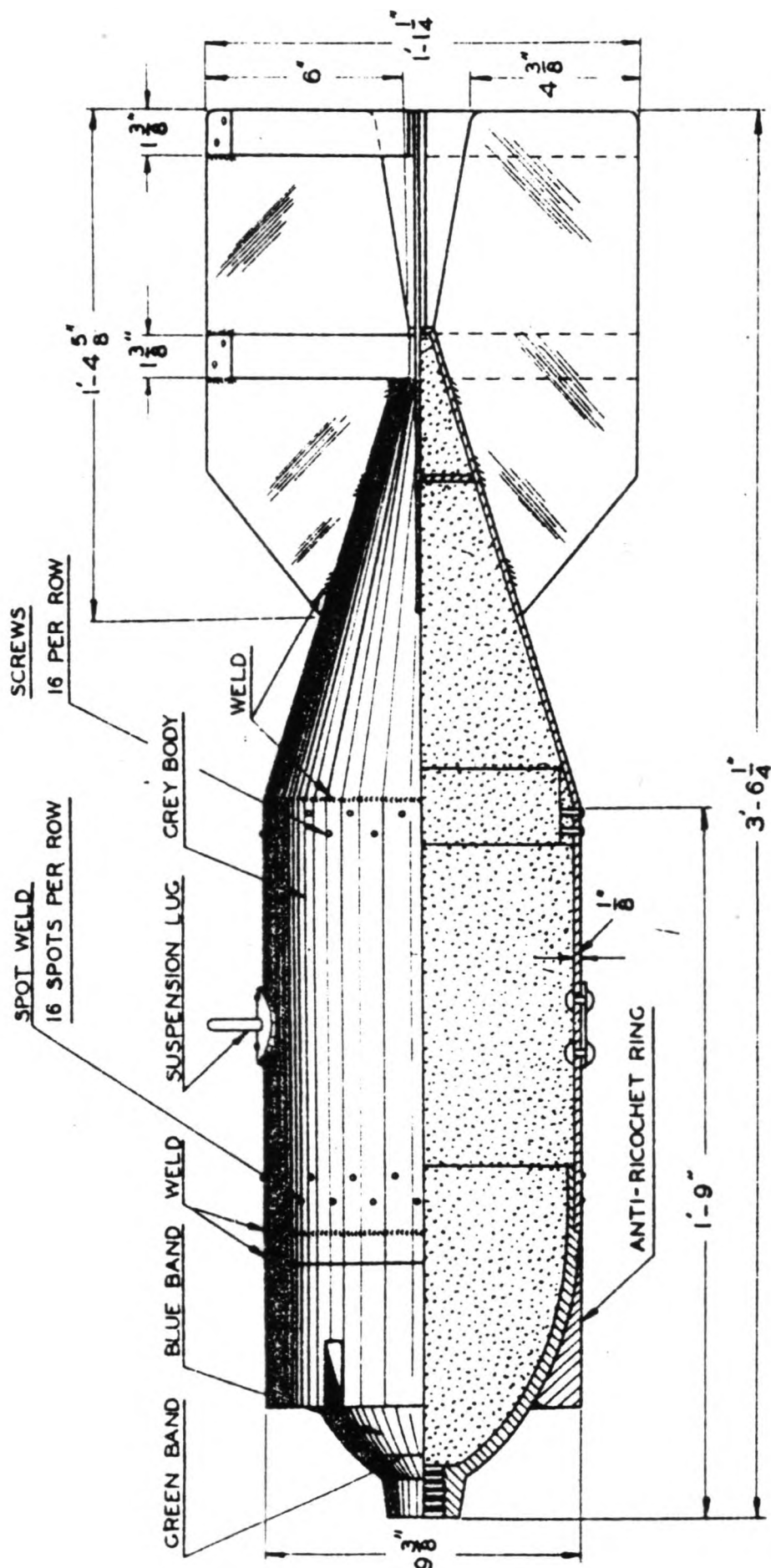
Upon impact the fuze functions instantaneously or with a short delay depending upon gaine selection.

8. DISPOSAL PROCEDURE

When demolition in situ is impracticable the fuze is to be rendered safe and the bomb removed to a suitable area for demolition.

BOMB H.E AIRCRAFT 60KG

TYPE 99 No. 6 MARK 2 MOD. I



BOMB, H.E. AIRCRAFT - 100 KG.1. JAPANESE NOMENCLATURE

Type 94.

2. BRANCH OF SERVICE

Army Air Force

3. USE

General purposes, and air to air bombing, depending upon fuze selection.

4. FUZING

Nose A. 2(A), A. 2 (B), A. 2 (C), A. 2 (D), D. 5 (A)

Tail B. 1 (A), B. 1 (B).

The undermentioned fuzes are also used, but to date no specimens have been recovered.

Type 1 Time Tail Fuze, Type 3 Tail Fuze.

5. DETAILS

Length Overall.....	4' 5"
Length of body.....	3' 10"
Diameter.....	9"
Width diagonally across tail fins..	13 1/4"
Wall thickness.....	5/16"
Weight complete.....	107.7 KG.
Weight of filling.....	47 KG.
Main filling.....	Picric Acid (in 4 blocks)
Colour.....	Black
Markings.....	Red band around nose and one yellow and one white band between nose and suspension lug.

6. DESCRIPTION

(a) See drawing.

(b) The bomb consists of a cast steel nose piece, cylindrical steel body and a conical tail piece, to which is welded four tail fins braced by two sets of stabilizer bands. The nose piece is screwed and the conical tail piece welded to the bomb body. A hinged suspension lug is welded to the body at the point of balance.

7. ACTION

Depending upon fuze selection.

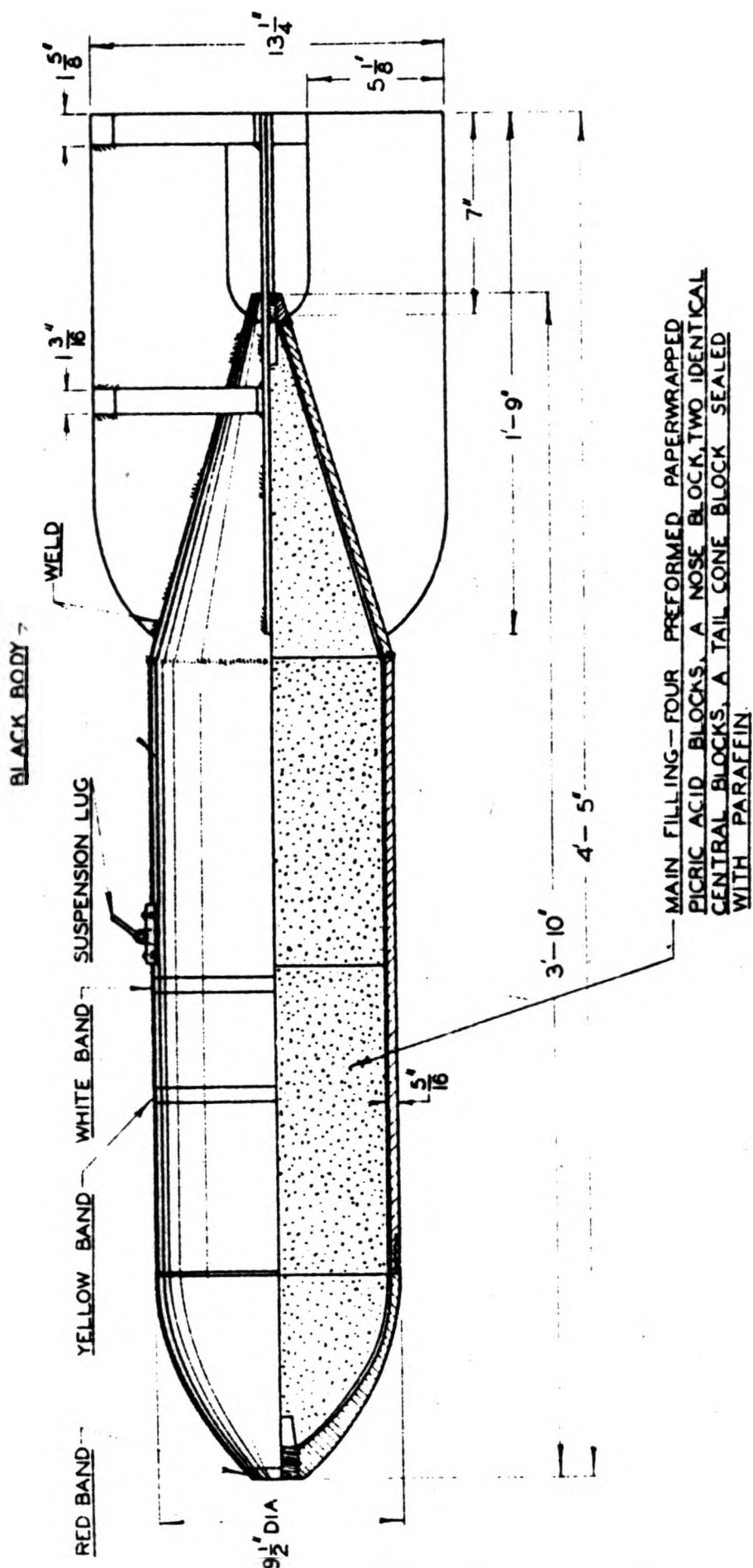
8. DISPOSAL PROCEDURE

When demolition in situ is impracticable, render the fuzes safe and remove the bomb to a suitable area for disposal.

9. SPECIAL PRECAUTIONS

BOMB H.E. AIRCRAFT ARMY 100 K.G.

TYPE 94



BCMB, H.E. AIRCRAFT ~~100~~ - 100 KG.1. JAPANESE NOMENCLATURE

Type 1.

2. BRANCH OF SERVICE

Army Air Force.

3. USE

Temporary neutralization of airfields and cities.

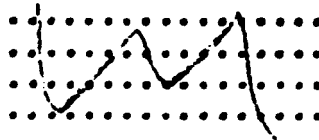
4. FUELING

Nose C. 3 (A)

Tail E. 1 (A)

5. DETAILS

Length Overall.....	4' 4"
Length of body.....	3' 8 1/4"
Diameter.....	9 1/2"
Width diagonally across tail fins...	13 1/4"
Wall thickness.....	5/16"
Weight complete.....	104.2 KG
Weight of filling.....	45.5 KG
Main filling.....	Picric Acid
Colour.....	Black
Markings.....	Red band around nose and one yellow and one white band between nose and suspension lug.

6. DESCRIPTION

(a) See drawing.

(b) The bomb consists of a cast steel nose piece, cylindrical steel body and a conical tail piece, to which is welded four tail fins braced by two sets of stabilizing bands. Welded to the rear of the tail fins is a square resistance plate.

The nose piece is screwed and the conical tail piece welded to the bomb body. A hinged suspension lug is attached to the body at the point of balance. Annular grooves are cut in both the nose and tail adaptors.

7. ACTION

After impact, the C. 3 (A) fuze will initiate the bomb upon expiry of an indeterminate long delay period.

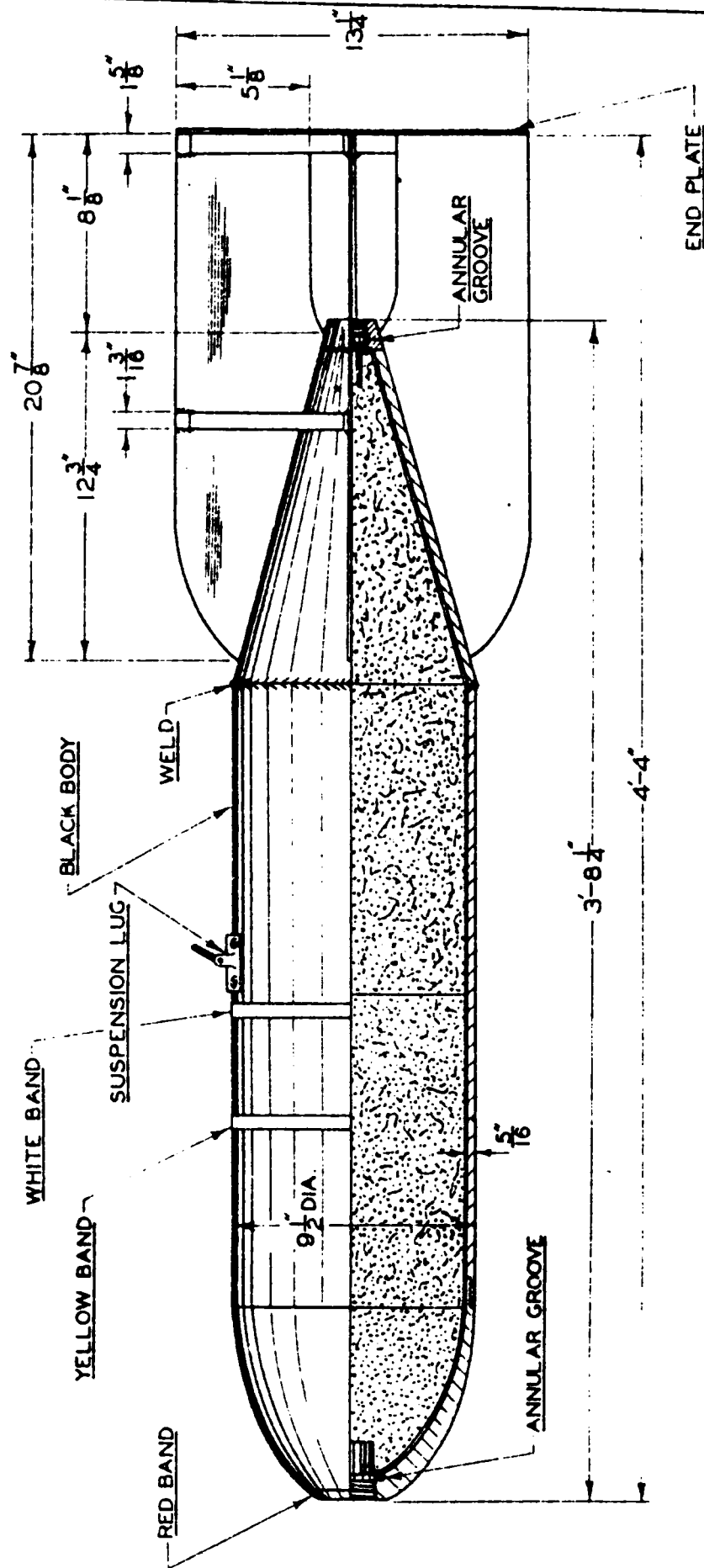
8. DISPOSAL PROCEDURE

(a) Unscrew the nose cap from the fuze and ascertain whether it has been armed.

(b) When demolition in situ is impracticable remove the bomb to a suitable area or trench pending the expiry of the safety period of 125 hours.

9. SPECIAL PRECAUTIONS

BOMB. H.E. AIRCRAFT 100 KG.
*** TYPE I.**



ROYAL AIR FORCE AIRCRAFT - 100 KG

1. JAPANESE NOMENCLATURE

Type 3.

2. BRANCH OF SERVICE

Army Air Force

3. USE

General purposes. Low altitude and air to air bombing.

4. FUZING

Nose A. 2 (A), A. 3 (C), A. 2 (D), D. 5(A)

Tail B. 1 (A), B. 1 (B)

B. 7 (A) (when used as a substitute anti-submarine bomb)

- (a) The undermentioned fuzes are also used, but to date no specimens have been recovered.

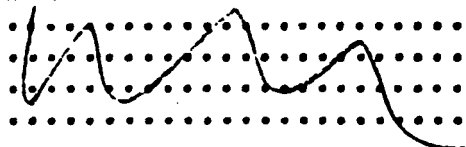
~~Type 4 Instantaneous Nose Fuze~~

Type 1 Time Tail Fuze

Type 3 Tail Fuze

5. DETAILS

Length Overall.....	4' 5"
Length of body.....	3' 10"
Diameter.....	9"
Width diagonally across tail fins.....	1' 3 1/4"
Wall thickness.....	5/16"
Weight complete.....	108.2 KG
Weight of filling.....	51 KG
Main filling.....	Picric Acid
Colour.....	Black
Markings.....	Red band around nose and one yellow and one white band between the nose and suspension lug.



6. DESCRIPTION

- (a) See drawing.

- (b) The bomb consists of a cast steel nose piece, cylindrical steel body and a conical tail piece to which is welded four tail fins braced by two sets of stabilizer bands.

The nose piece is welded and the conical tail piece screwed to the body. This being the reverse method of assembly to all other known types of Army H.E. bombs.

A hinged suspension lug is attached to the bomb body at the point of balance.

The main filling consists of four preformed paper wrapped picric acid blocks which are bedded in the bomb body with a T.B.B. binder in lieu of paraffin.

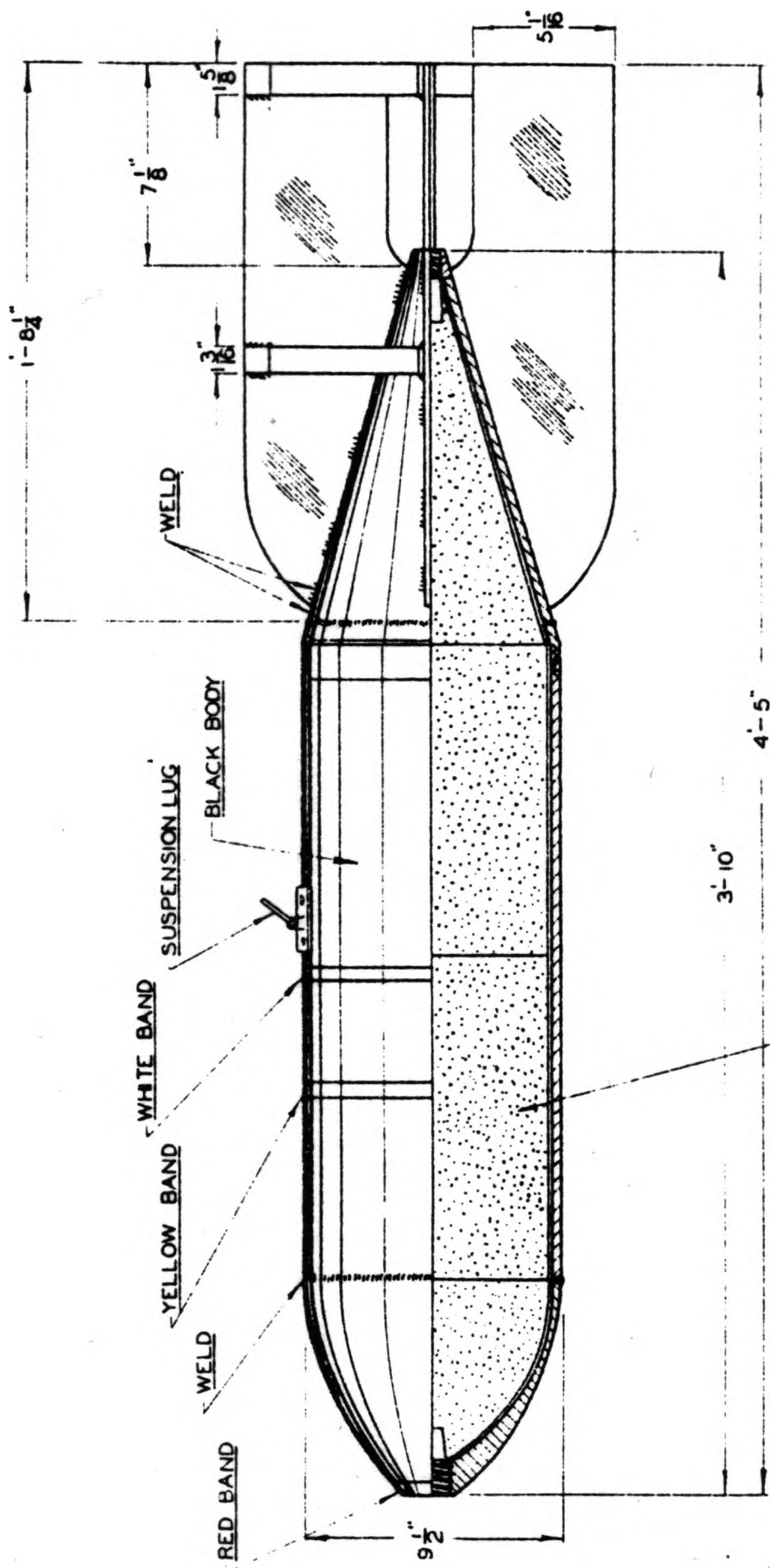
7. ACTION

Depending upon fuze selection.

8. DISPOSAL PROCEDURE

When demolition in situ is impracticable, render the fuzes safe and remove the bomb to a suitable area for disposal.

9. SPECIAL CAUTIONS

BOMB H.E. AIRCRAFT (ARMY) 100 K.G.**TYPE 3**

MAIN FILLING IS PREFORMED PICRIC ACID
BLOCKS SEALED IN WITH T.N.T. BINDER.

BOMB H.B. AIRCRAFT - 100 KG.1. JAPANESE NOMENCLATURE

Type 3, 100 KG. Skipping Model

2. BRANCH OF SERVICE

Army Air Force

3. USE

Skip bombing of shipping

4. FUZING

Nose A. 8 (A)

Tail B. 8 (A)

5. DETAILS

Length Overall.....	4' 5"
Length of body.....	3' 10"
Diameter.....	9"
Width diagonally across tail fins...	
Wall thickness.....	5/16"
Weight complete.....	
Weight of filling.....	51 KG.
Main filling.....	Picric Acid
Colour.....	Black
Markings.....	(a) Red band around nose. (b) One yellow and one white band on body.

6. DESCRIPTION

(a) See drawing.

(b) Same as for Type 3, 100 KG. Bomb (Ref. S.5, L. 10/20) EXCEPT

(c) THE TAIL FINS WHICH HAVE BEEN STRENGTHENED BY ADDITIONAL BRACING.

7. ACTION

Functions with short delay upon impact.

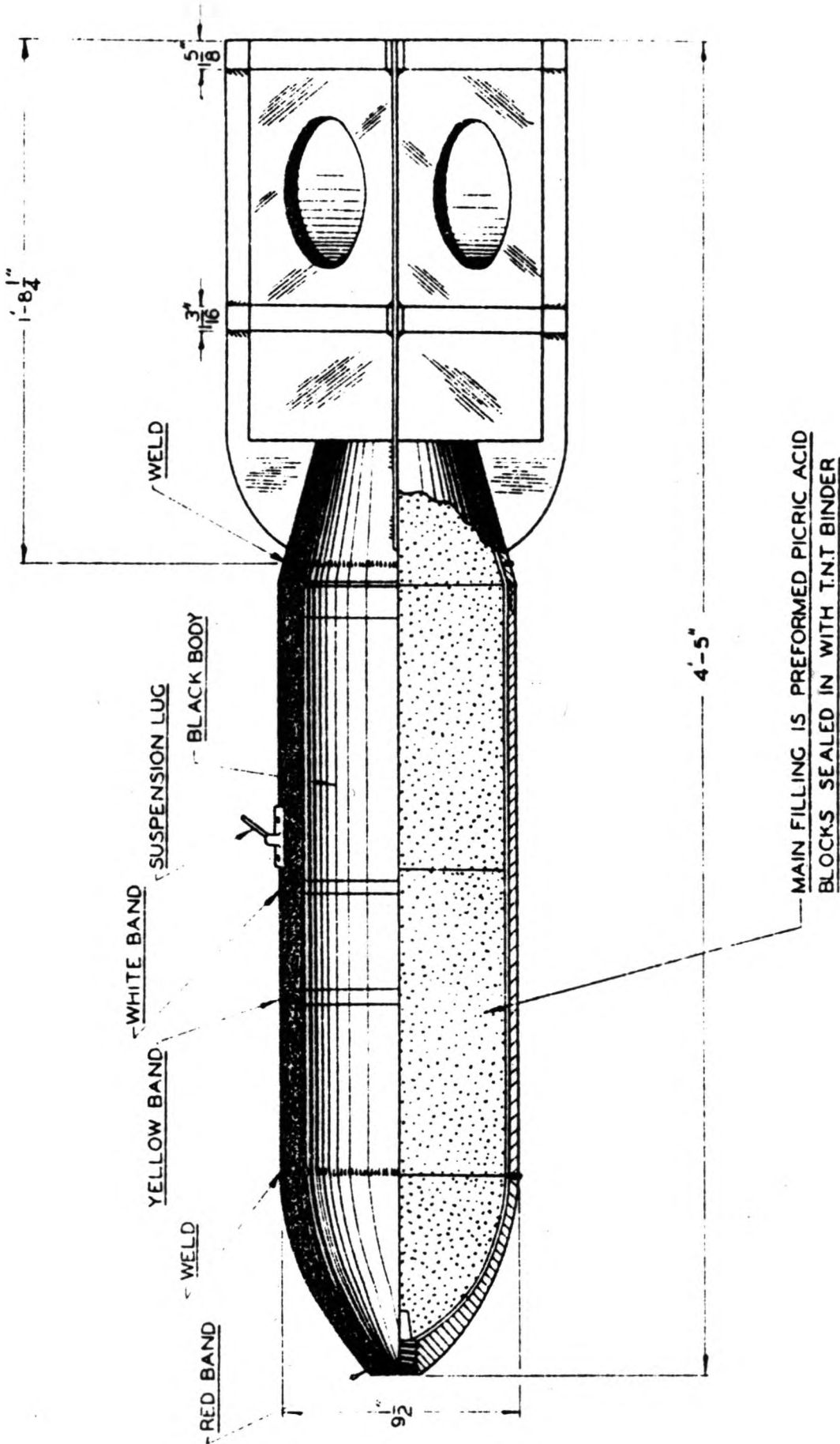
8. DISPOSAL PROCEDURE

When demolition in situ is impracticable, render the fuze safe and remove to a suitable area for disposal.

9. SPECIAL PRECAUTIONS

BOMB H.E AIRCRAFT 100 KG

"TYPE 3 SKIPPING BOMB"



SECTION NO. 5
BOMBS - INCENDIARY

INDEX

LEAFLET NO.	SUBJECT
0/10	BOMB, INCENDIARY AIRCRAFT - Type 93 1 KG.
0/20	BOMB, INCENDIARY AIRCRAFT 2 KG.
0/50	BOMB, INCENDIARY 5 KG. -
0/53	BOMB, INCENDIARY (BALLOON) 5 KG.
1/00	BOMB, INCENDIARY AIRCRAFT 10 KG.
1/20	BOMB, INCENDIARY AIRCRAFT - Type 97 (Grade 1) 12 KG.
1/25	BOMB, INCENDIARY (BALLOON) 12 KG.
3/00	BOMB, INCENDIARY AIRCRAFT - Type 99, Mark 3, No. 3 30 KG.
3/05	BOMB, INCENDIARY AIRCRAFT - Type 99, Mark 3, No. 3 30 KG. Modification 1
5/00	BOMB, INCENDIARY, AIRCRAFT - Type 100 50 KG.
6/00	BOMB, INCENDIARY AIRCRAFT - Type 98 Mark 6, No. 60 KG.
6/05	BOMB, INCENDIARY AIRCRAFT - Type 3, No. 6, Mark 3 KG.

INDEX

LEAFLET NO.	SUBJECT
7/00	BOMB, INCENDIARY AIRCRAFT - Type 98, Mark 6, No. 7 70 KG.
7/05	BOMB, INCENDIARY AIRCRAFT - Type 1, No. 7, Mark 6 70 KG. Model 3
7/10	BOMB, INCENDIARY AIRCRAFT - Type 1, No. 7, Mark 6 70 KG. Model 3, Mod. 1
25/00	BOMB, INCENDIARY AIRCRAFT - Type 2, Mark 3, No. 25 250 KG. Model 1
25/05	BOMB, INCENDIARY, AIRCRAFT - Type 3, Mark 3, Model 1 250 KG. Mod. 1

BOMB INCENDIARY AIRCRAFT 1 KG.1. JAPANESE NOMENCLATURE.

Type 93.

2. BRANCH OF SERVICE.

Army Air Force.

3. USE.

Against lightly constructed buildings and inflammable stores.

4. FUZING.~~NOSE - INTEGRAL, PART OF BOMB~~
NOT KNOWN.5. DETAILS.

Length Overall.....	13½"
Length of Body.....	8-5/16"
Diameter.....	2-1/8"
Width diagonally across tail fins.....	2-1/8"
Wall thickness.....	
Weight complete.....	1.23 KG
Weight of filling.....	.32 KG
Main filling.....	Thermite
Colour.....	Black
Markings.....	.
Weight of H.E. Charge.....	.04 KG

6. DESCRIPTION.

(a) See drawing.

(b) The bomb body is parallel in shape and the rear end is closed by a truncated cone which is fitted with tail fins and a circular stabilizer band.

(c) A simple impact fuze which is an integral part of the bomb screws into the nose.

(d) The bomb body is constructed of magnesium and filled with thermite. A small explosive charge is contained in the truncated cone.

7. ACTION.

(a) Upon release from the aircraft the parachute opens the cover of the container, and the sixteen bombs fall away.

(b) Upon impact the inertia weight moves forward, the flash cap impinges on the striker and the thermite is ignited.

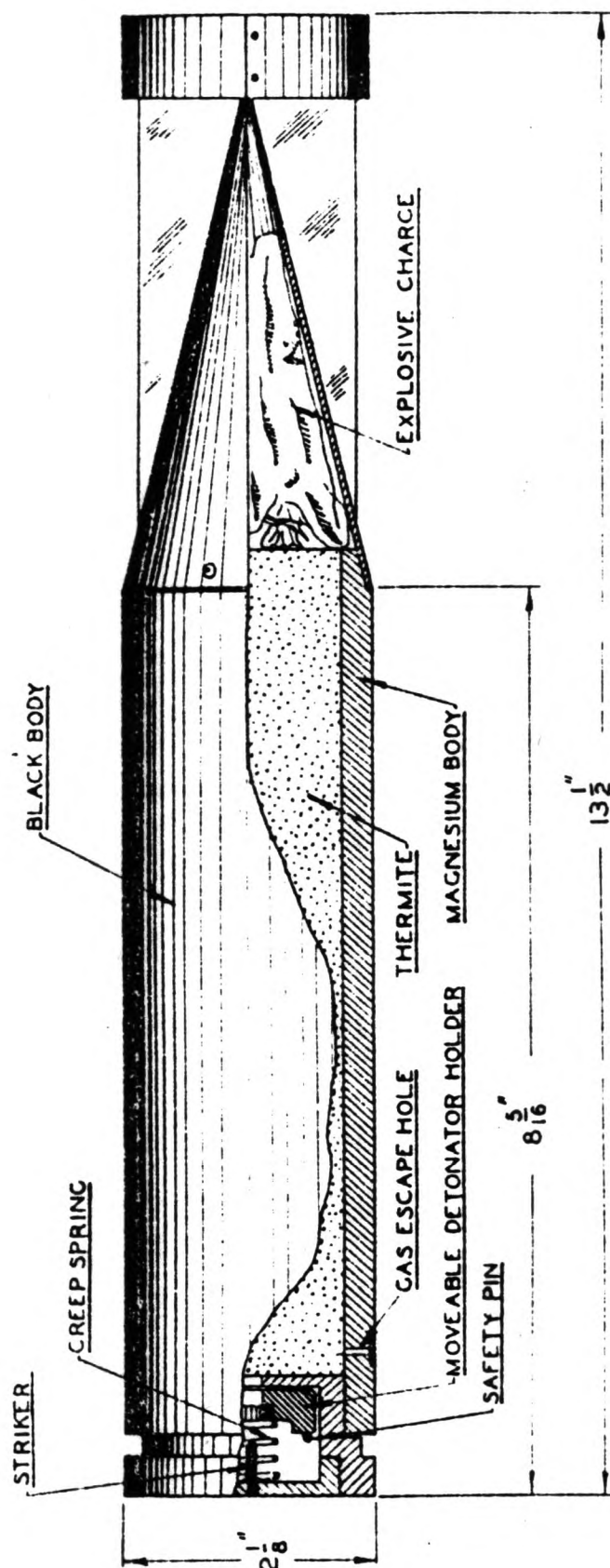
(c) When the burning thermite reaches the explosive charge detonation occurs.

8. DISPOSAL PROCEDURE.

By drowning, demolition or burning in a suitable area.

9. SPECIAL PRECAUTIONS.

BOMB, INCENDIARY, AIRCRAFT, 1 KG.
"TYPE 93"



BOMB INCENDIARY AIRCRAFT - 12 KG1. JAPANESE NOMENCLATURE

Type 97 (Grade 1)

2. BRANCH OF SERVICE

Army Air Force

3. USE

Against inflammable targets

4. FUZING

Nose - A. 2 (B) or A. 2 (D)

Type 97, Instantaneous Short Delay Fuze
(No specimens recovered to date)5. DETAILS

Length Overall.....	2' 1 5/8"
Length of body.....	11 3/4"
Diameter.....	3 7/8"
Width diagonally across tail fins..	5 1/2"
Wall thickness.....	3/16"
Weight complete.....	11.9 KG.
Weight of filling.....	5 KG.
Main filling.....	H.E. Charge. Gunpowder
Colour.....	Black
Markings.....	White band around body
Ignition Compound.....	(Salt Petre 25%
	(Barium Nitrate 40%
	(Magnesium 30%
	(Paraffin 5%
	(Aluminium 15.6%
	(Metal Shavings 44.4%
	(Aluminium Shavings 11.0%
	(Manganese Dioxide 29%

6. DESCRIPTION

(a) See drawing.

(b) The bomb consists of a cylindrical steel body to which is screwed a cast steel nose piece. A conical tail piece with four tail fins is press fitted to the body and secured with four shear wires.

(c) Housed in the body are three canisters containing thermite. A black gunpowder charge is contained in both the nose and tail of the body.

(d) A hinges suspension lug is attached to the body at the point of balance.

7. ACTION

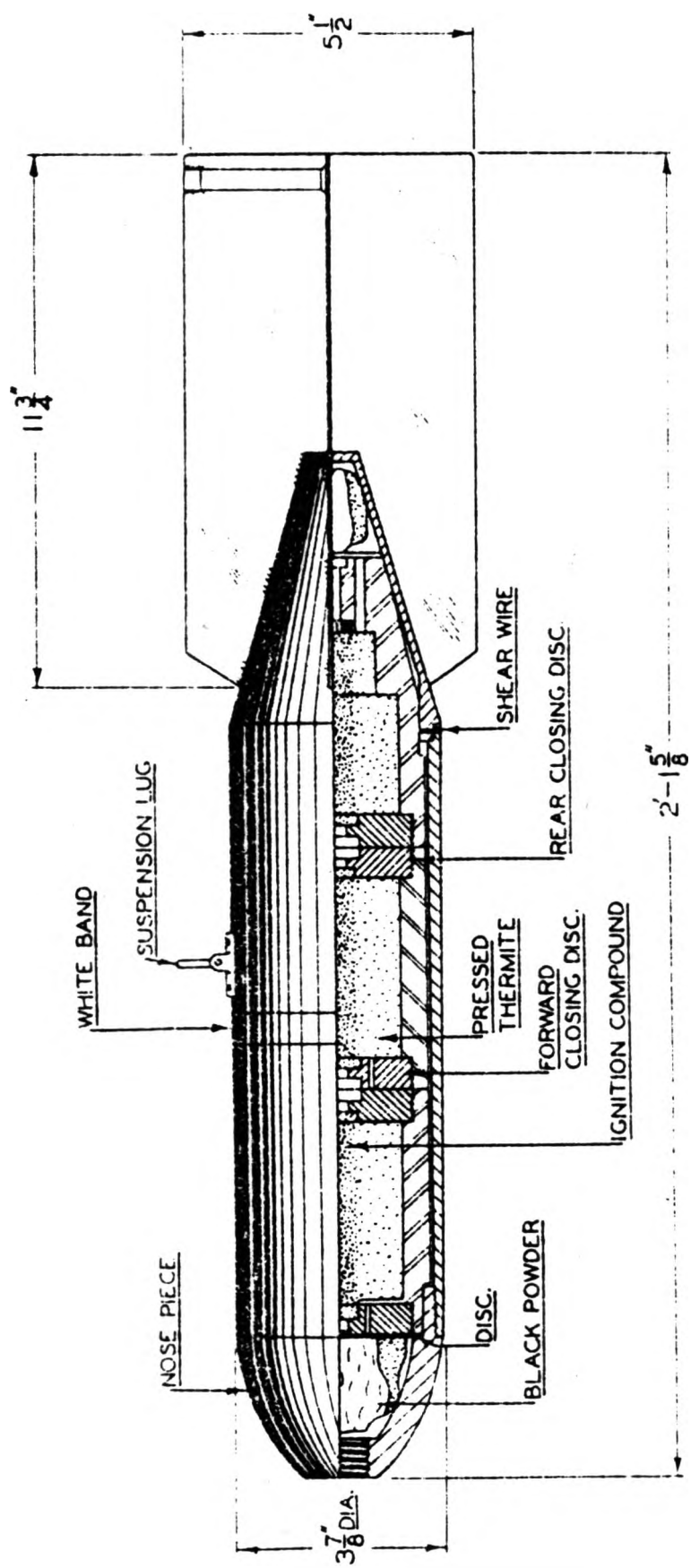
(a) Upon impact the fuze functions instantaneously, the tail portion is thrown away from the bomb and the three incendiary canisters are ejected.

8. DISPOSAL PROCEDURE

By drowning or demolition in a suitable area.

9. SPECIAL PRECAUTIONS

BOMB. INCENDIARY. AIRCRAFT 12 KG.
"TYPE 97 (GRADE I)"



BOMB, INCENDIARY, AIRCRAFT - 30 KG

1. JAPANESE NOMENCLATURE

Type 99, Mark 3, No. 3.

2. BRANCH OF SERVICE

Navy Air Force

3. USE

Anti-aircraft mid air and grounded.

4. FUZING

Nose - A. 1 (B)
Tail - D. 2 (A), D. 2 (B), D. 2 (C)

5. DETAILS

Length Overall.....	24 7/16"
Length of body.....	13 7/16"
Diameter.....	5 3/4"
Width diagonally across tail fins.....	5 3/4"
Wall thickness.....	3/16"
Weight complete.....	32 KG
Weight of filling.....	
Main filling.....	198 Phosphorous filled steel pellets
Explosive filling.....	(a) Tail cone - 3 1/2 lbs. cast picric (b) Central Tube - 3/16 lbs. picric
Colour.....	Grey
Markings.....	(a) Silver band on both nose and tail (b) Two 1/16" red stripes diametrically opposite.
New Colour and Markings.....	Green/Silver,Grey, Red.

6. DESCRIPTION

(a) See drawing.

(b) The bomb consists of two main portions viz:- (i) Body, (ii) Tail assembly.

(i) The Body is constructed of forged steel in a single piece, machined and coated internally with red lacquer. Two diametrically opposite eye bolt suspension lugs are fitted to the body at the point of balance.

Inside the body are two cylinders. The inner cylinder contains the central tube, filled with picric. At the top of this tube a wooden spacer is placed to seal the explosive. A pocket is provided to allow insertion of the detonator tube. The rear end of the central tube protrudes into the tail bursting charge. Between the inner and outer cylinders are placed 198 phosphorous filled steel pellets enclosed at the top and bottom by felt washers. Cardboard spacers are set between the outer cylinder and bomb body.

(ii) The Tail Assembly is constructed of sheet steel, and spot welded to the cone are four angled tail fins braced with rivetted struts. The cone is in sections, the threaded ends being connected to the main cone by continuous circular welds.

BOMBS, INCENDIARY, AIRCRAFT - 30 KG7. ACTION

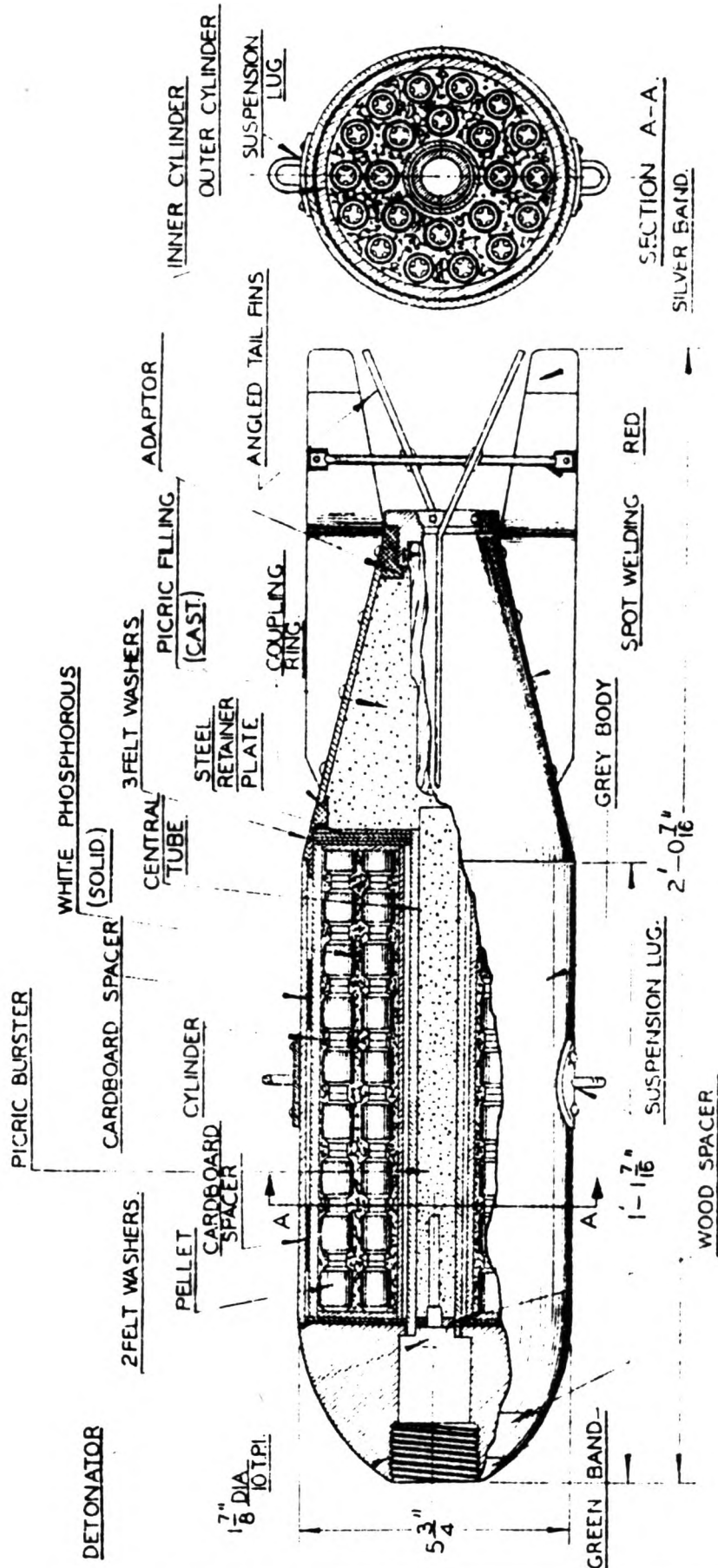
On release from an aircraft the "D" Type Tail Fuze functions and the bomb will burst at a predetermined height, and scatter the pellets over a wide area. The nose fuze functions on impact.

8. DISPOSAL PROCEDURE

When demolition in situ is impracticable, render the fuzes safe and remove to a suitable area for disposal.

9. SPECIAL PRECAUTIONS

When handling damaged bombs, personnel must wear protective gloves, otherwise burns may result from the incendiary mixture that may not have ignited.

BOMB. INCENDIARY. AIRCRAFT 30 K.G.**"TYPE 99, MARK 3, N°3."**

SILVER BAND 2 1/8"

BOMB, INCENDIARY, AIRCRAFT - 30 KG

1. JAPANESE NOMENCLATURE

Type 99, Mark 3, No. 3, Modification 1.

2. BRANCH OF SERVICE

Navy Air Force

3. USE

Anti-Aircraft, Mid air and grounded.

4. FUZING

Nose - A. 1 (B)

Tail - D. 2 (A), D. 2 (B), D. 2 (C)

5. DETAILS

Length Overall.....	24 7/16"
Length of body.....	13 7/16"
Diameter.....	5 3/4"
Width diagonally across tail fins....	5 3/4"
Wall thickness.....	3/16"
Weight complete.....	32 KG
Weight of filling.....	
Main filling.....	198 Phosphorous filled steel pellets.
Explosive filling.....	(a) Tail cone - 3 1/2 lbs. cast picric acid.
	(b) Central Tube - 3/16 lbs. cast picric acid.
Colour.....	Grey
Markings.....	(a) Silver nose tipped with green
	(b) Silver fin tips.
	(c) Red stabilizer bars.
	(d) Thin red line running longitudinally around bomb.
New Colour and Markings.....	Green/Silver, Grey, Red.

6. DESCRIPTION

(a) See drawing.

(b) The internal and external construction of this bomb is identical with the Type 99, Mk. 3, No. 3 excepting the provision of four fins, which are welded to the bomb at an angle of 35° from the longitudinal axis.

7. ACTION

Same as Type 99, Mk. 3, No. 3, excepting, that the body fins decrease the time taken for bomb to exceed 1000 R.P.M. which is required before the tail fuze can function. (Ref. S.8, L. 3/00)

8. DISPOSAL PROCEDURE

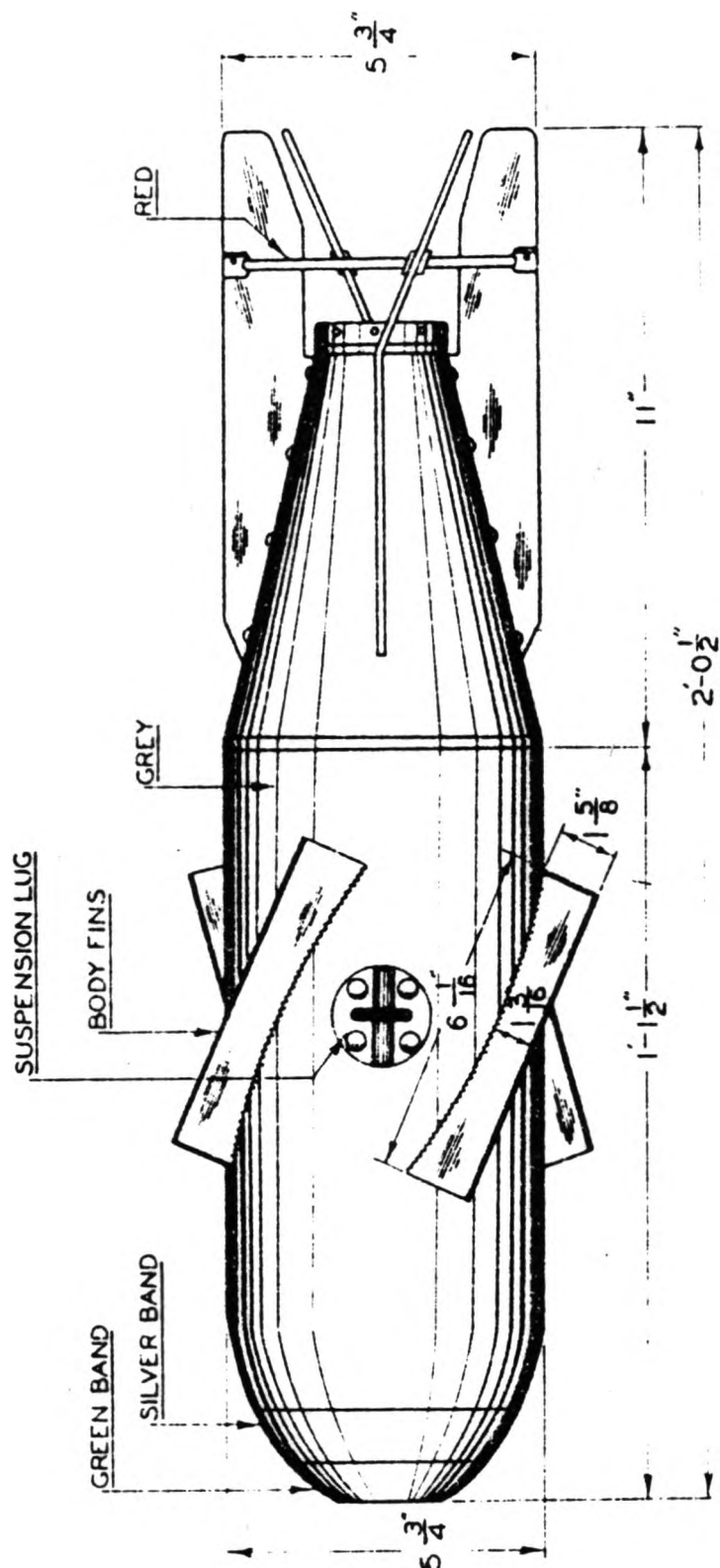
When demolition in situ is impracticable, render the fuzes safe and remove to a suitable area for disposal.

9. SPECIAL PRECAUTIONS

When handling damaged bombs, personnel must wear protective gloves, otherwise burns may result from the incendiary mixture that may not have ignited.

BOMB. INCENDIARY. AIRCRAFT 30 KG.

* TYPE 99, MARK 3, No. 3, MOD. I.



BOMB, INCENDIARY, AIRCRAFT - 50 KG

1. JAPANESE NOMENCLATURE

Type 100

2. BRANCH OF SERVICE

Army Air Force

3. USE

Generally used in conjunction with the bombs against buildings, hangars and inflammable stores.

4. FUZING

Nose - A. 2 (B), A. 2 (D), D. 5 (A)

5. DETAILS

Length Overall.....	3' 4 1/2"
Length of body.....	
Diameter.....	7 1/8"
Width diagonally across tail fins...	9 3/4"
Wall thickness.....	1/8"
Weight complete.....	43.5 KG.
Weight of filling.....	(Chemical) 16.1 KG. (HE) 2.1 KG.
Main tilling.....	475 rubber pellets in a solution of carbon disulphide and phosphorous
Colour.....	Grey
Markings.....	(a) Red band on nose (b) White band on body (c) Ideograph for incendiary (d) Weight discrepancy marks

6. DESCRIPTION

(a) See drawing.

(b) The bomb consists of a cylindrical steel body to the forward end of which is welded a cast steel collar. Provision is made in the collar for the reception of a large picric acid filled exploder tube which is 11 5/8" long. Attached to the collar by three dowl pins is a cast steel nose piece. Welded to the rear end of the body is a tail unit which is provided with four tail fins and stabilizer bands.

7. ACTION

Upon impact the fuze functions instantaneously, the bomb case is shattered, the incendiary pellets are scattered over a wide area and ignite upon exposure to the atmosphere.

8. DISPOSAL PROCEDURE

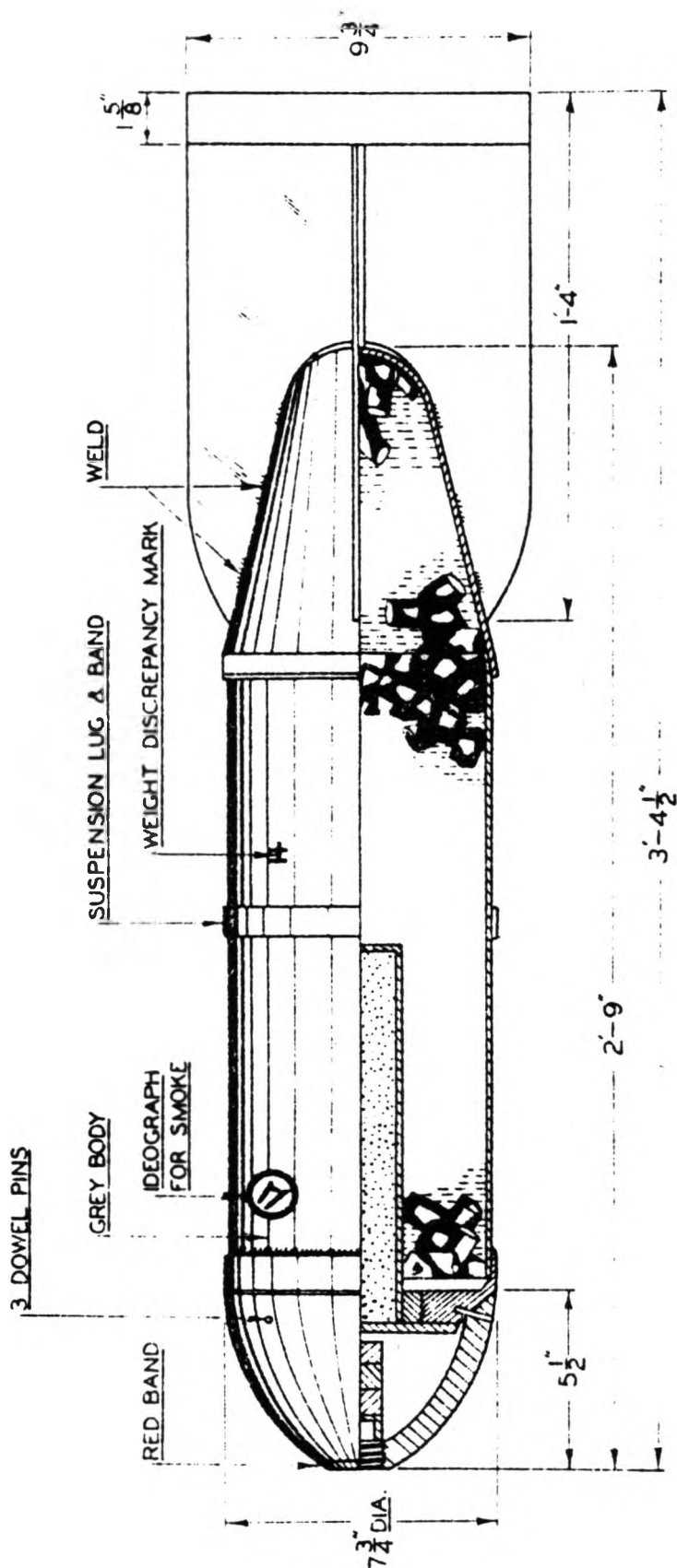
When demolition in situ is impracticable render the fuze safe and remove to a suitable area for disposal.

9. SPECIAL PRECAUTIONS

Due to the nature of the contents and the attendant risk of fire the bomb should be demolished in a deep trench or disposed of by drowning.

BOMB. INCENDIARY. AIRCRAFT 50 KG.

"TYPE 100."



BOMB, INCENDIARY AIRCRAFT 60 KG1. JAPANESE NOMENCLATURE

Type 98 Mark 6, No. 6.

2. BRANCH OF SERVICE

Navy Air Force

3. USE

This type of bomb is normally used in conjunction with M.I. bombs against, buildings, hangars, etc.

4. FUZZING

Nose - A. 3 (A)

5. DETAILS

Length Overall..... 3' 6"
 Length of body..... 1' 6"
 Diameter..... 9 1/2"
 Width diagonally across tail fins..... 1' 4 1/4"
 Wall thickness..... 1/4"
 Weight complete..... 152 lbs.
 Weight of filling.....
 Main filling..... Paraffin wax and kerosene or rubber pellets.
 Colour..... Grey
 Markings..... Red line running longitudinally around the bomb. Red stabilizer bands. Red band on nose.

New Colour Markings..... Green/Red, Grey, Red.

6. DESCRIPTION

(a) See drawing.

(b) The bomb consists of a cylindrical steel body to which is welded a cast steel nose. To the other end of the body is rivetted and welded a conical shaped tail unit with four fins and supports. Enclosed in the body is an inner steel casing with six compartments containing paraffin wax and kerosene, through which passes a central tube filled with thermite. Positioned inside the tube is a length of copper tubing containing quick-match. Housed in the nose is a metal container filled with black powder. Rubber pellets are frequently used as the incendiary filling in lieu of the paraffin wax and kerosene.

7. ACTION

On impact the fuze initiates the black powder charge in the nose, which explodes, forcing the inner casing out of the outer container, shearing the 32 screws. Simultaneously the length of quick-match is ignited and initiates the thermite in the central tubing. The thermite and mixture of paraffin wax and kerosene then burn as the one compact mass.

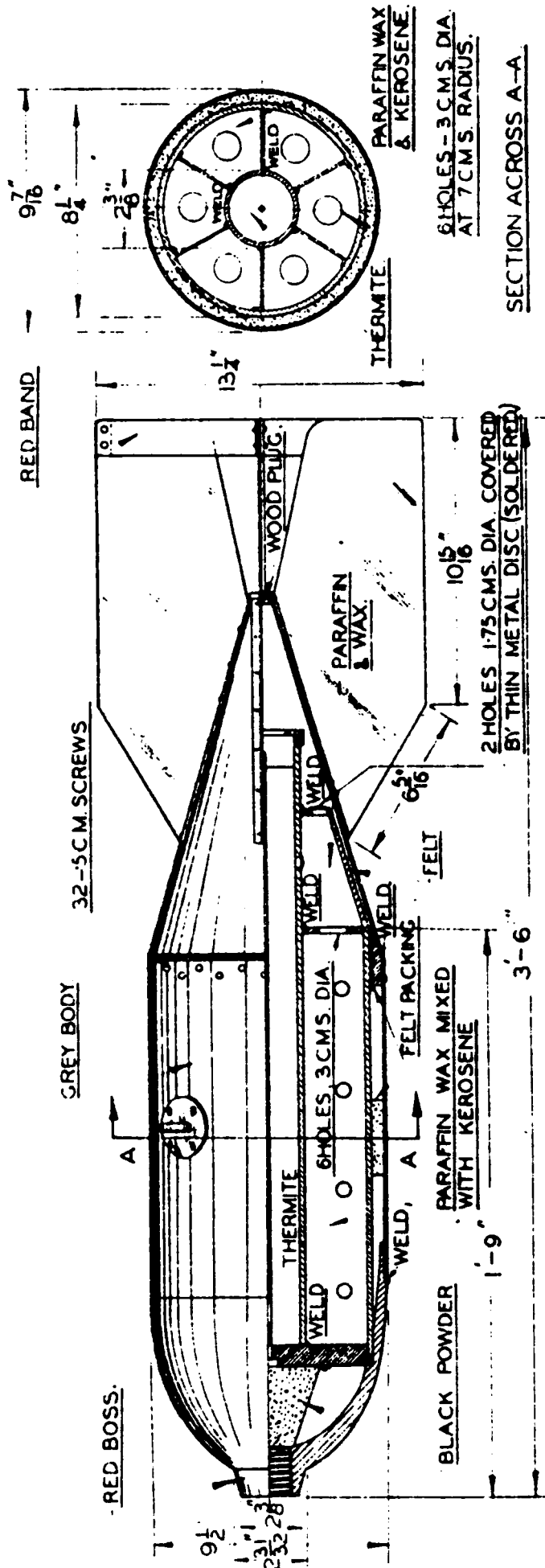
8. DISPOSAL PROCEDURE

When demolition in situ is impracticable, render the fuze safe and remove to a suitable area for disposal.

9. SPECIAL PRECAUTIONS

BOMB, INCENDIARY, AIRCRAFT 60KG.

"TYPE 98, MARK 6, N° 6."



BOMB, INCENDIARY, AIRCRAFT 60 KG.1. JAPANESE NOMENCLATURE

Type 3, No. 6, Mark 3

2. BRANCH OF SERVICE

Navy Air Force

3. USE

Against aircraft mid-air and grounded

4. FUZING

Tail D.2(A), D.2(B), D.2(C)

5. DETAILS

Length Overall.....	3' 6"
Length of body.....	
Diameter.....	7 13/16"
Width diagonally across tail fins...	7 13/16"
Wall thickness.....	
Weight complete.....	53.4 KG.
Weight of filling.....	
Main filling.....	Three canisters containing white phosphorus filled steel pellets
Colour.....	Grey
Markings.....	Silver nose tipped with green and red stabilizer bands (New colour markings)

6. DESCRIPTION

(a) See drawing.

(b) The bomb body consists of a cylindrical steel barrel to which a conical piece is welded. A conical tail piece, explosive filled, fitted with four tail fins and stabilizer bands is attached to the barrel by a junction ring.

(c) The tail fins are set at an angle to induce a spinning motion whilst the bomb is in flight.

(d) Fitted in the barrel are three canisters containing phosphorus filled steel pellets which ignite upon exposure to the air.

(e) The nose piece is filled with a wooden block and a central burster charge runs the full length of the barrel.

7. ACTION

When the bomb has exceeded 1000 R.P.M. and the time setting of the D. 2 series fuze expires the bomb is fragmented in mid-air.

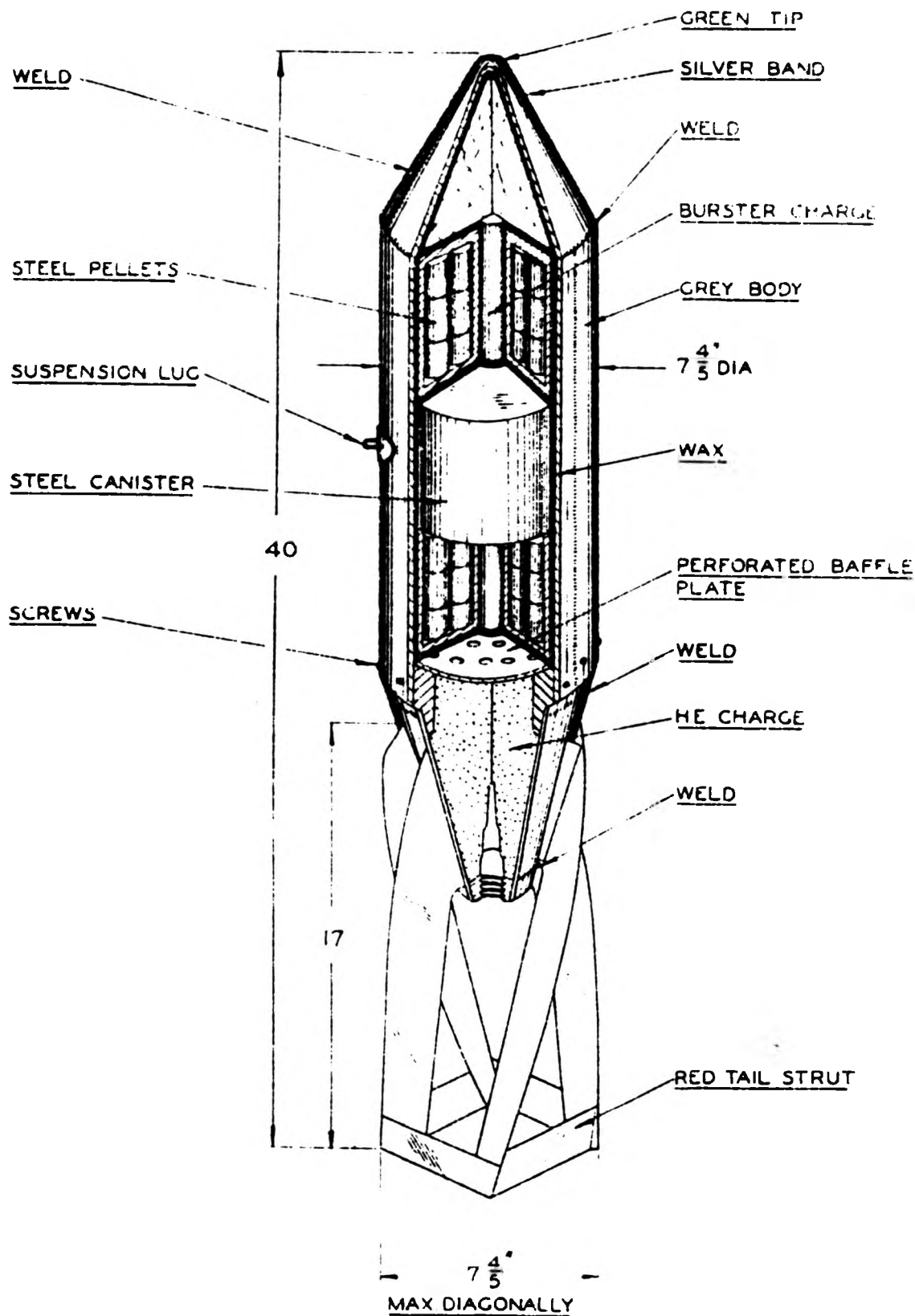
8. DISPOSAL PROCEDURE

Render the fuze safe and remove to a suitable area for disposal by demolition or drowning.

9. SPECIAL PRECAUTIONS

BOMB INCENDIARY AIRCRAFT 60KG

TYPE 3, No.6, MARK 3



BOMBS, INCENDIARY, AIRCRAFT - 70 KG

1. JAPANESE NOMENCLATURE

Type 98, Mark 6, No. 7, Model 1

2. BRANCH OF SERVICE

Navy Air Force.

3. USE

This type is normally used in conjunction with H.E. bombs against buildings and hangars, etc.

4. FUZING

Nose - A. 3 (A)

5. DETAILS

Length Overall.....	3' 4"
Length of body.....	1' 9 7/8"
Diameter.....	7 3/4"
Width diagonally across tail fins.....	10 5/8"
Wall thickness.....	1/4"
Weight complete.....	156 lbs.
Weight of filling.....	
Main filling.....	Thermite in Electron containers.
Colour.....	
Markings.....	Tail fin supports painted red. Thin red line running longitudinally around bomb.
New Colour and Markings.....	Green/Red, Grey, Red.

6. DESCRIPTION

(a) See drawing.

(b) This bomb consists of a cylindrical steel body, to which is rivetted a cast steel nose. A tail unit, with four steel fins is rivetted to the other end of the body. Inside the casing are four Electron inserts filled with Thermite. A suspension lug is rivetted to the body at the point of balance.

7. ACTION

The fuze ignites the Electron containers and a black powder charge in the nose. When the fuze functions, the Electron containers and the black powder charge in the nose are ignited. The black powder charge in the nose explodes, the rivets and screws securing the tail portion to the body are shorn off and the Electron containers ejected.

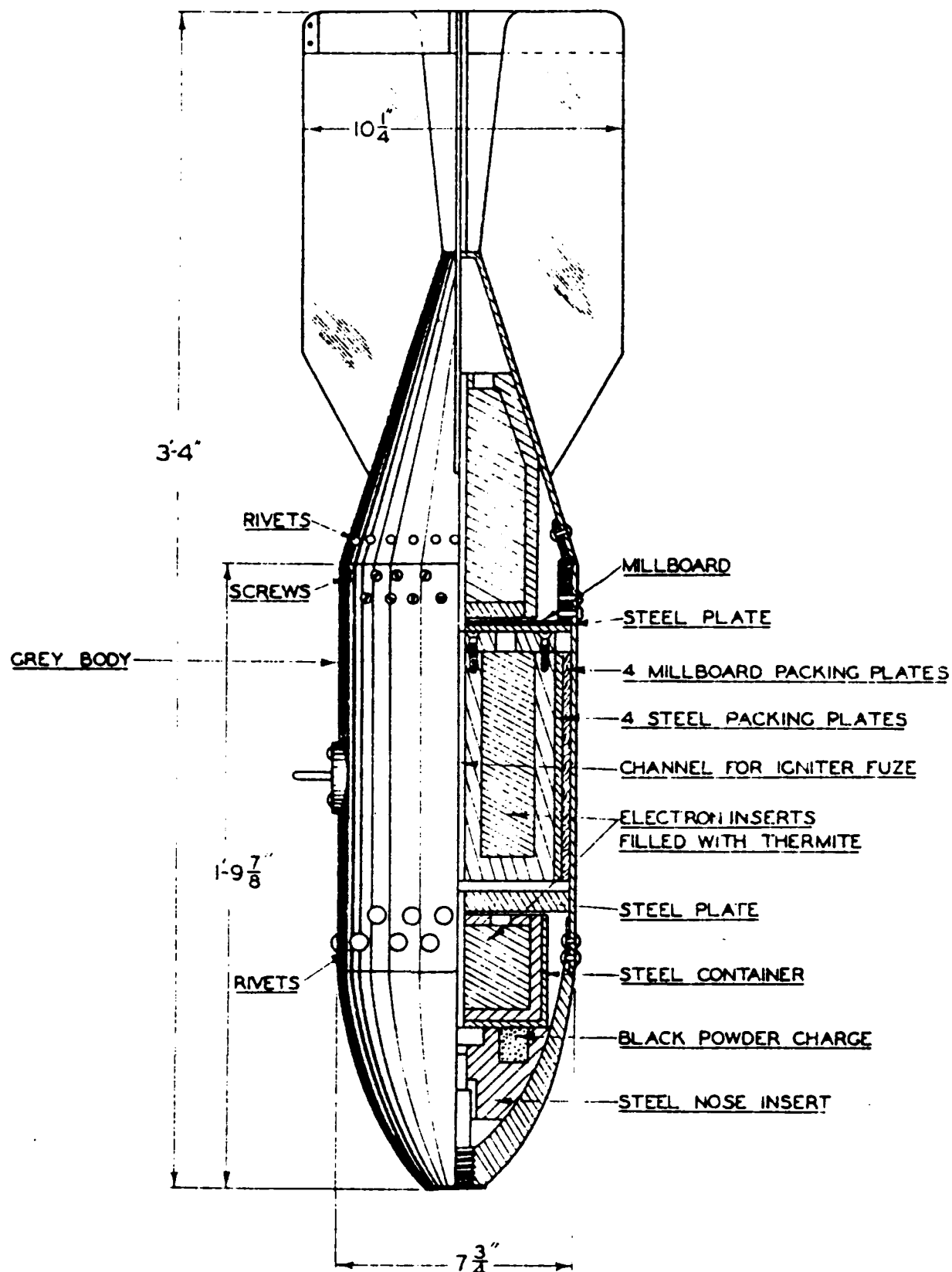
8. DISPOSAL PROCEDURE

When demolition in situ is impracticable, render the fuze safe and remove to a suitable area for disposal.

9. SPECIAL PRECAUTIONS

BOMB, INCENDIARY, AIRCRAFT 70 K.G.

TYPE 98, MARK 6, No.7, MODEL I.



BOMB, INCENDIARY, AIRCRAFT - 70 K.G.1. JAPANESE NOMENCLATURE.

Type 1, No. 7, Mark 6, Model 3.

2. BRANCH OF SERVICE.

Navy Air Force.

3. USE.4. FUZZING.

Nose - A.3 (A)

5. DETAILS.

Length overall.....	3' 6"
Length of body.....	1' 9"
Diameter.....	9 1/2"
Width diagonally across tail fins..	1' 1-1/4"
Wall thickness.....	1/8"
Weight complete.....	77 KG
Weight of filling.....	
Main filling.....	approx. 520 rubber segments impregnated iron and aluminium.
Colour	Grey
Markings.....	(a) Red nose boss (b) Red stabilizer bands. (c) Thin red line running longitudinally around bomb.
New Colour and Markings.....	Green/Red, Grey, Red.

6. DESCRIPTION.

- (a) This bomb differs from that described in Section 5, Leaflet 7/10, only insofar as the incendiary filling is concerned.
- (b) The incendiary filling consists of approx. 520 rubber segments impregnated in iron and aluminium.

7. ACTION.

Functions instantaneously or with short delay, depending upon gain selection and scatters the incendiary pellets over a wide area.

8. DISPOSAL PROCEDURE.

When demolition in situ is impracticable, render the fuze safe and remove to a suitable area or trench for disposal.

9. SPECIAL PRECAUTIONS.

BOMB, INCENDIARY, AIRCRAFT 70 KG

1. JAPANESE NOMENCLATURE

Type 1, No. 7, Mark 6, Model 3, Mod. 1

2. BRANCH OF SERVICE

Army Air Force

3. USE

4. FUELING

Nose A. 3 (A)

5. DETAILS

Length Overall..... 3' 6"
Length of body..... 4' 9"
Diameter..... 9 1/2"
Width diagonally across tail fins..... 1' 1 1/4"
Wall thickness..... 1/8"
Weight complete..... 77 KG
Weight of filling..... 54 KG
Main filling..... 182 Cylindrical rubber pellets,
bedded in ignition powder
Colour..... Grey
Markings..... (a) Red nose boss
(b) Red stabilizer bands
(c) Thin red line running longitudinally around bomb.
New colour and markings..... Green/Red, Grey, Red.

6. DESCRIPTION

(a) See drawing.

(b) The bomb consists of a **cylindrical** steel body to which is welded a cast steel nose. To the rear end of the body is rivetted and welded a conical shaped tail unit, ~~which is provided with~~ four tail fins and stabilizer bands. The incendiary pellets are cylindrical in shape, each 2 1/8" long by 1 1/2" in diameter.

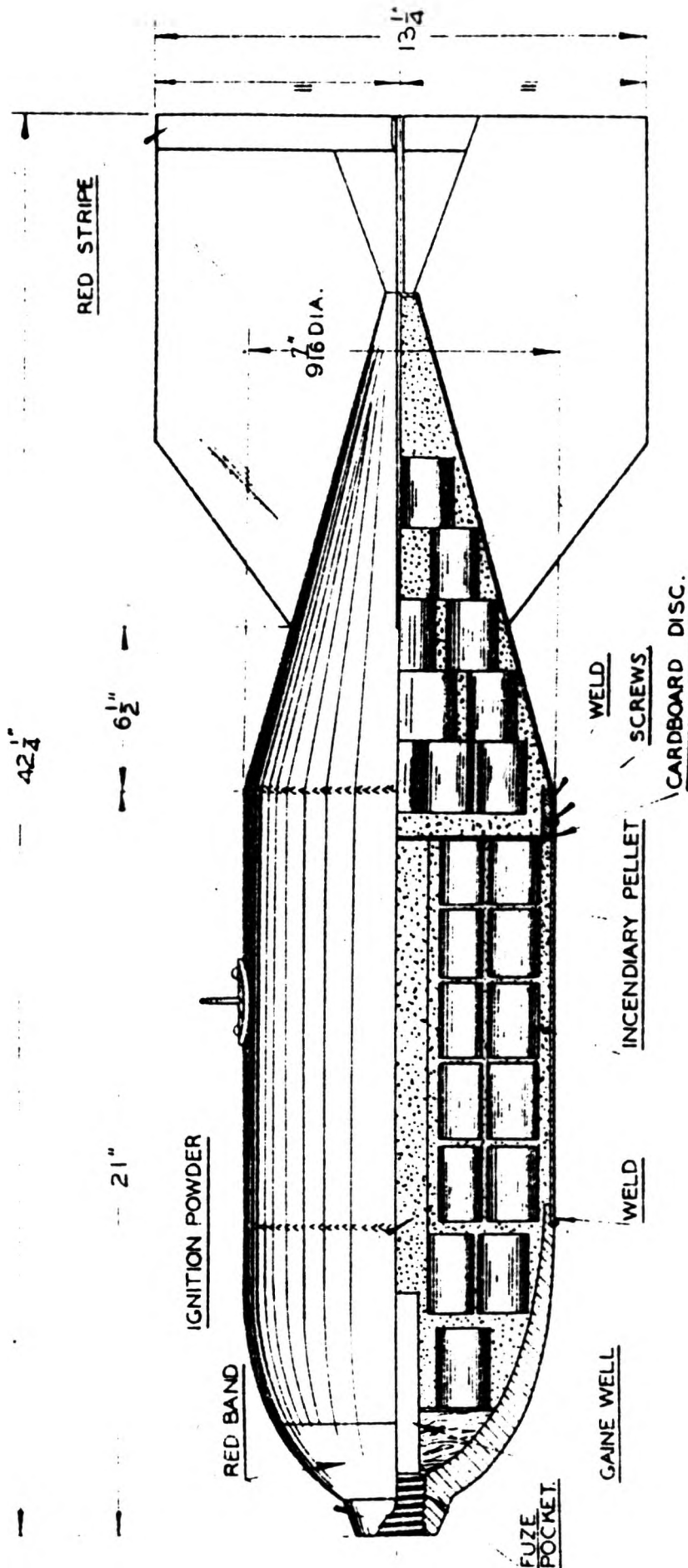
7. ACTION

Functions instantaneously or with short delay, depending upon gain selection and scatters the incendiary pellets over a wide area.

8. DISPOSAL

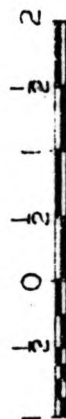
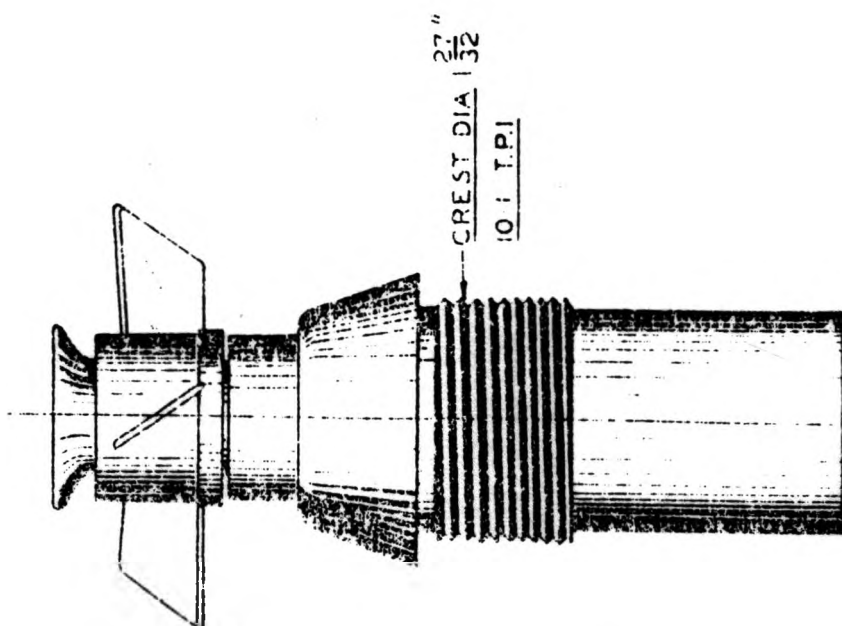
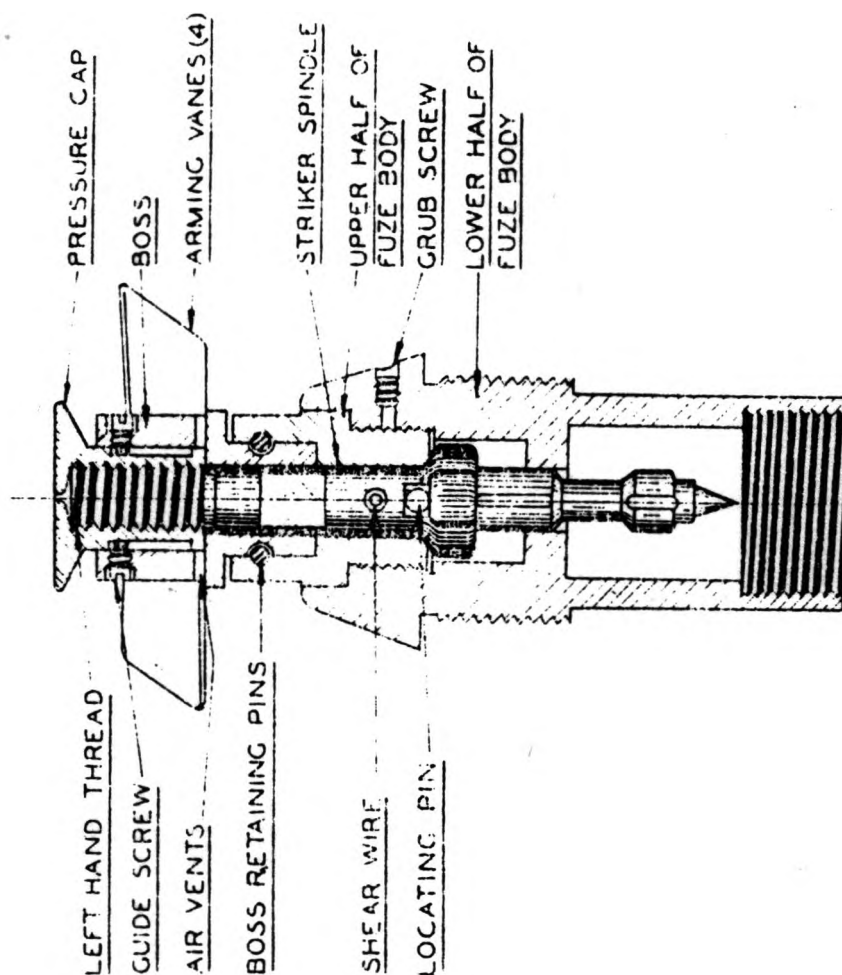
When demolition in situ is impracticable, render the fuse safe and remove to a suitable area or trench for disposal.

BOMB, INCENDIARY, AIRCRAFT 70 K.G.
 TYPE, MARK 6, N°7, MODEL 3, MOD. I.



FUZE, BOMB, NOSE. — INSTANTANEOUS OR DELAY.

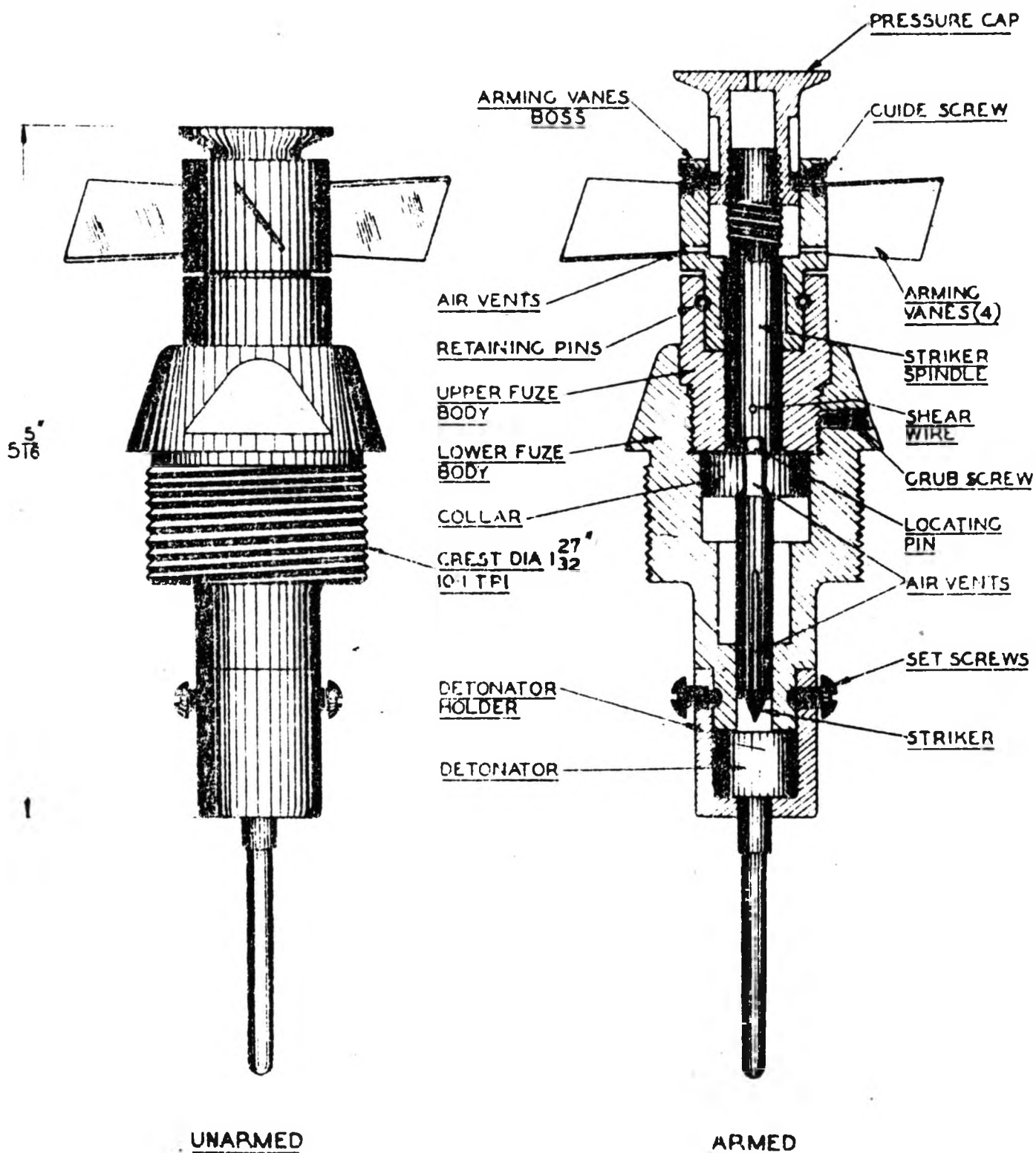
A 1(A)



SCALE — INCHES

FUZE. BOMB. NOSE. INST. OR DELAY.'TYPE 90 NOSE PRIMING MECHANISM.'

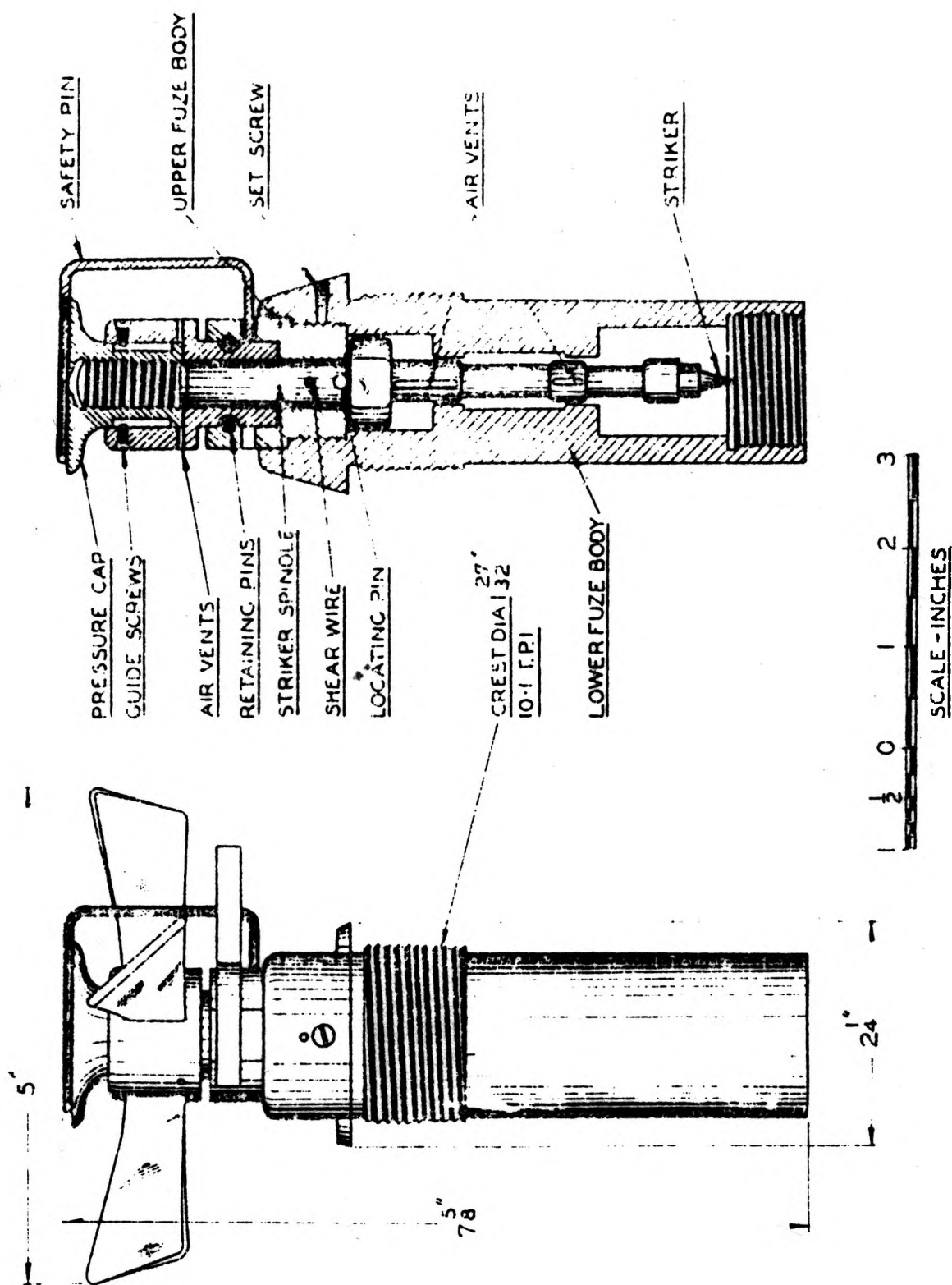
A1(B)



SCALE - INCHES

FUZE. BOMB. NOSE. INST. OR DELAY.

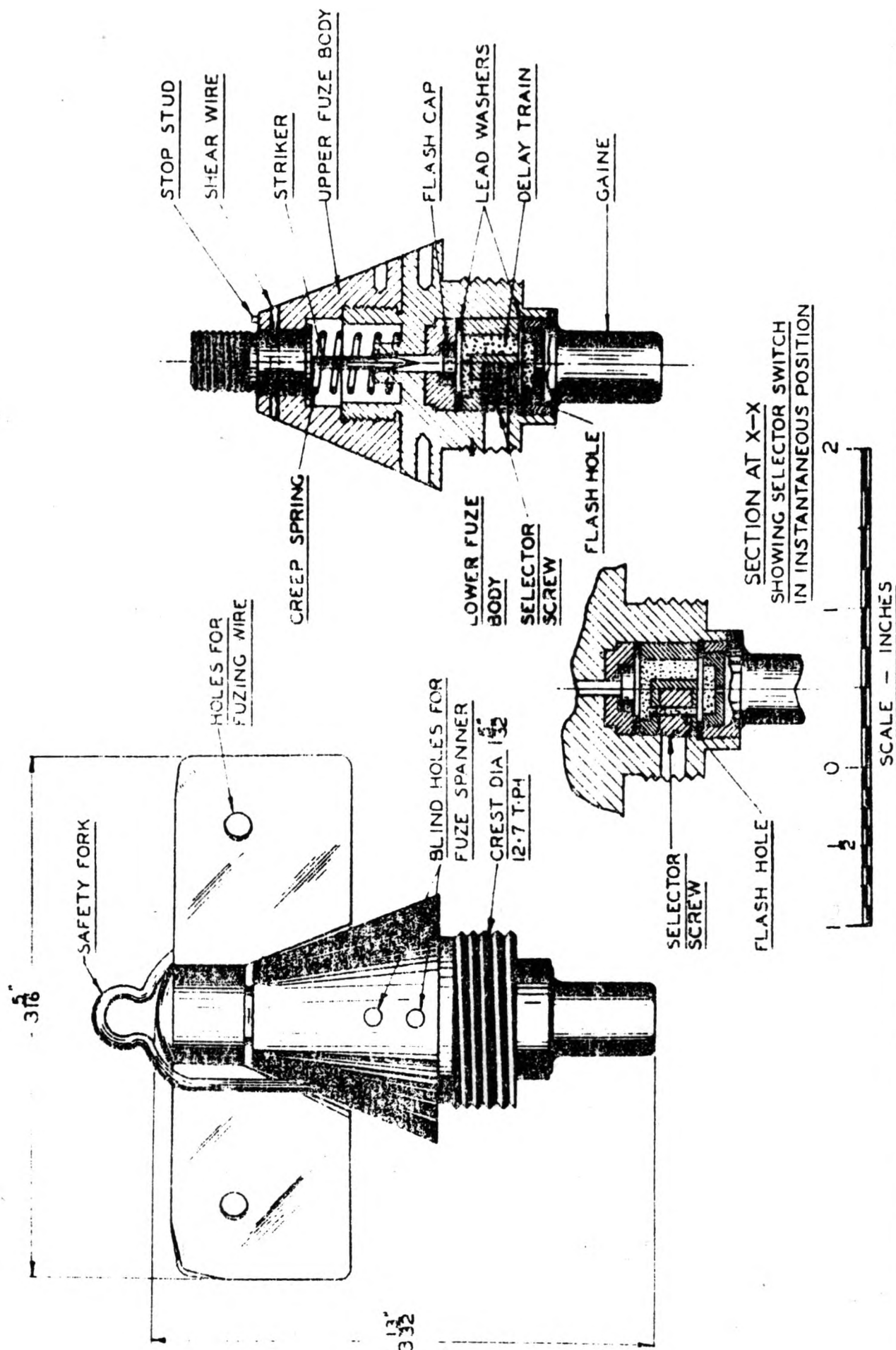
A I. (C)

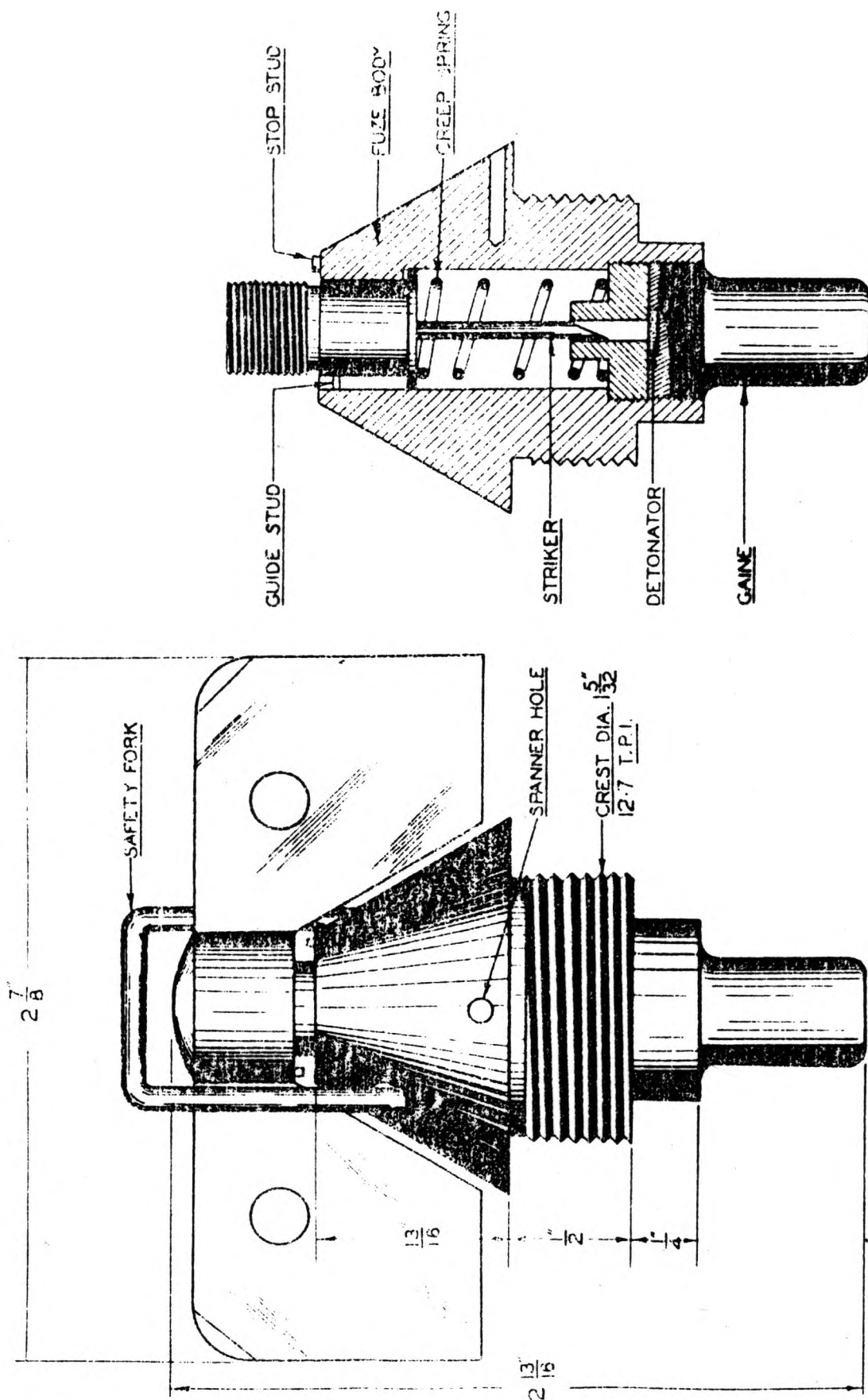


FUZE, BOMB, NOSE.— INSTANTANEOUS OR DELAY

TYPE 93, INST.— SHORT DELAY NOSE FUZE

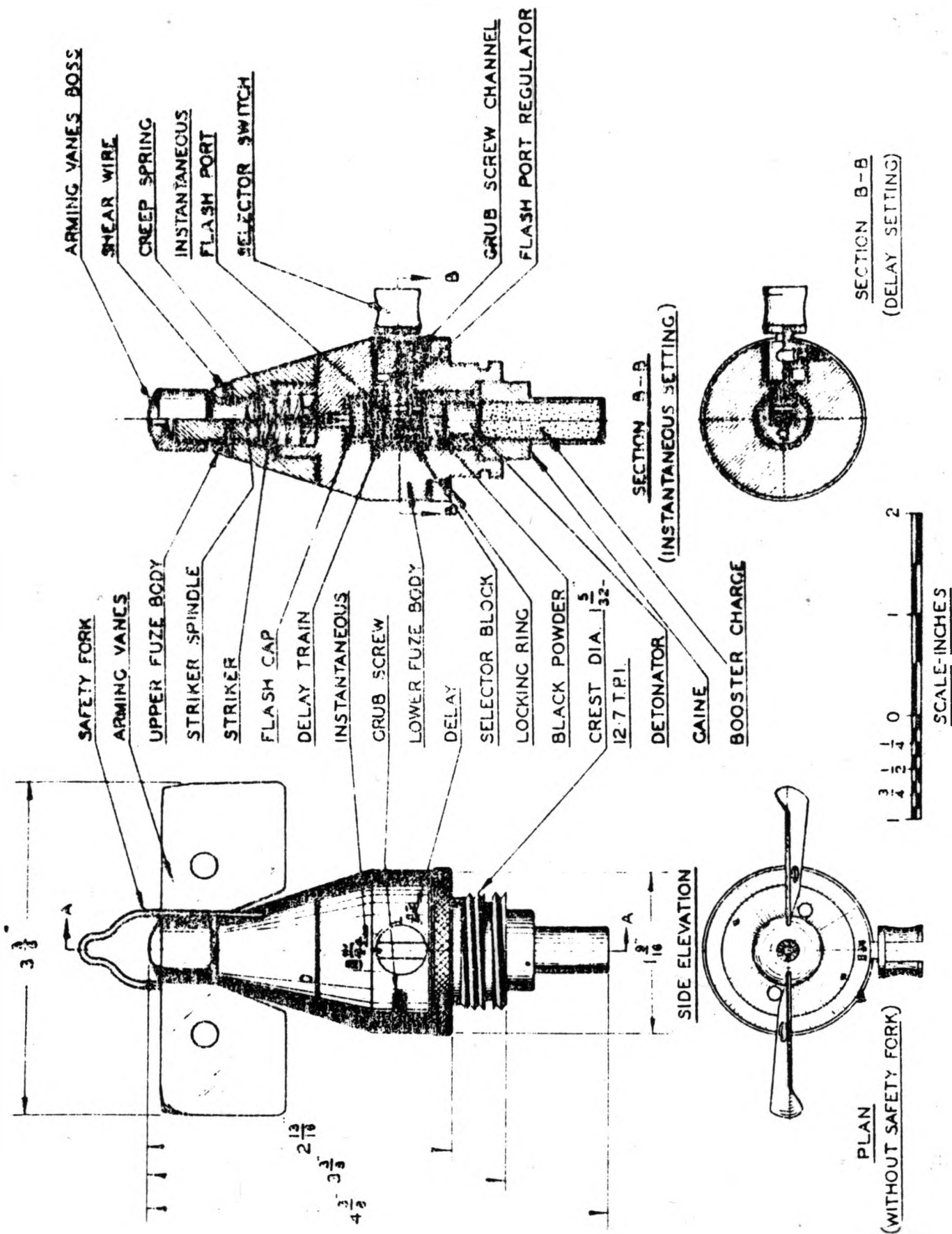
A2(A)



FUZE. BOMB. NOSE. INSTANTANEOUS."TYPE 12, YEAR INST. NOSE FUZE."A 2. (B)

FUZE. BOMB. NOSE.—INST. OR DELAY.

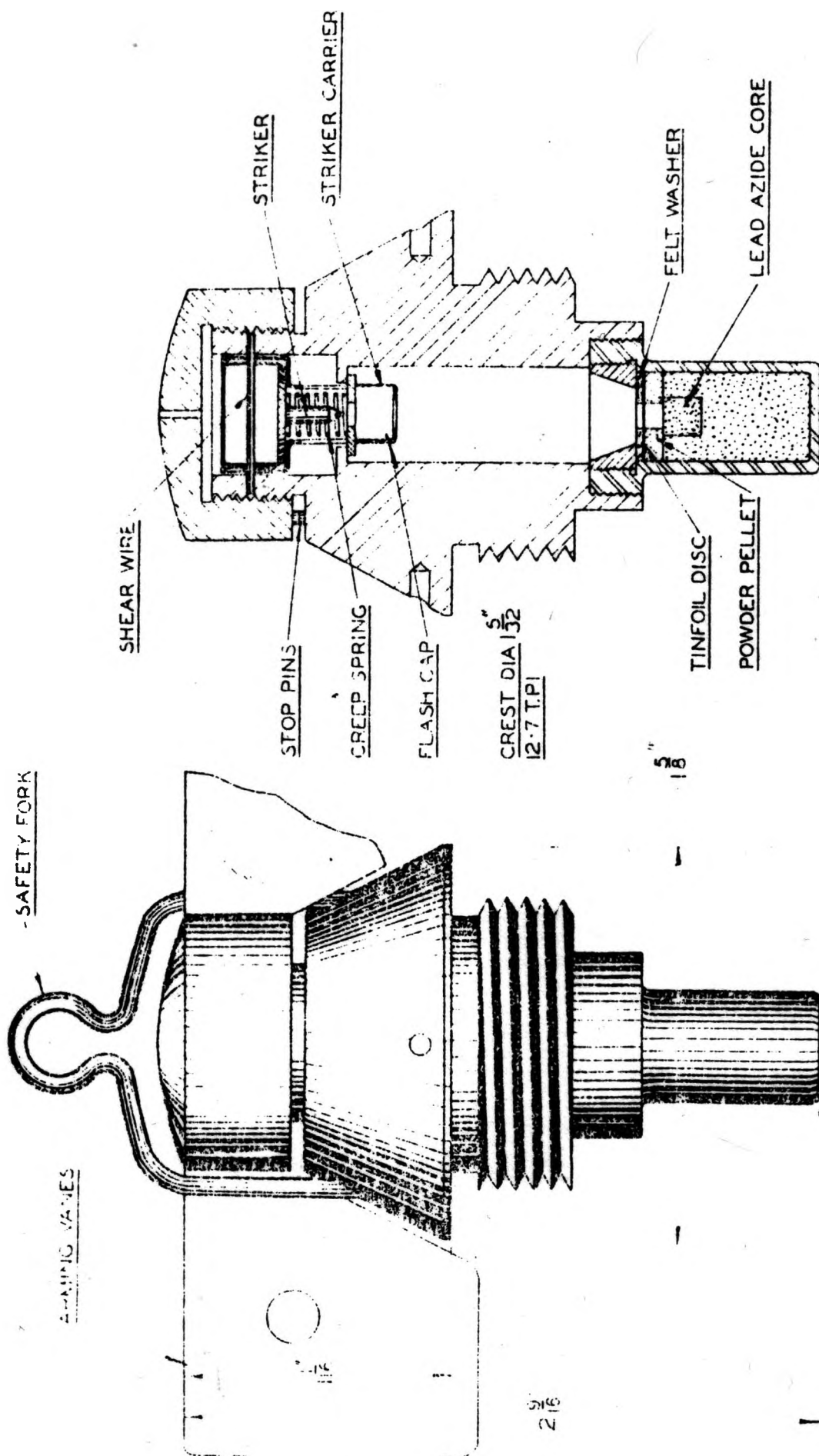
A 2.(C)



FUZE. BOMB. NOSE. INSTANTANEOUS.

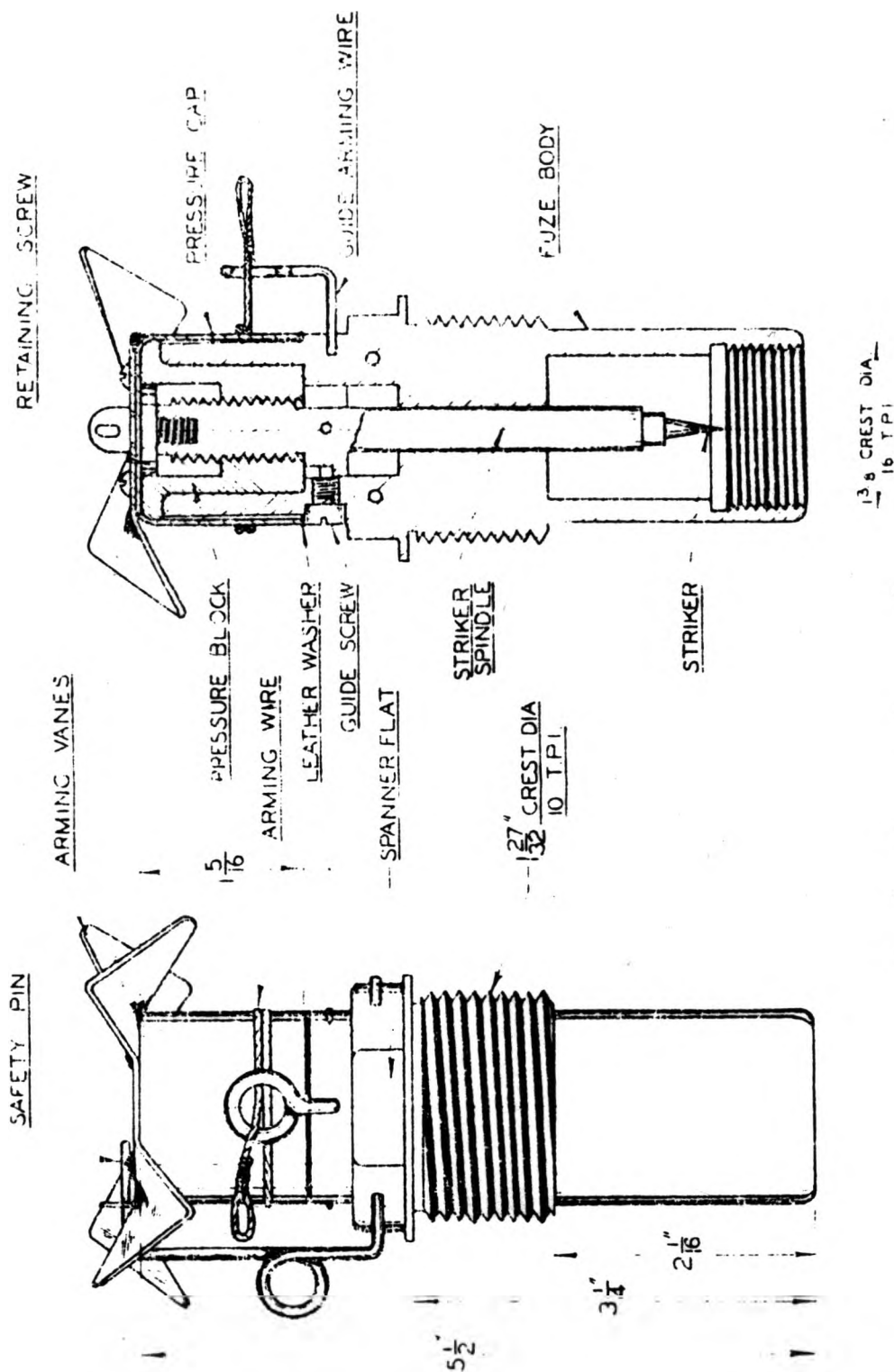
"TYPE I, INSTANTANEOUS NOSE FUZE."

A2.(D)



FUZE BOMB NOSE INSTANTANEOUS OR DELAY

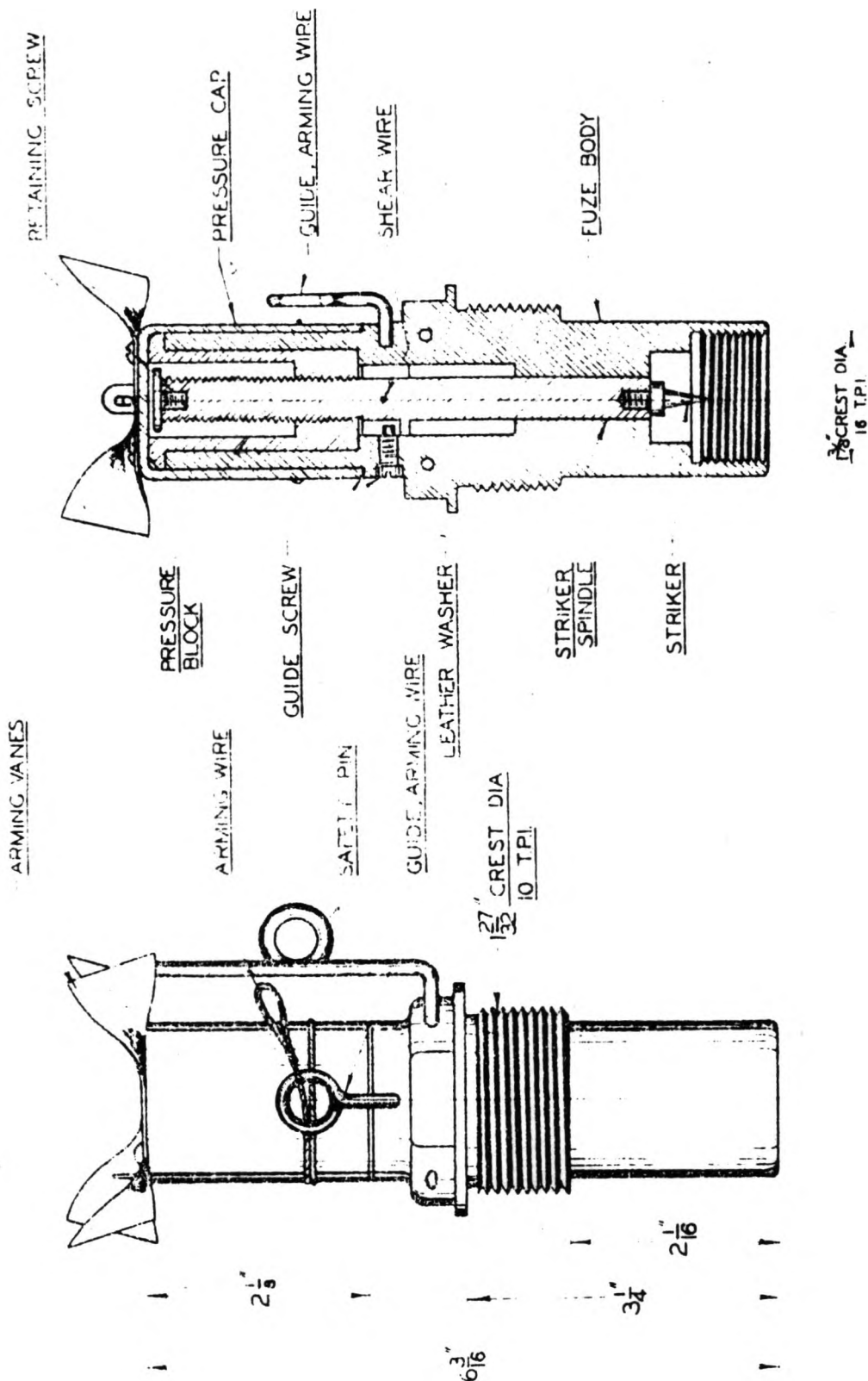
TYPE 97 MODEL 2 MOD. 2 NOSE ARMY MECHANISM

A3(A)

FUZE BOMB NOSE - INSTANTANEOUS OR DELAY

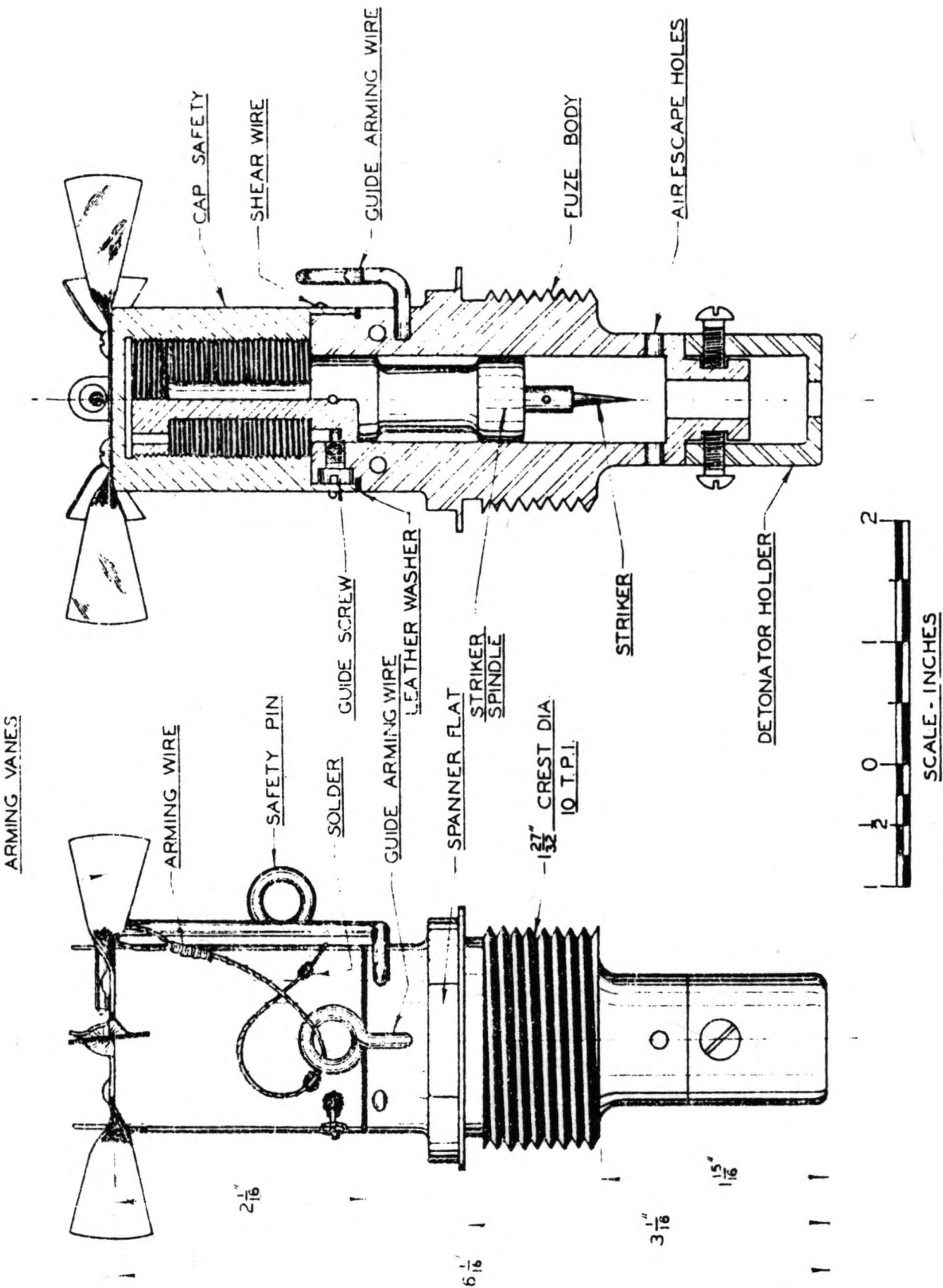
TYPE 1 MODEL 2 MOD 2 NOSE ARMING MECHANISM

A3(B)

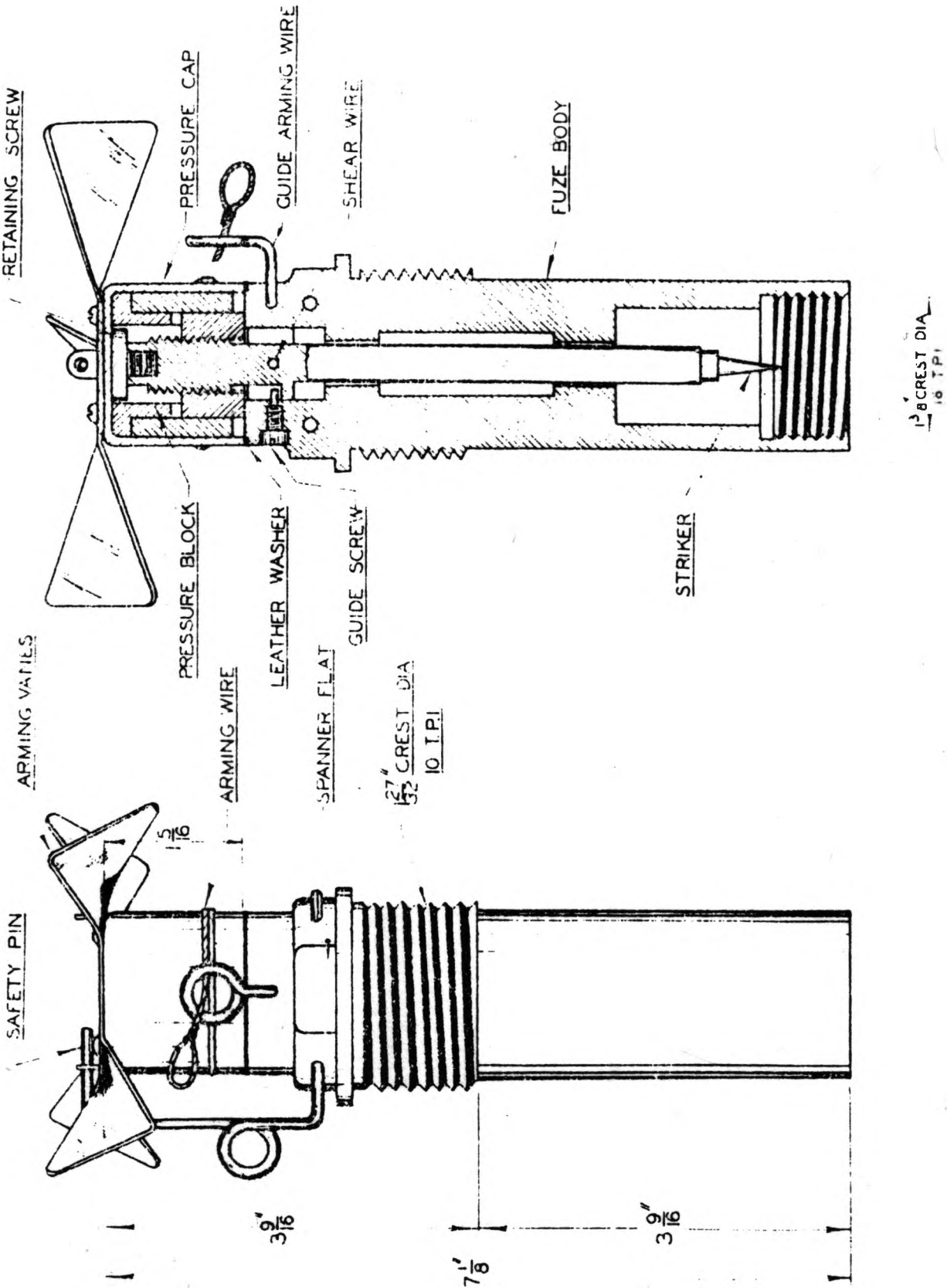


FUZE BOMB NOSE—INSTANTANEOUS OR DELAY

A3(C)



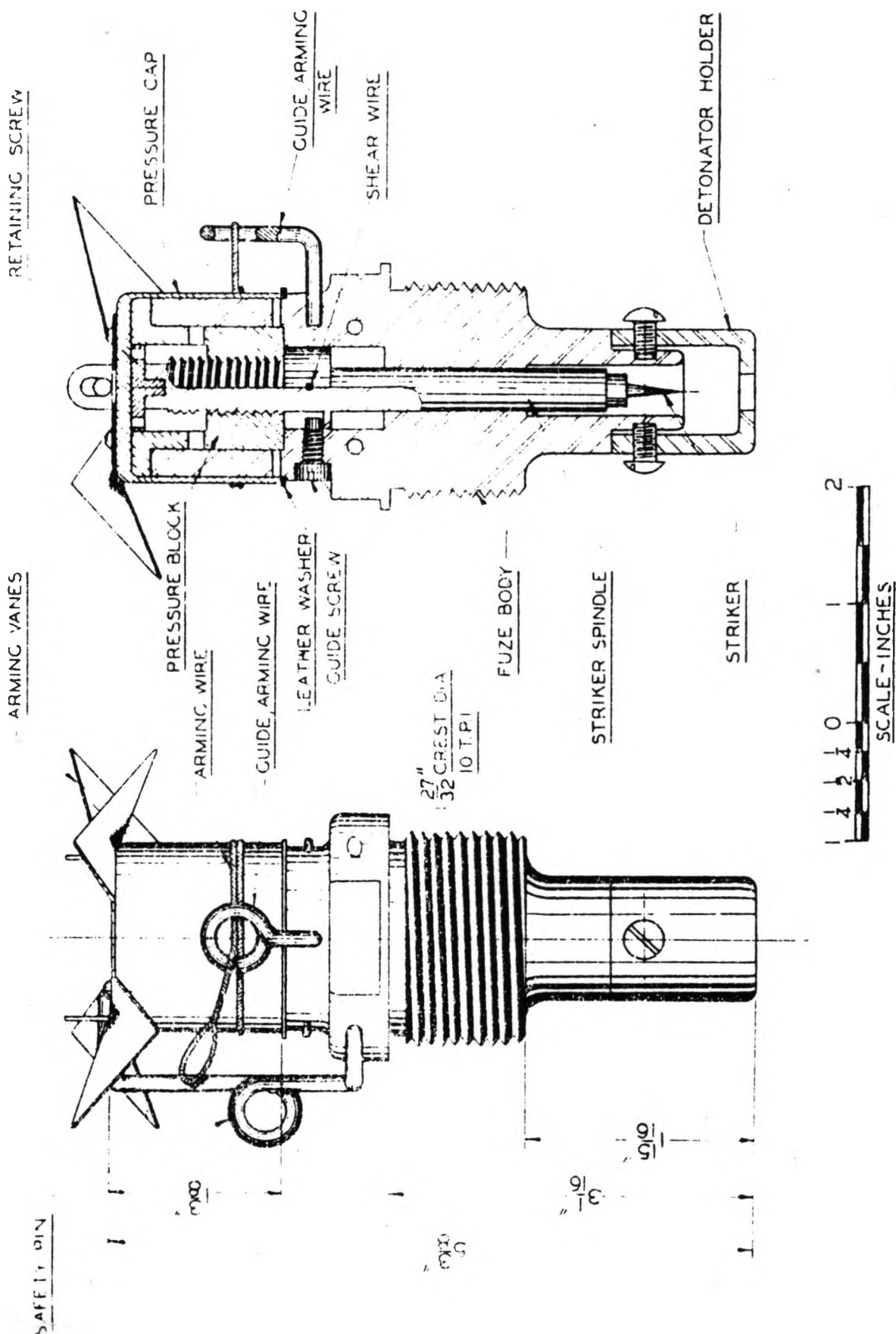
FUZE BOMB NOSE - INSTANTANEOUS OR DELAY
TYPE 97, MARK 2, MODEL 1, NOSE ARMING MECHANISM
A3(D)



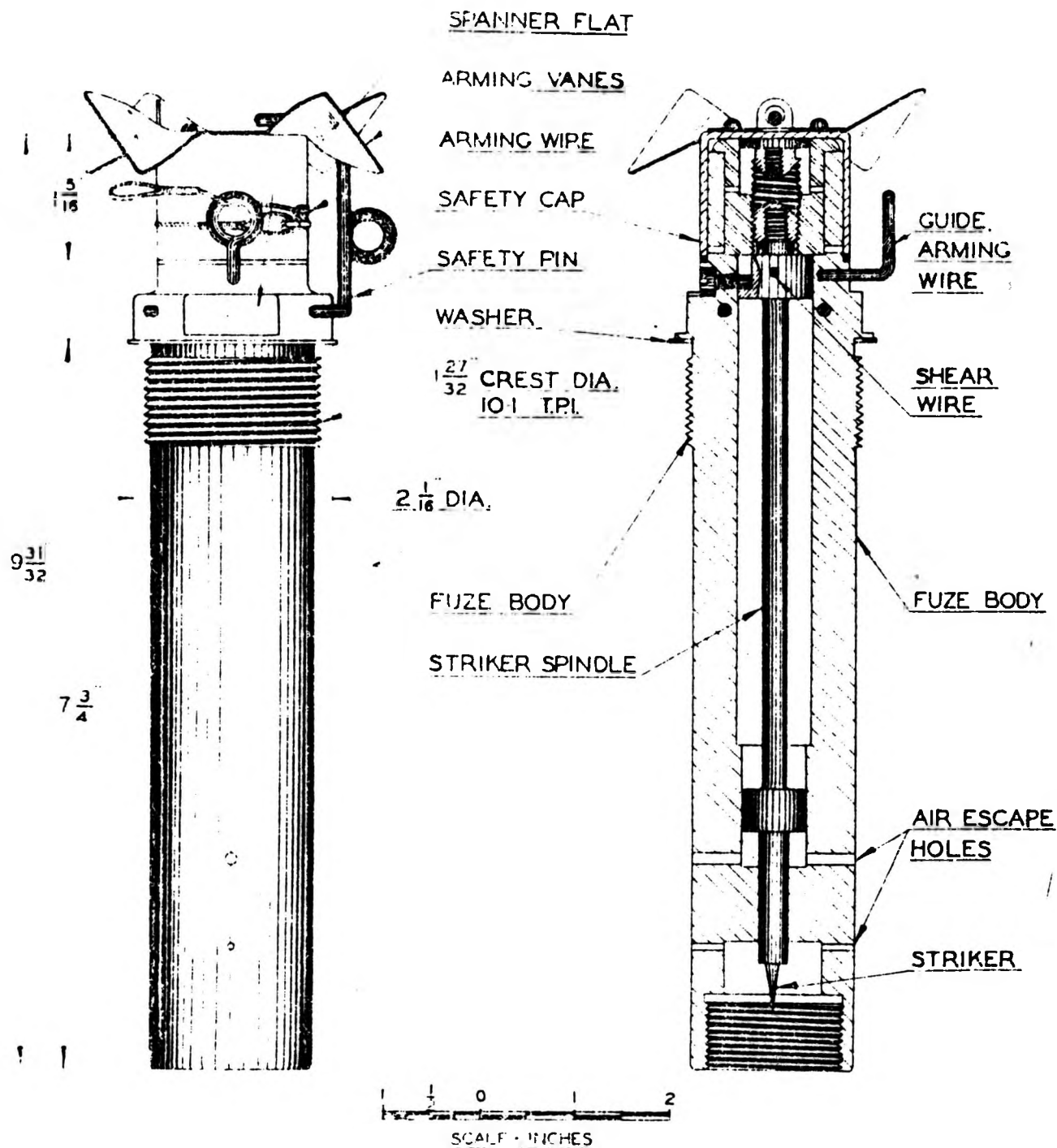
FUZE, BOMB, NOSE — INSTANTANEOUS OR DELAY

"TYPE 2, MODEL 2, NOSE PRIMING MECHANISM."

A3(E)

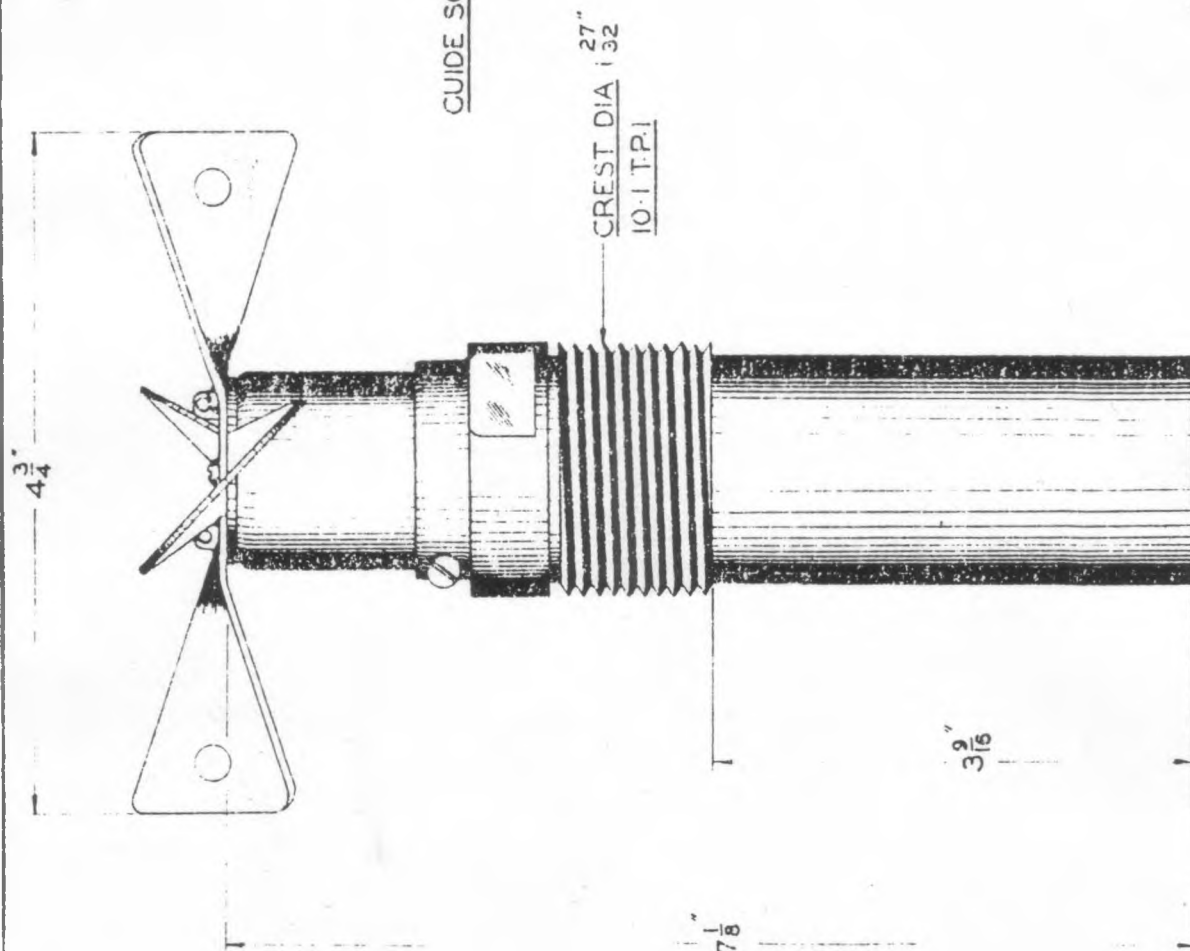
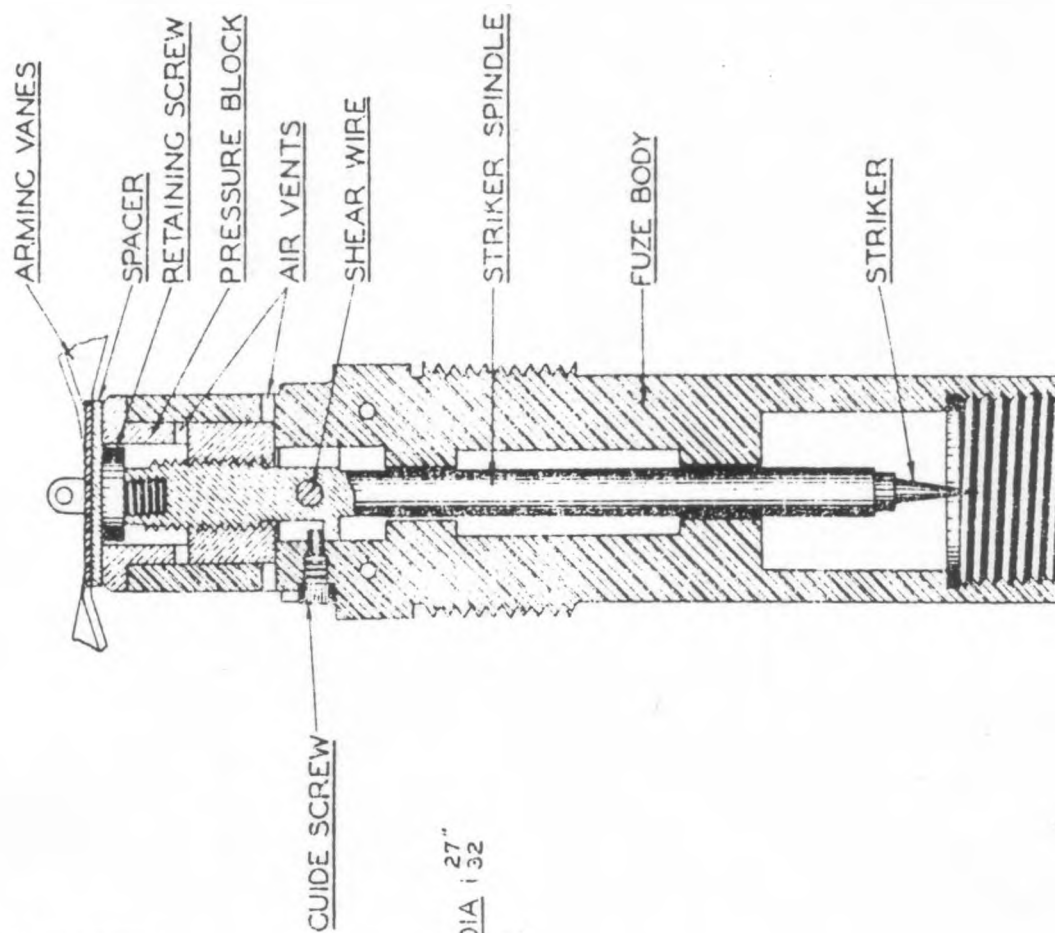


FUZE. BOMB. NOSE-INSTANTANEOUS OR DELAY TYPE 2 No. 50 ORDINARY MODEL 1 A3.(F)

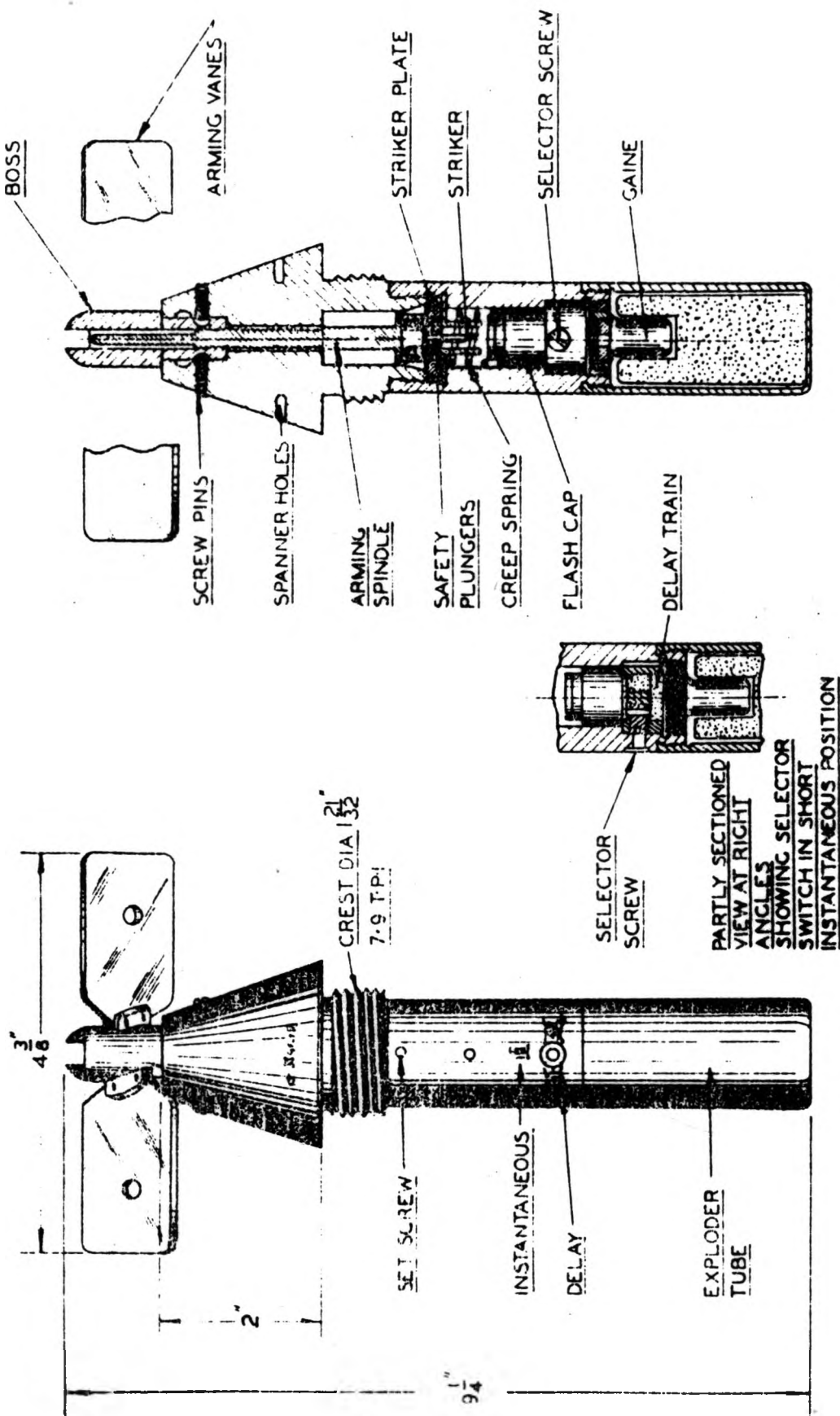


FUZE BOMB NOSE INST. OR DELAY

A 3(G)

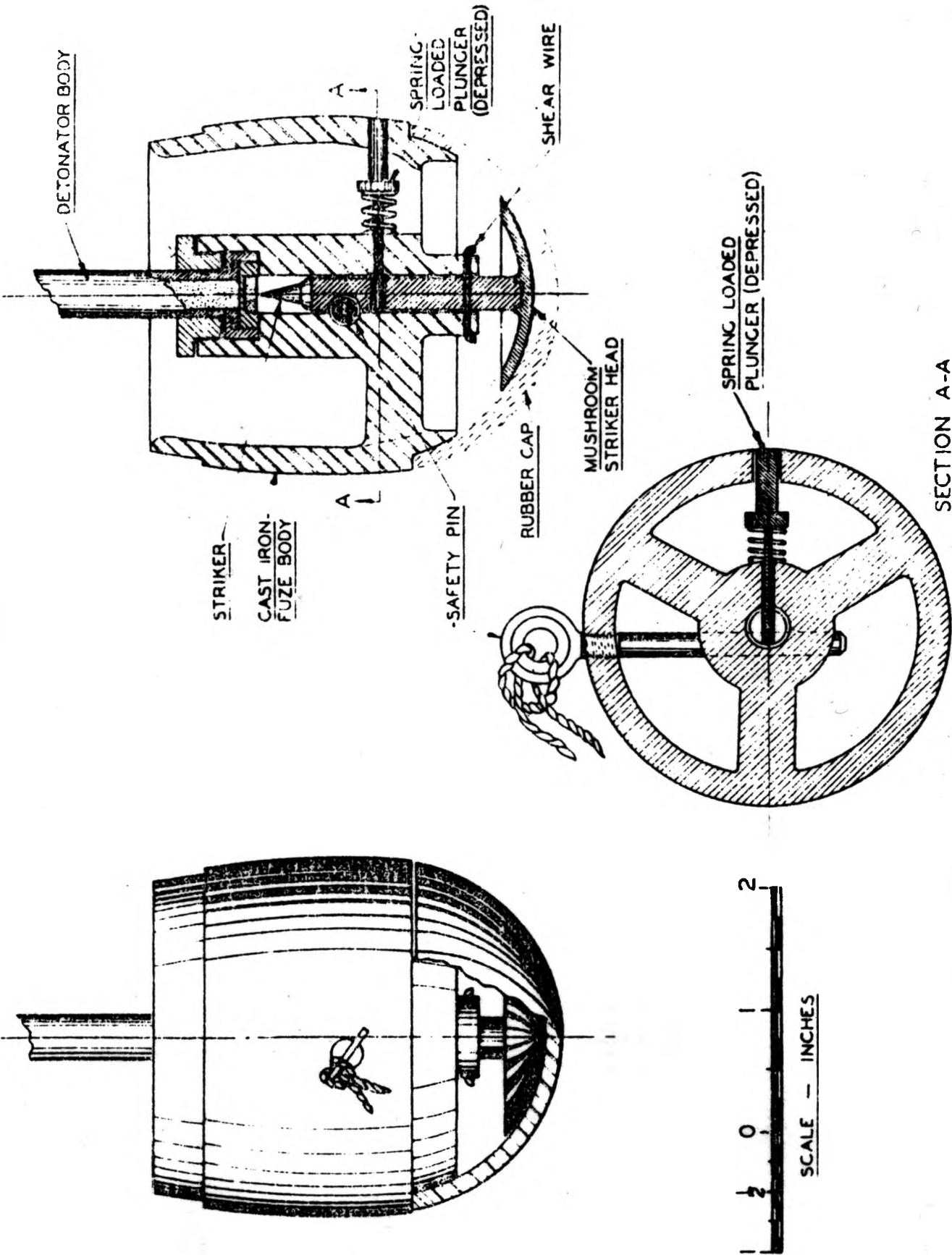


FUZE. BOMB. NOSE. INST. OR DELAY.
"TYPE 92, LARGE BOMB NOSE FUZE."
A 4. (A)



FUZE BOMB NOSE — INSTANTANEOUS

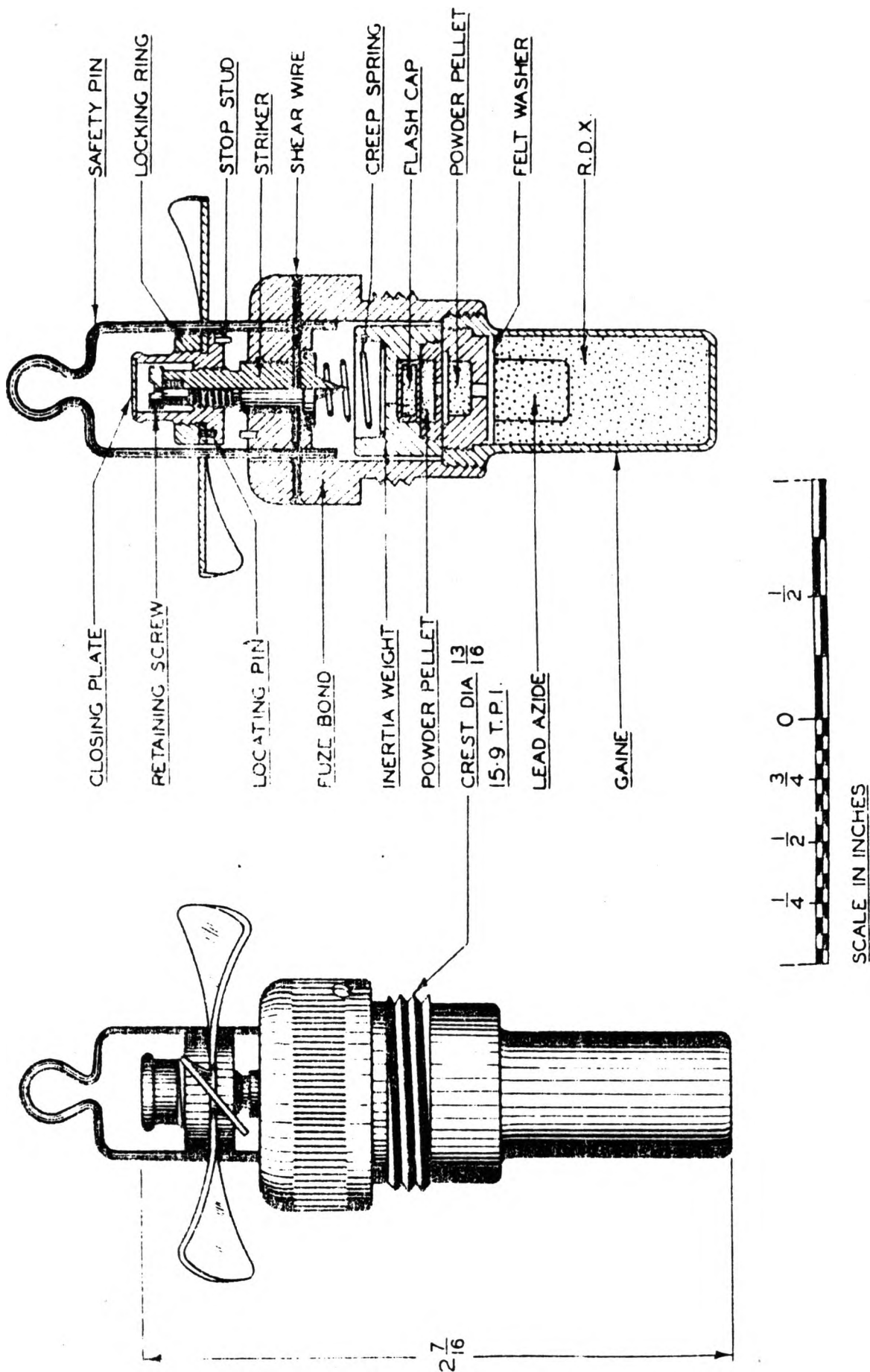
A 5.(A).



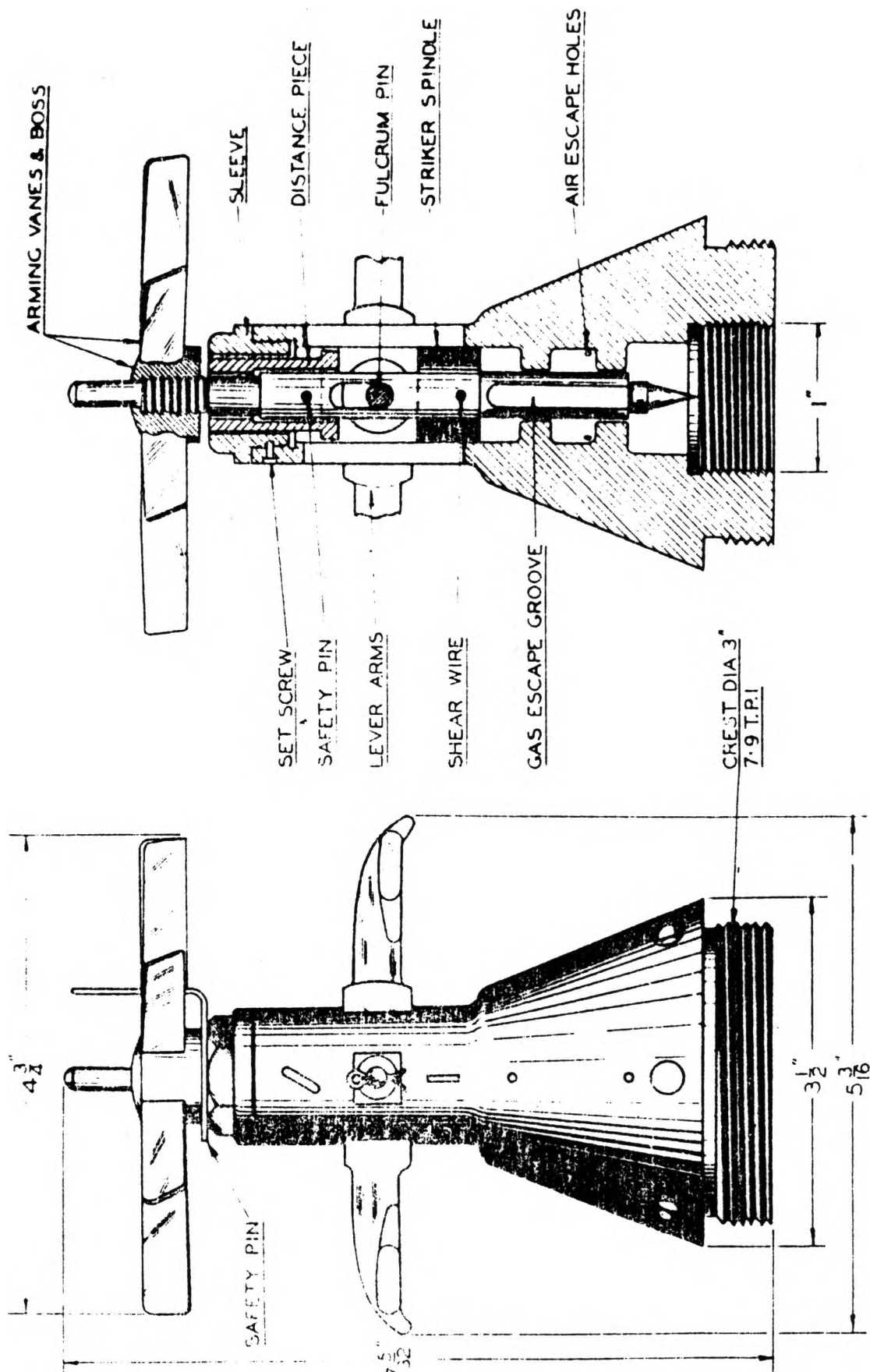
FUZE. BOMB. NOSE. INSTANTANEOUS.

TYPE 3, SMALL BOMB NOSE FUZE.

A6(A)

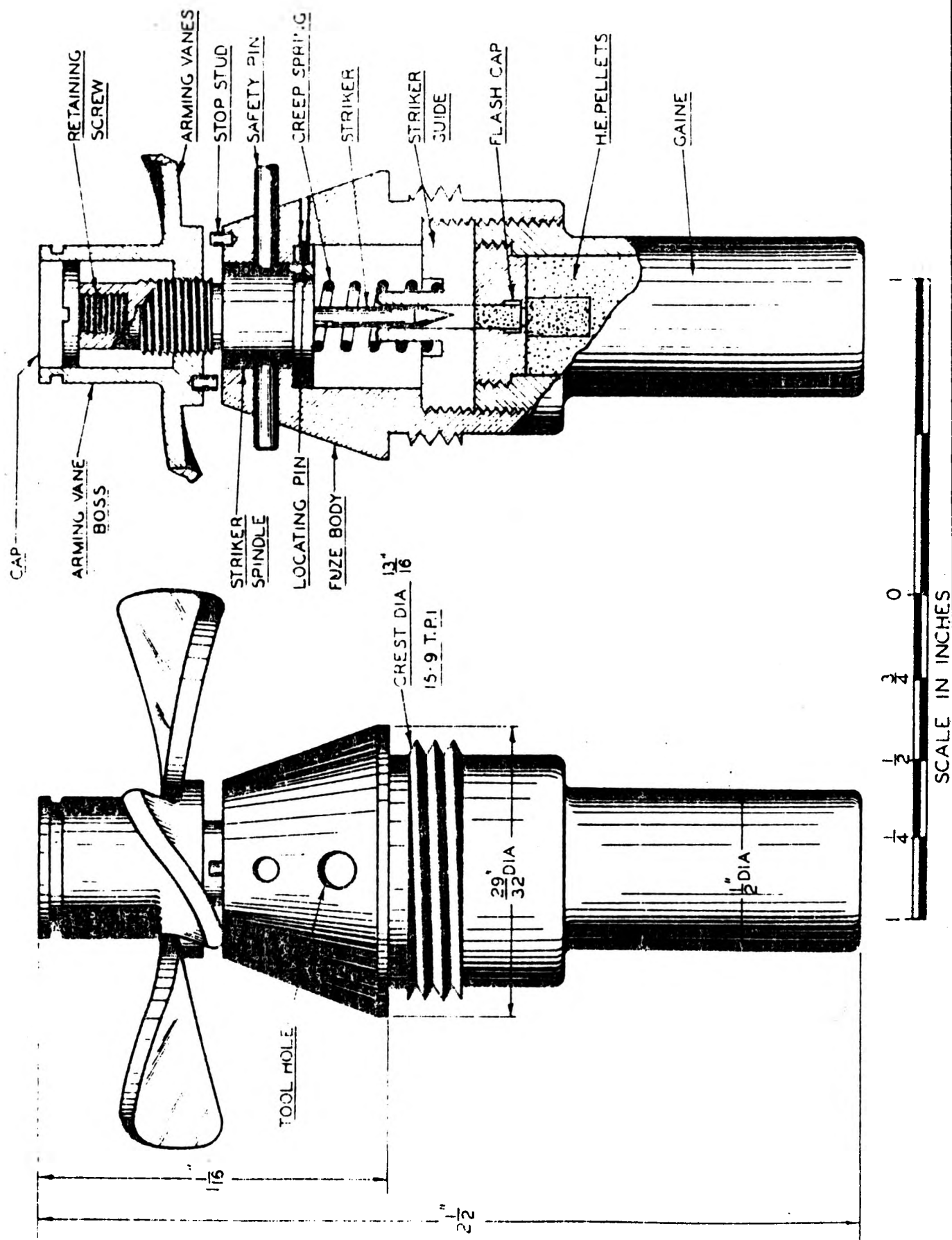


FUZE, BOMB, TAIL.— INSTANTANEOUS OR DELAY.
 TYPE 15, MODEL 1, MODFN. 2, TAIL ARMING MECHANISM
 B 3 (B).



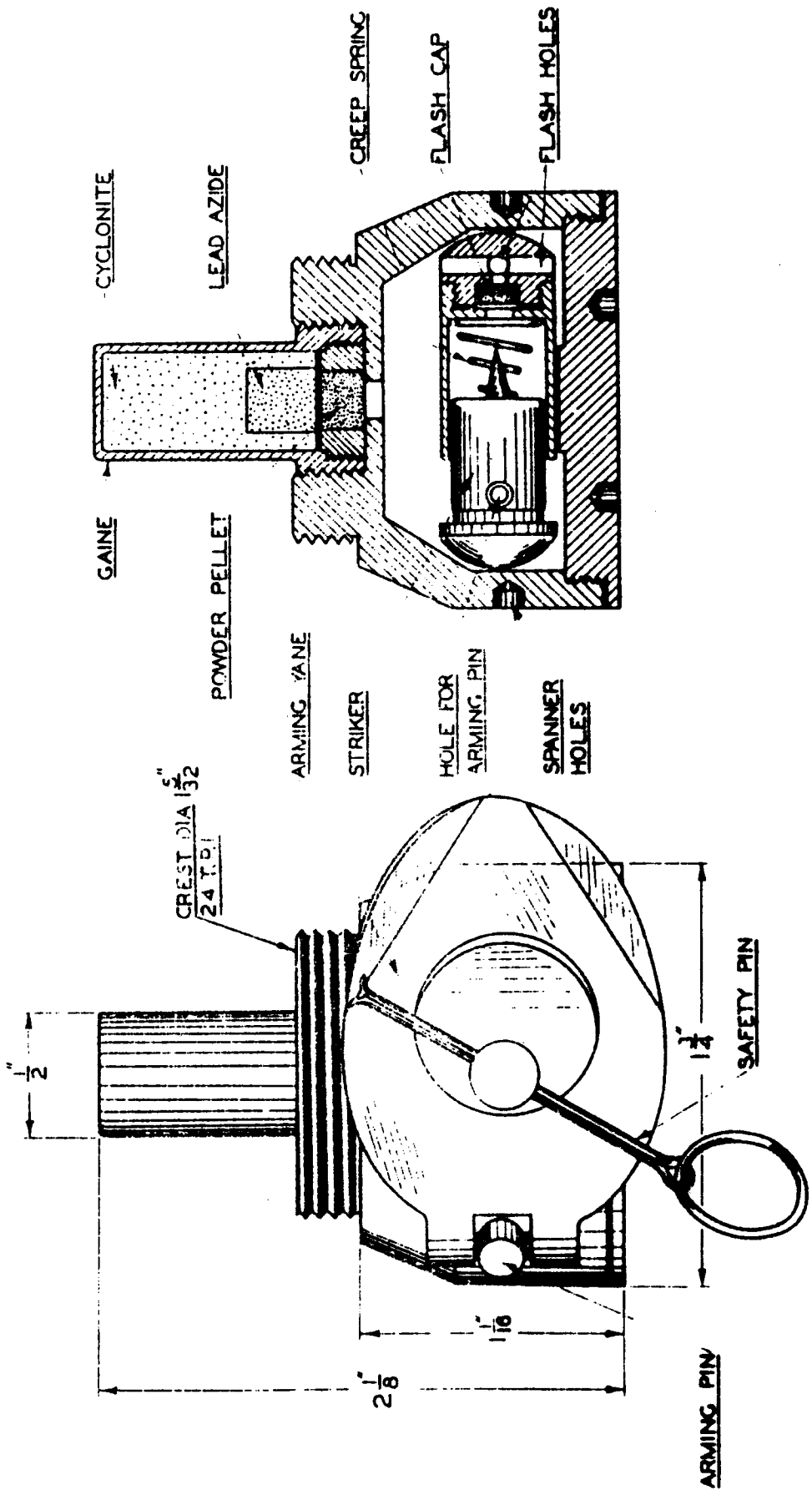
FUZE. BOMB. NOSE. INSTANTANEOUS.

A6. (B)

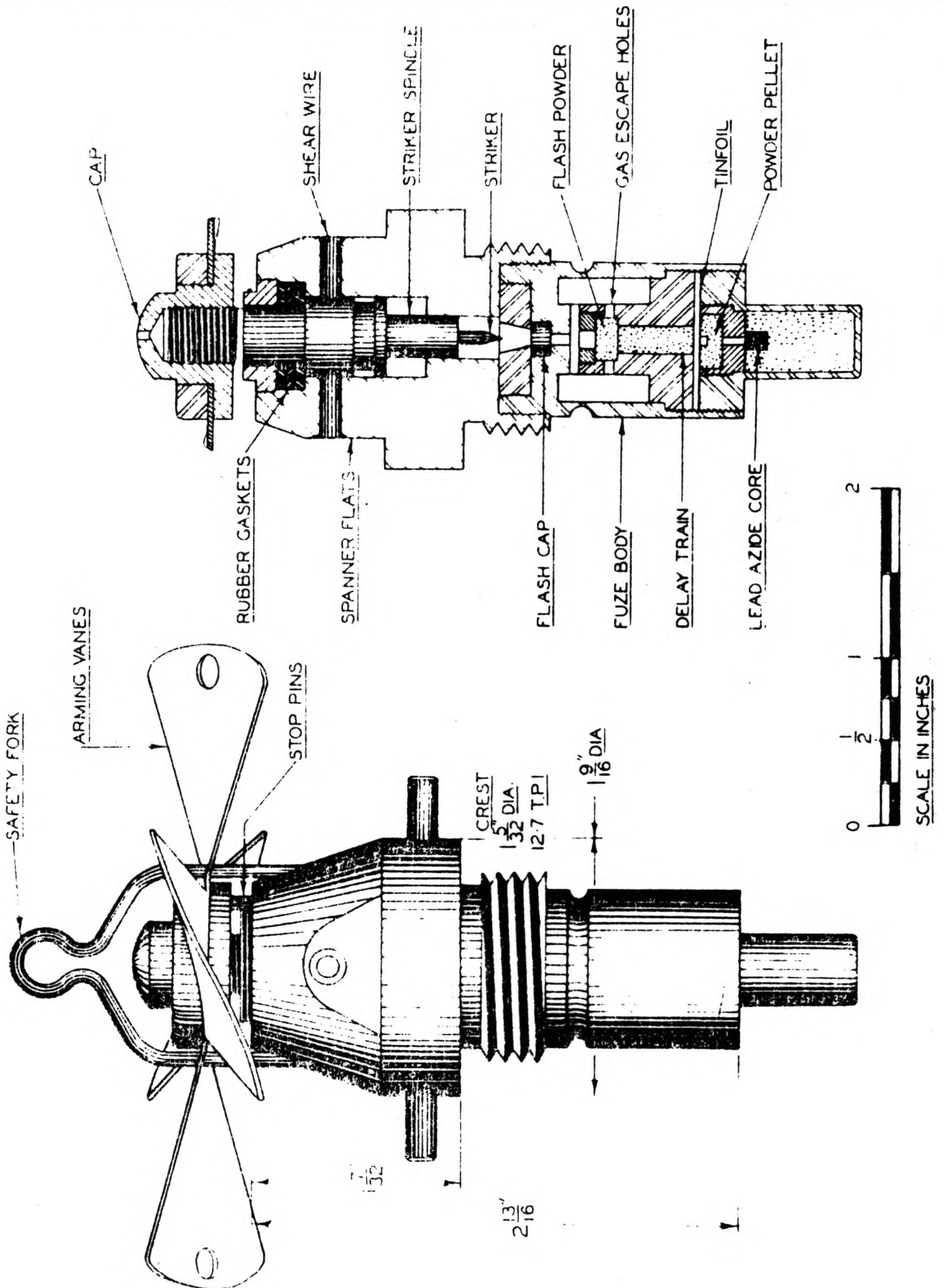


FUZE. BOMB. NOSE. INSTANTANEOUS.

A 7.(A)



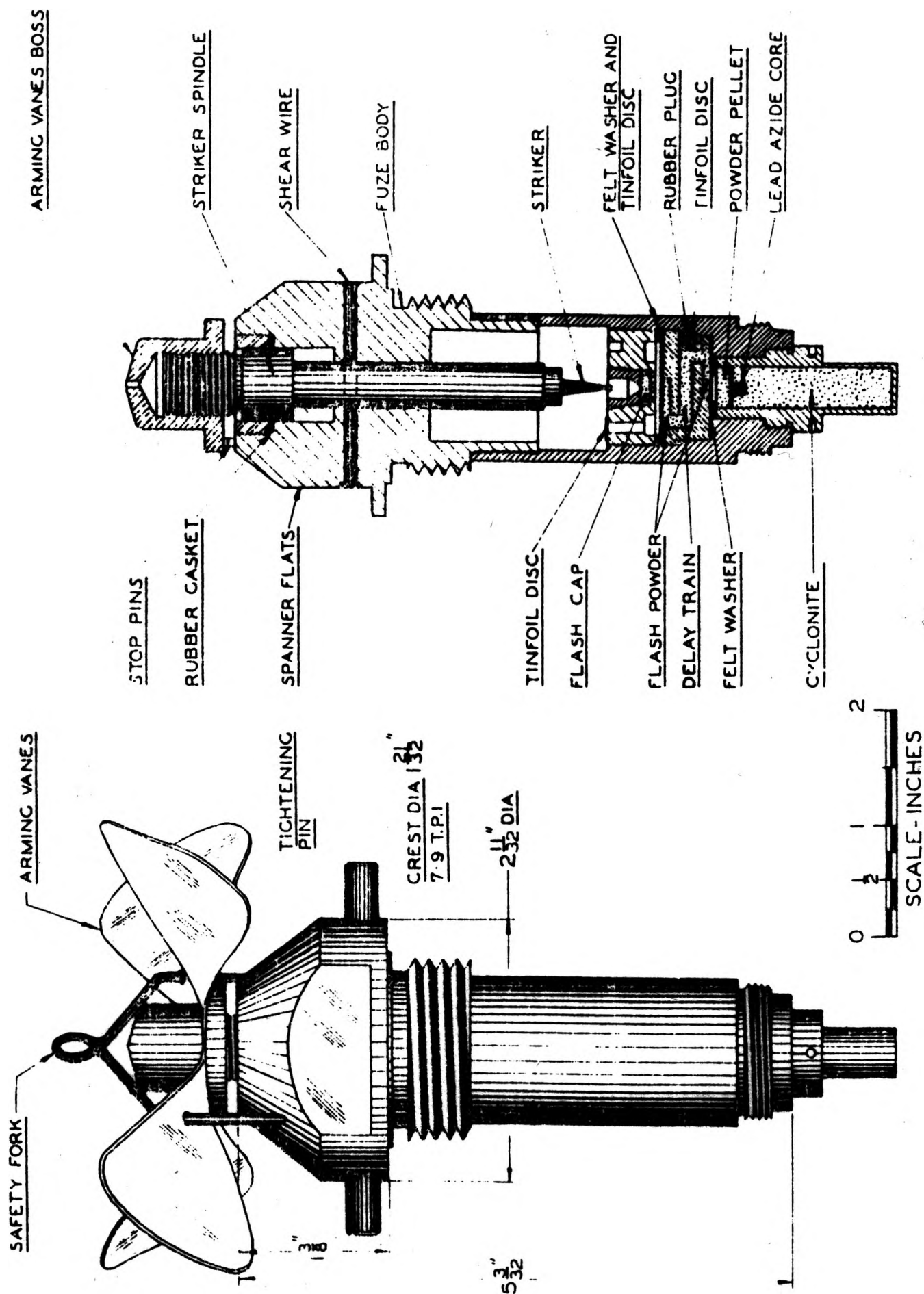
FUZE. BOMB NOSE DELAY.
"TYPE 4, 2 SECOND, DELAY NOSE FUZE."
A 8.(A)



FUZE. BOMB. NOSE. DELAY.

"TYPE 4, 2 SECOND DELAY FUZE FOR LARGE BOMBS."

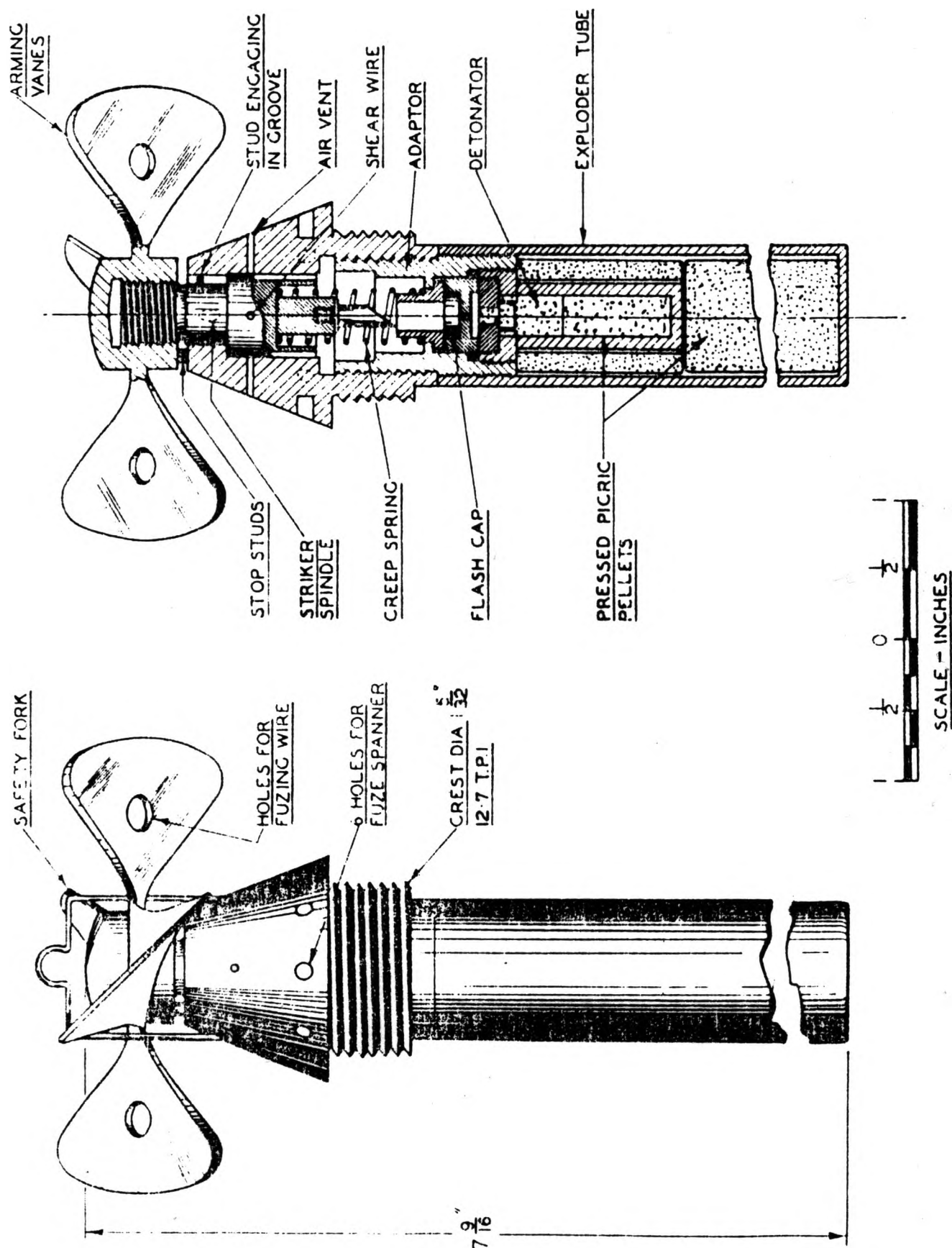
A8. (B)

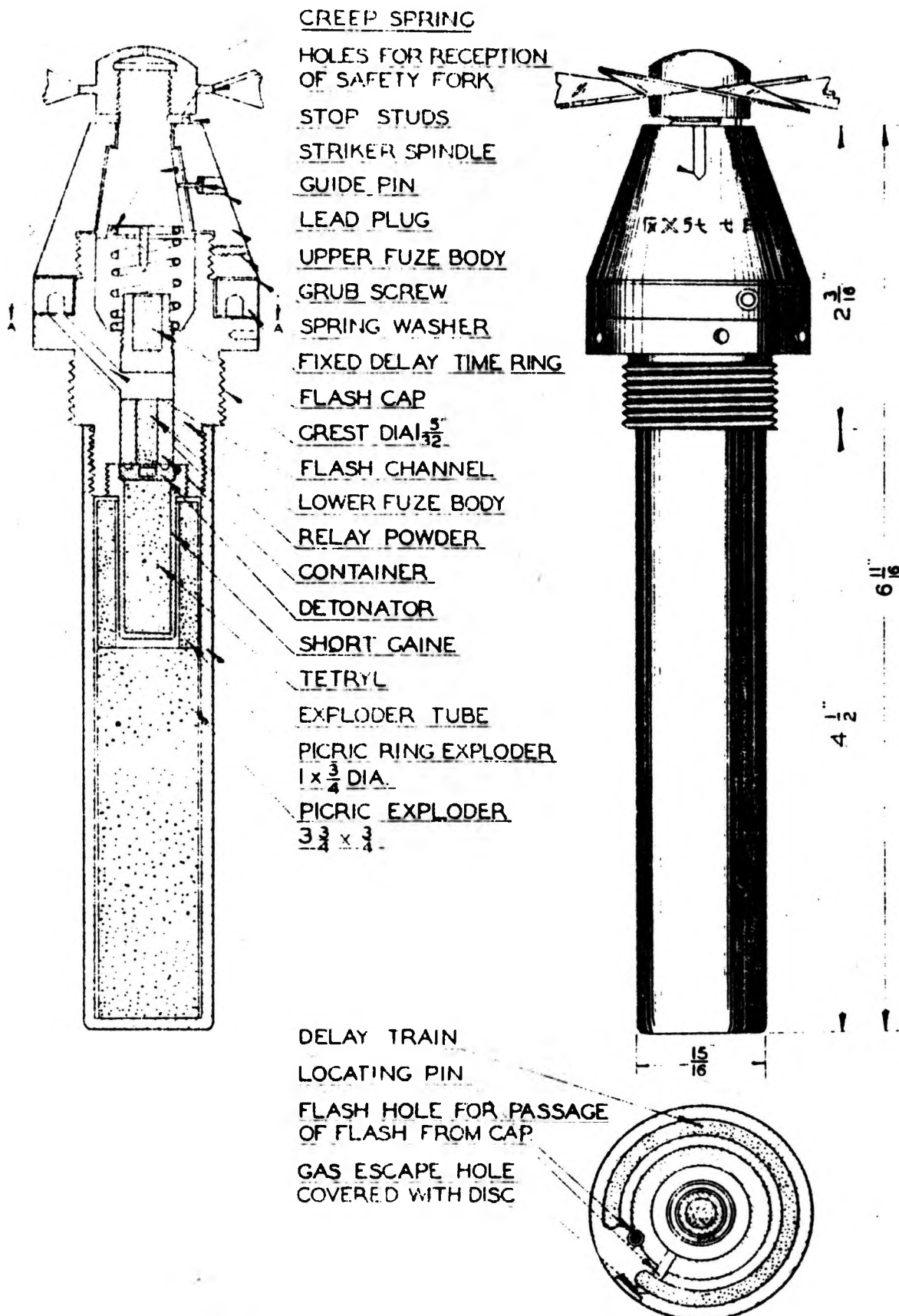


FUZE. BOMB. TAIL. INSTANTANEOUS.

"TYPE 12 YEAR INSTANTANEOUS FUZE."

BI.(A)

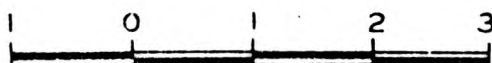
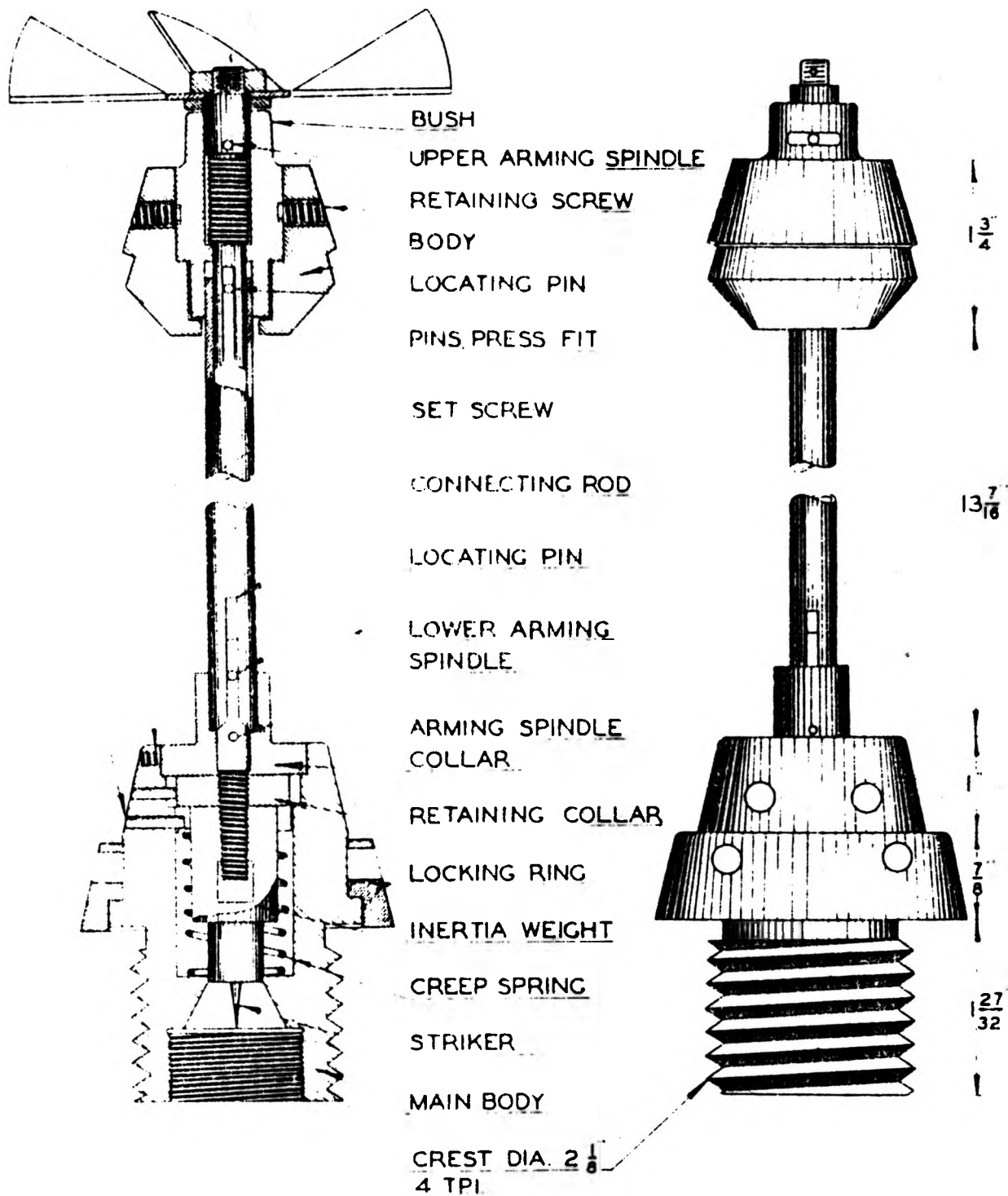


FUZE, BOMB, TAIL, SHORT DELAYTYPE I. 15 SECOND DELAY TAIL FUZEBI. (B)

FUZE BOMB TAIL (NAVY) INSTANTANEOUS OR DELAY

TYPE 99 TAIL ARMING MECHANISM

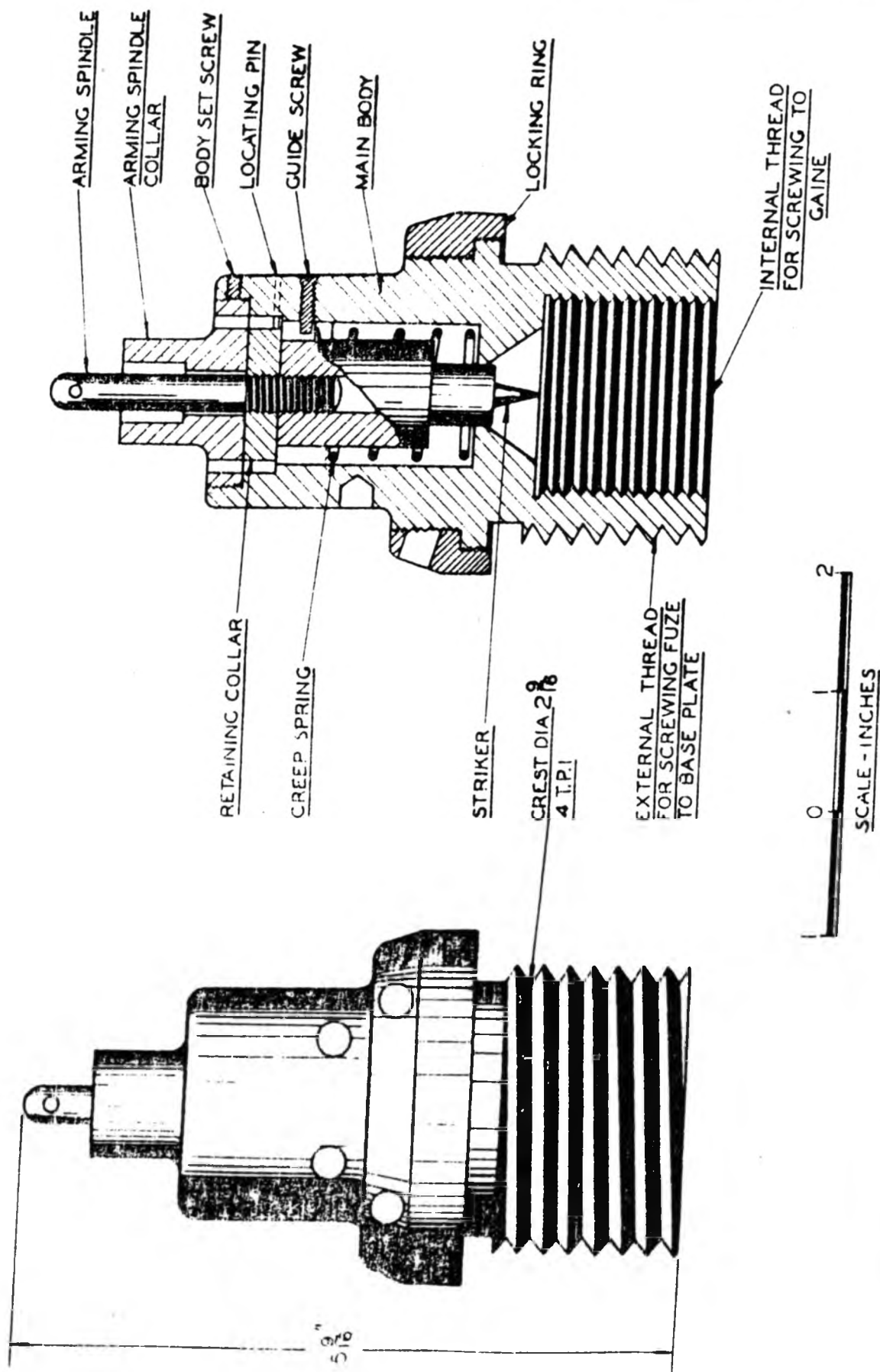
B.2 (A)



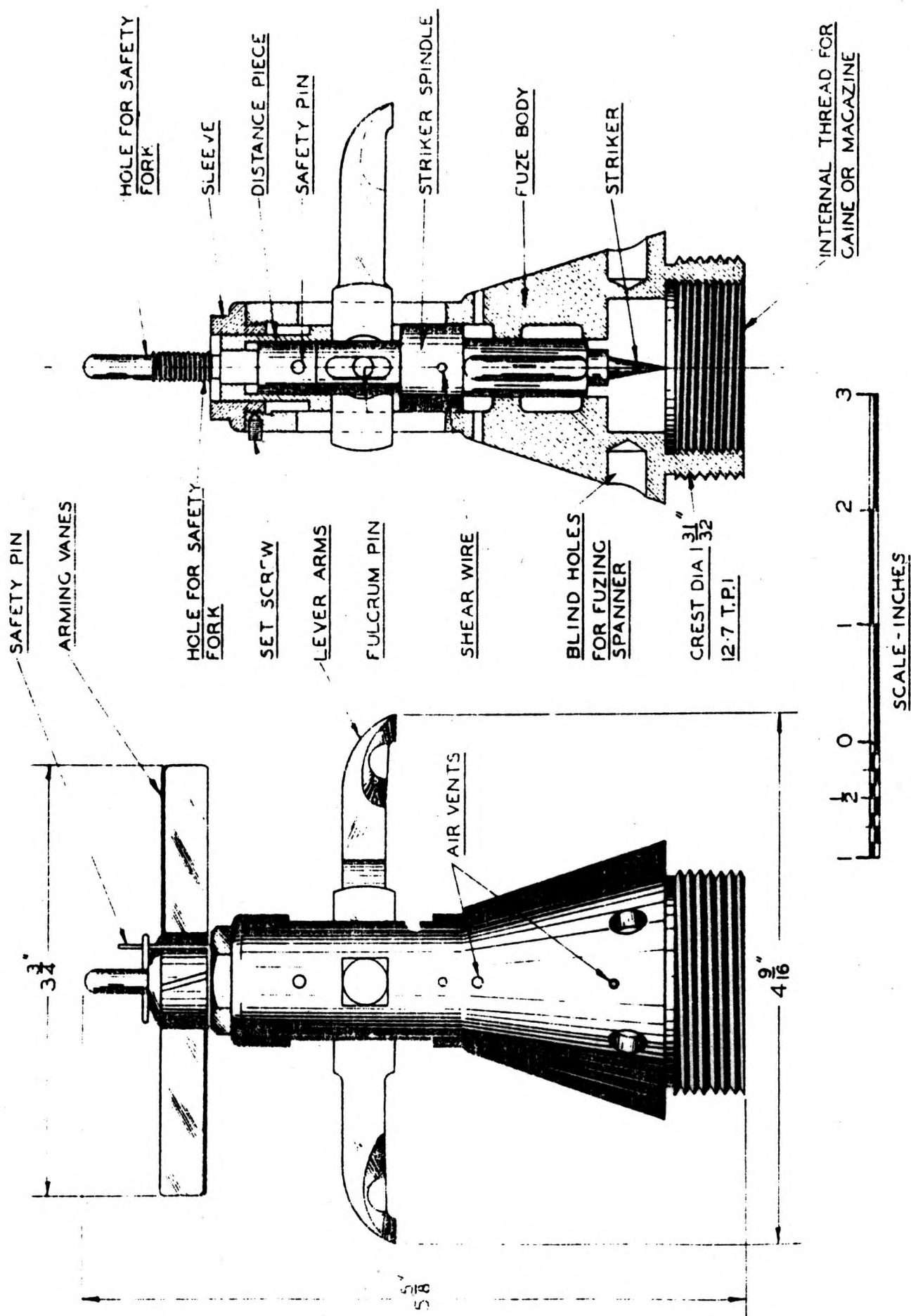
SCALE - INCHES

FUZE. BOMB. TAIL. INST. OR DELAY.
"TYPE 2. No. 50. ORDINARY" TAIL ARMING MECHANISM.

B2.(B)



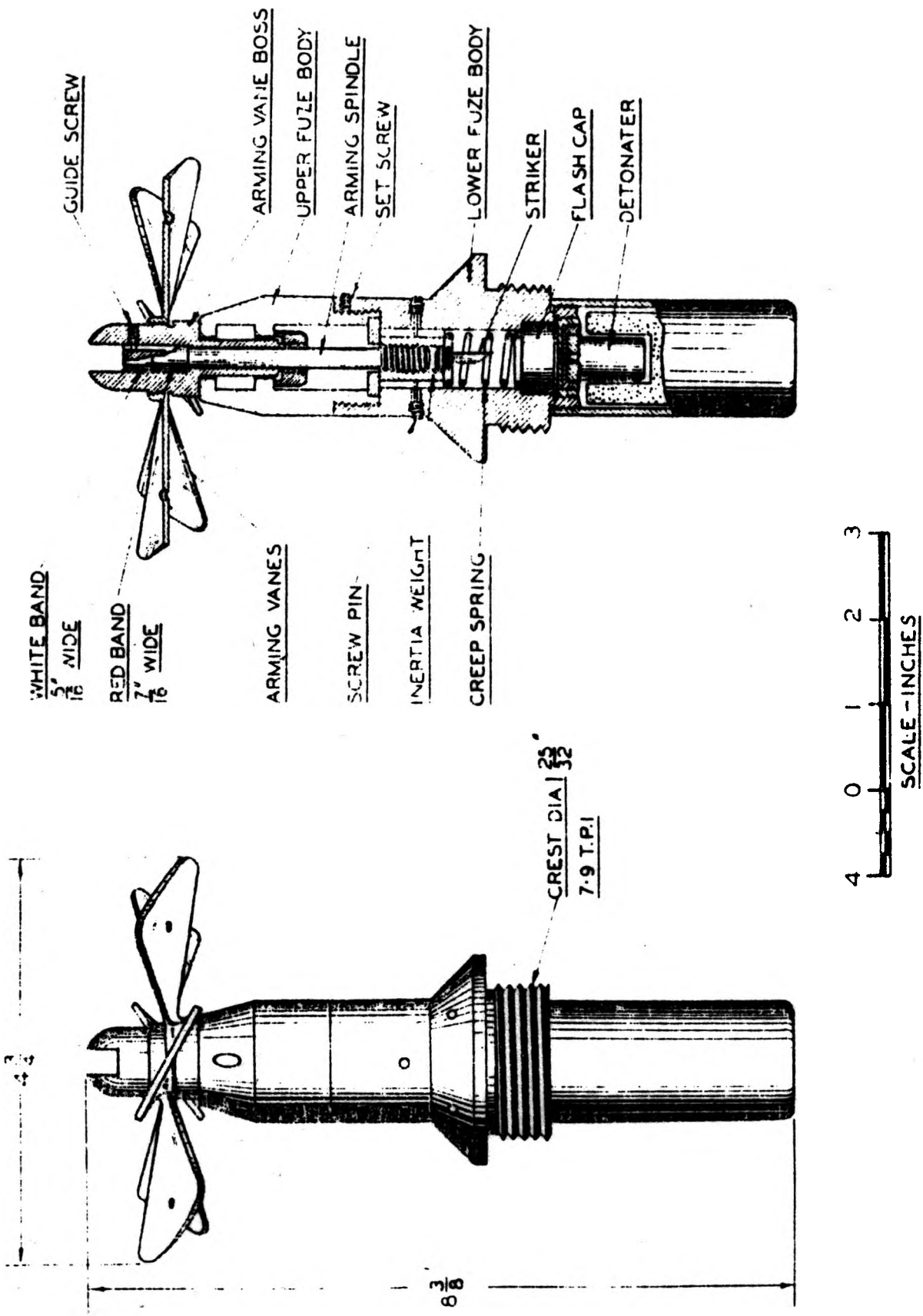
FUZE. BOMB. TAIL. INST. OR DELAY.
"TYPE 15, MODEL 2. MOD. 2. TAIL ARMING MECHANISM."
B3.(A)



FUZE , BOMB , TAIL - INSTANTANEOUS.

TYPE 92 LARGE BOMB TAIL FUZE

B 4(A).

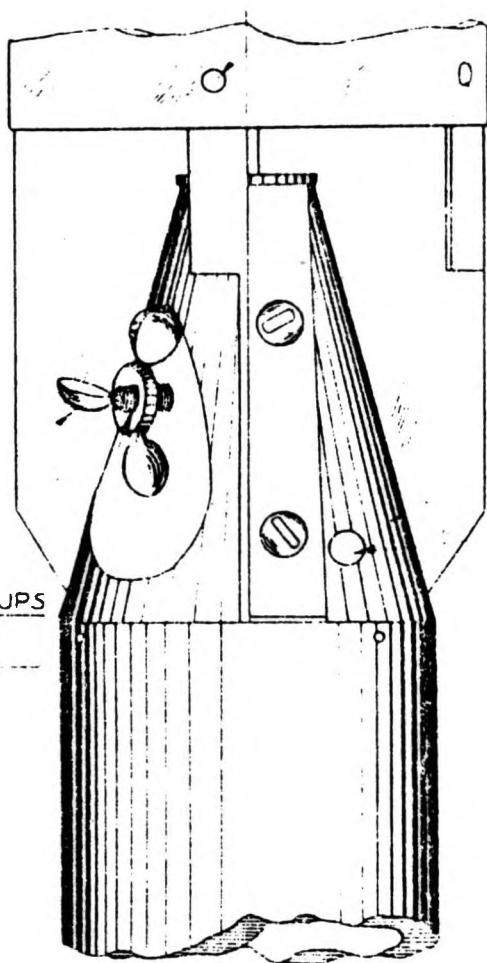


FUZE. BOMB. TAIL. INSTANTANECUS.

"TYPE 2, SMALL BOMB FUZE."

B5.(A)

SMALL RIVET



ARMING CUPS

ARMING
SPINDLE

FUZE BODY

ARMING SPINDLE
HOLE

SHEAR WIRE

GUIDE SLOT

GUIDE PIN

BLIND HOLE

INERTIA
WEIGHT

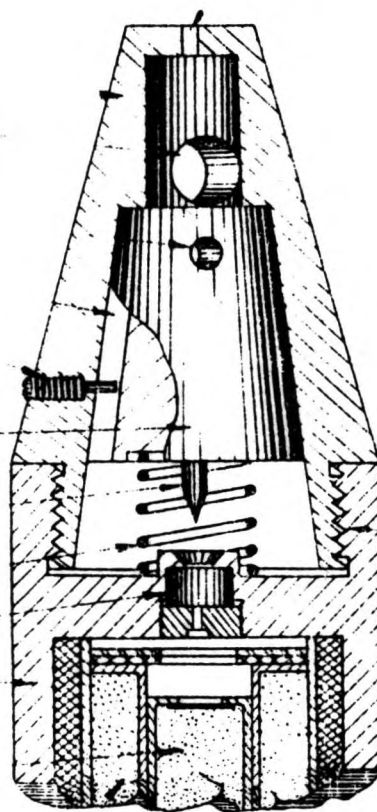
STRIKER

CREEP SPRING

DETONATER

BODY
EXTENSIONBOOSTER
PISTON

AIR VENT



EXPLOSIVE

CREST DIA $\frac{3}{4}$ "

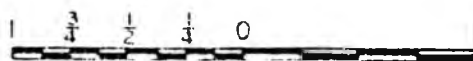
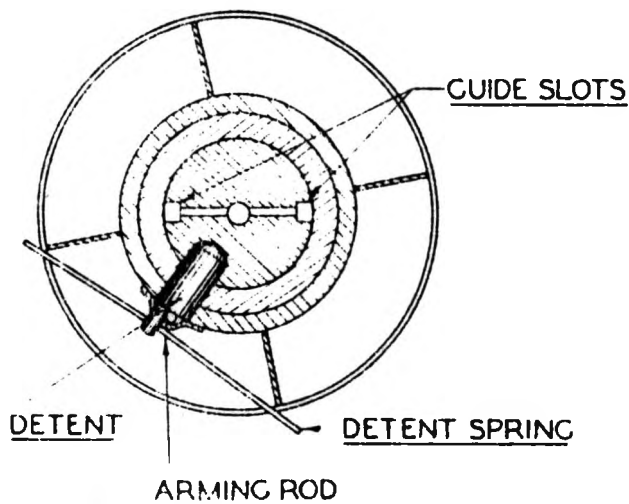
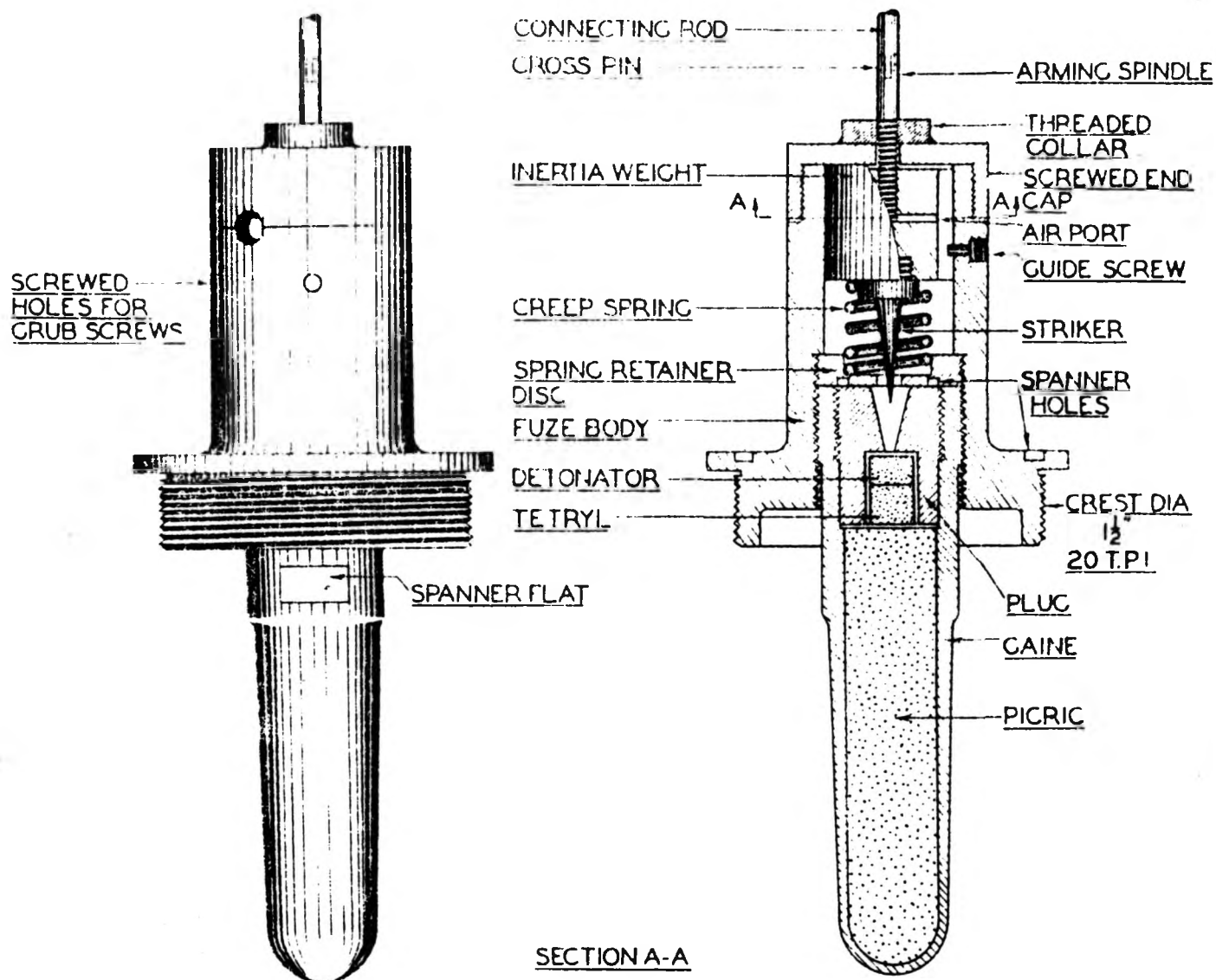
T.P.I. 25.4



SCALE - INCHES

FUZE, BOMB, TAIL. INSTANTANEOUS

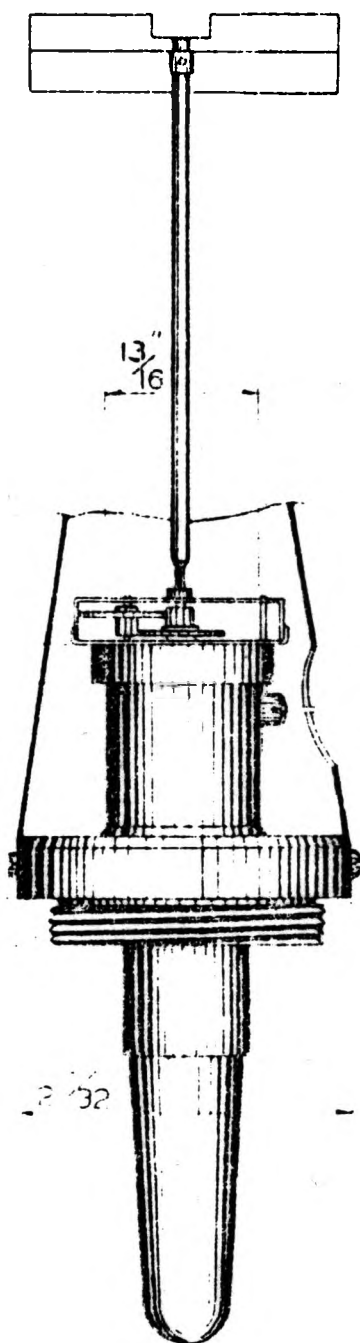
B 5(B)



SCALE - INCHES

FUZE, BOMB, TAIL. INSTANTANEOUS

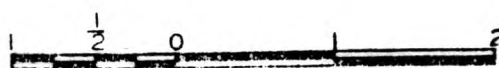
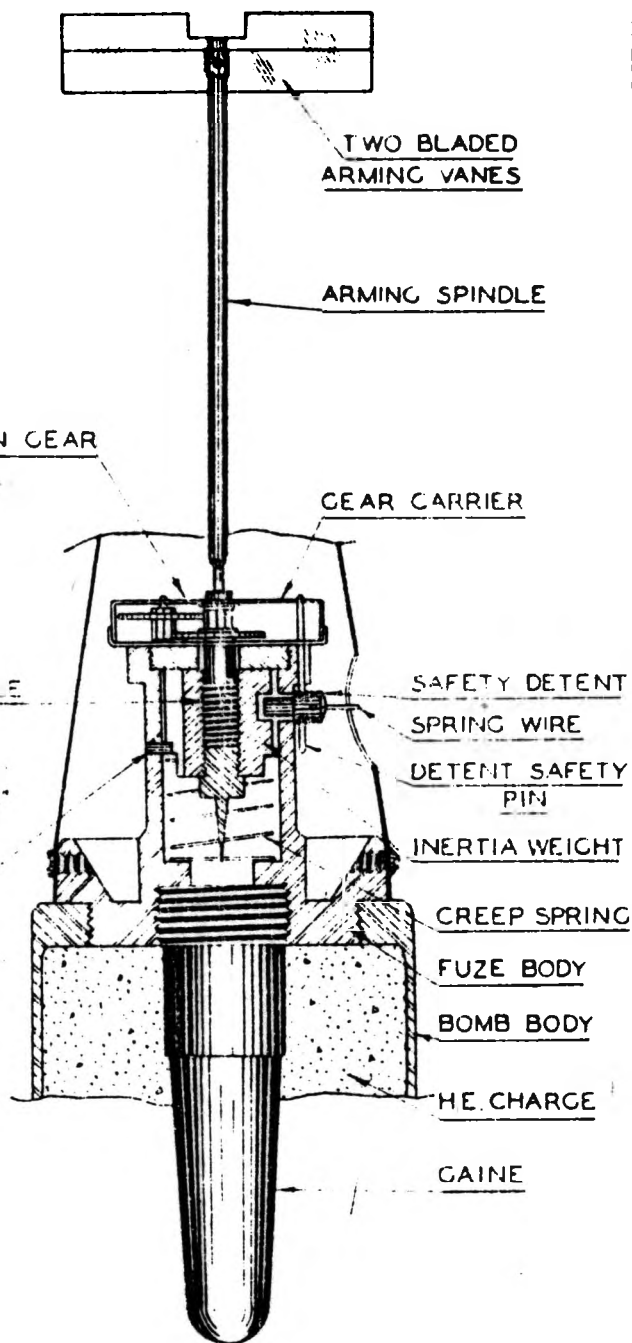
B5(C)



REDUCTION GEAR
36:1

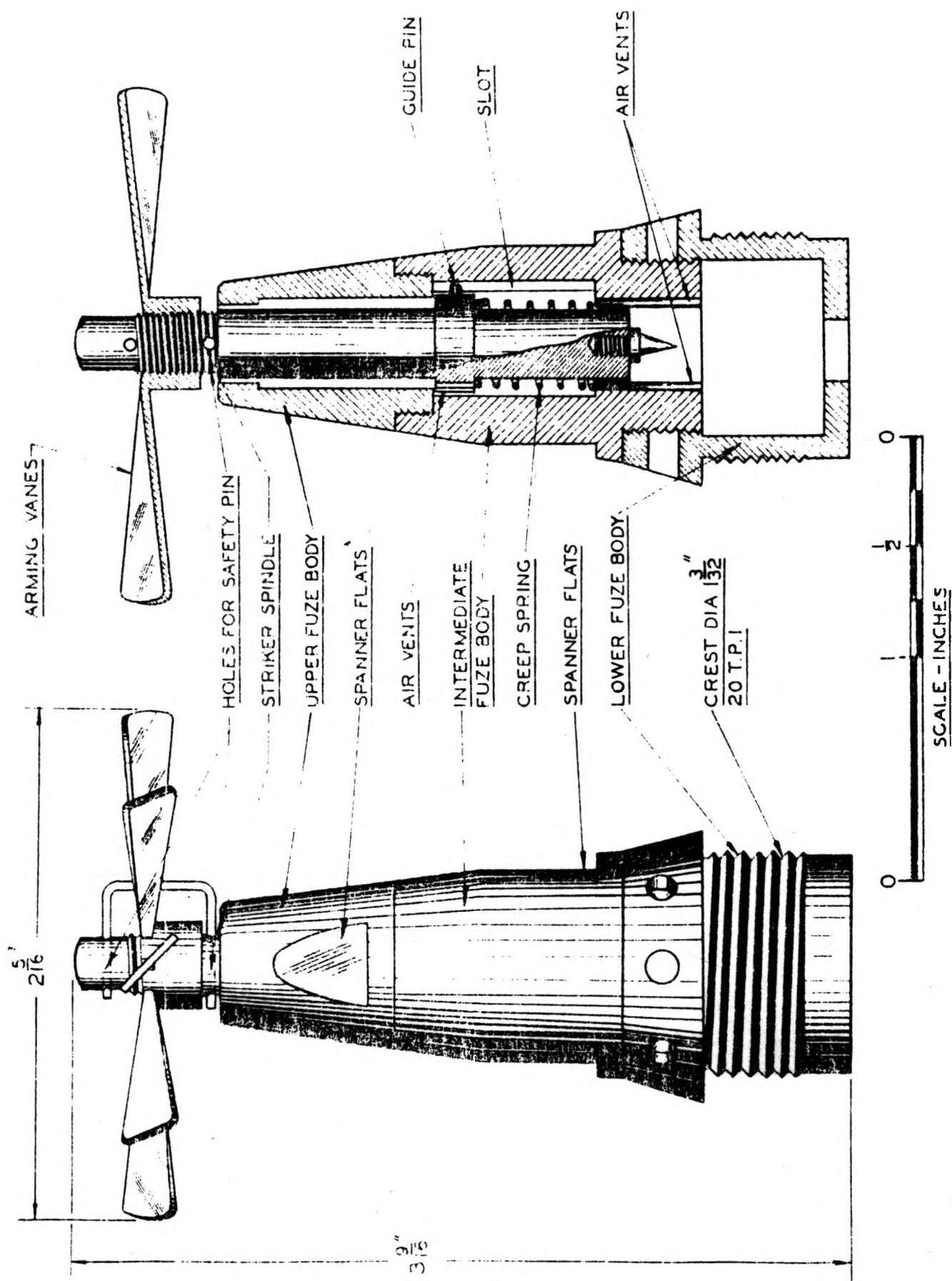
ARMING SPINDLE
(BRASS)
THREADS:
LENGTH: 3/8"
DIAM: 1/4"
No. 11

GUIDE PIN



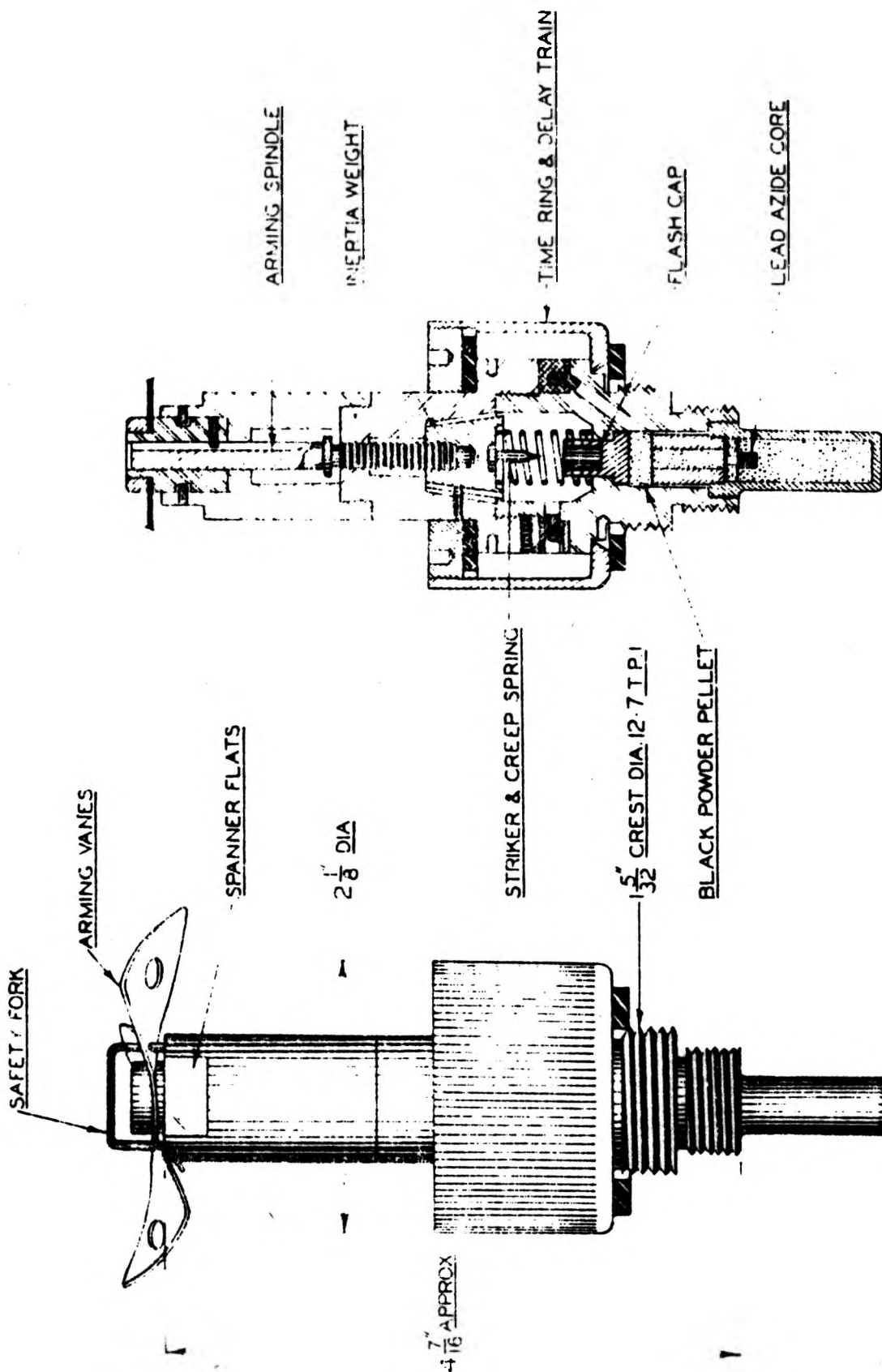
SCALE - INCHES

FUZE. BOMB. TAIL. INSTANTANEOUS.
TYPE 97 TAIL PRIMING MECHANISM.
B6(A)



FUZE. BOMB. TAIL. DELAY.

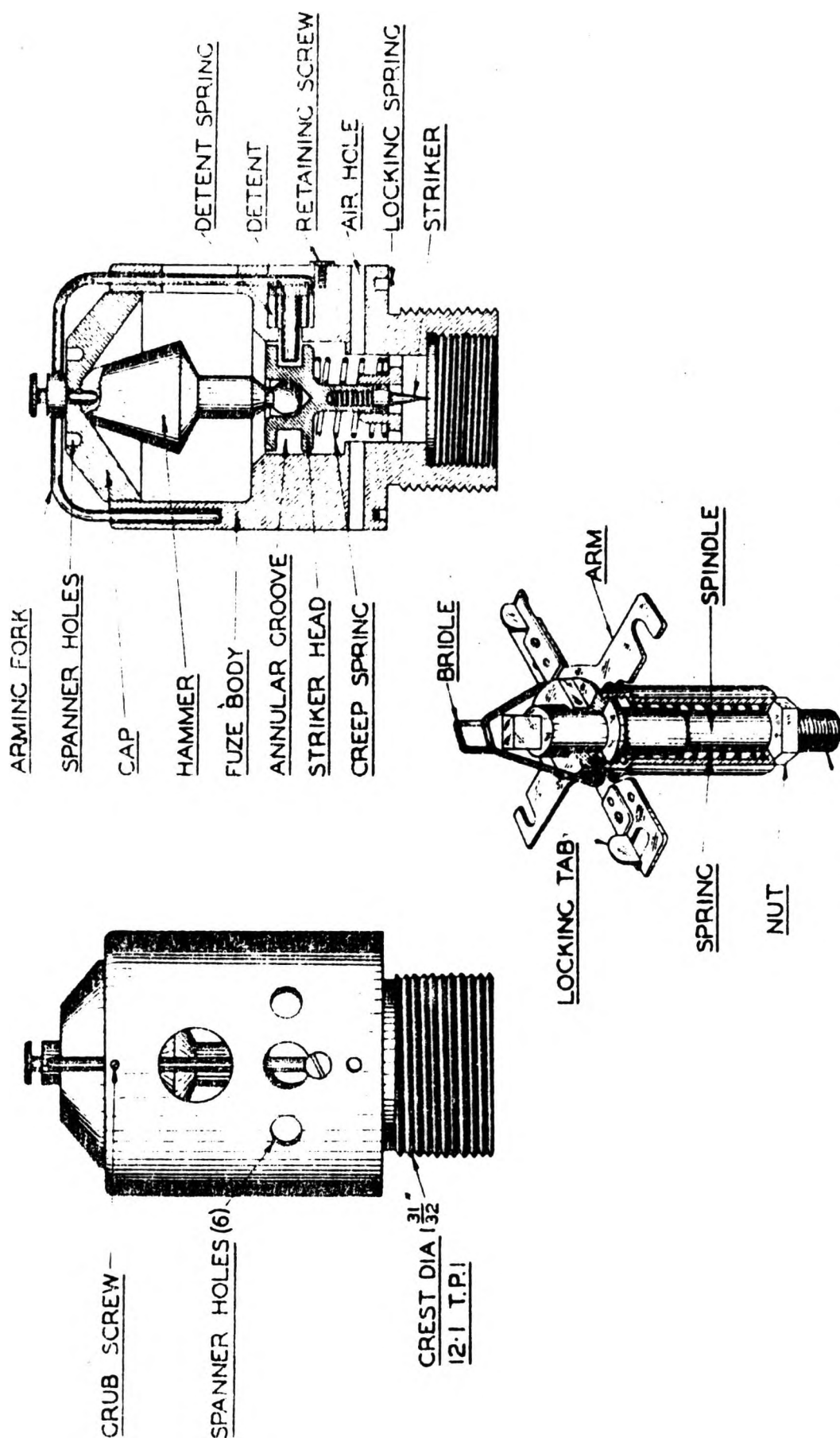
EXPERIMENTAL 3.5 SECOND DELAY ANTI-SUBMARINE FUZE.

B 7.(A)

SCALE IN INCHES

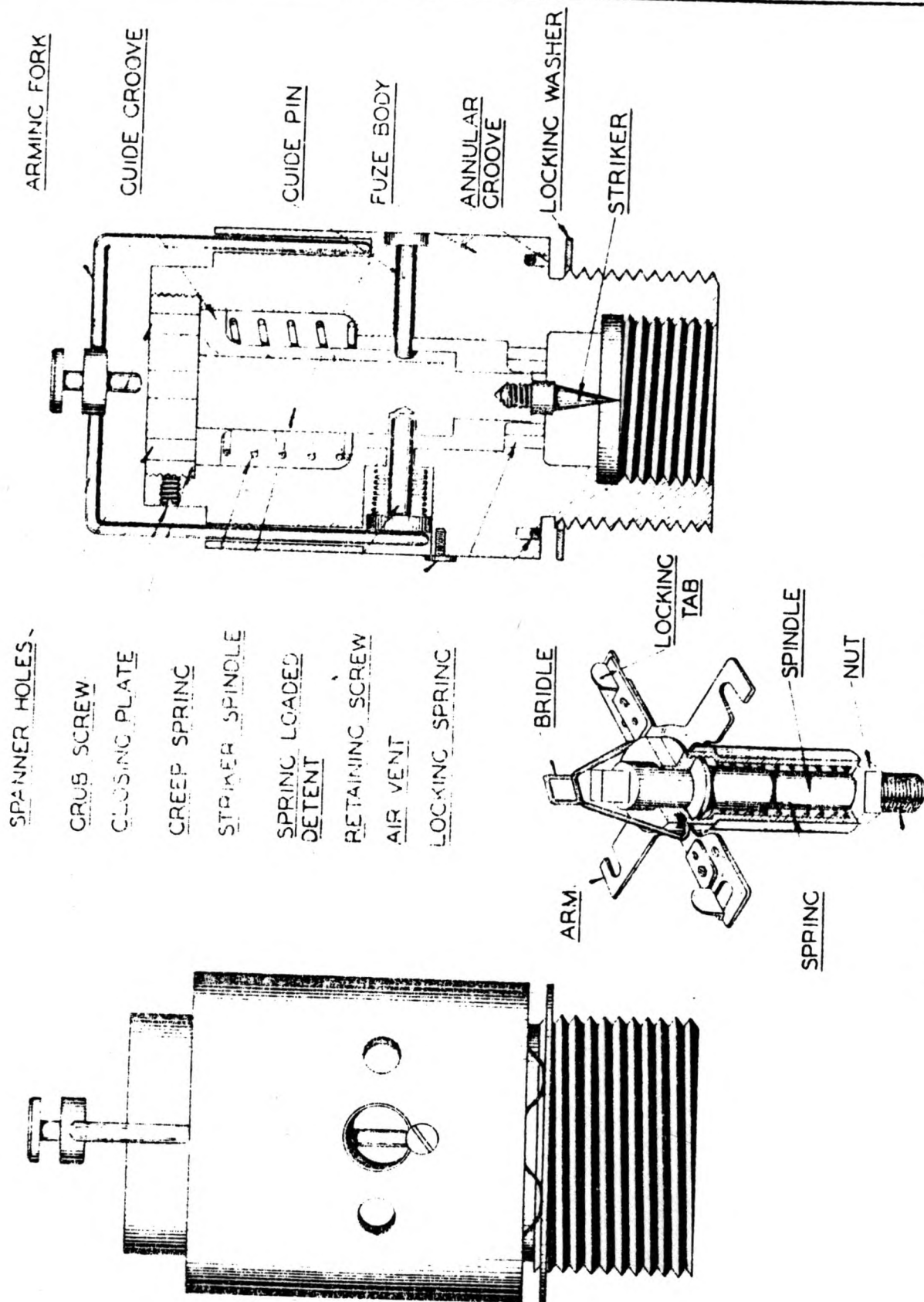
FUZE BOMB NOSE INST. OR DELAY

B 9(A)

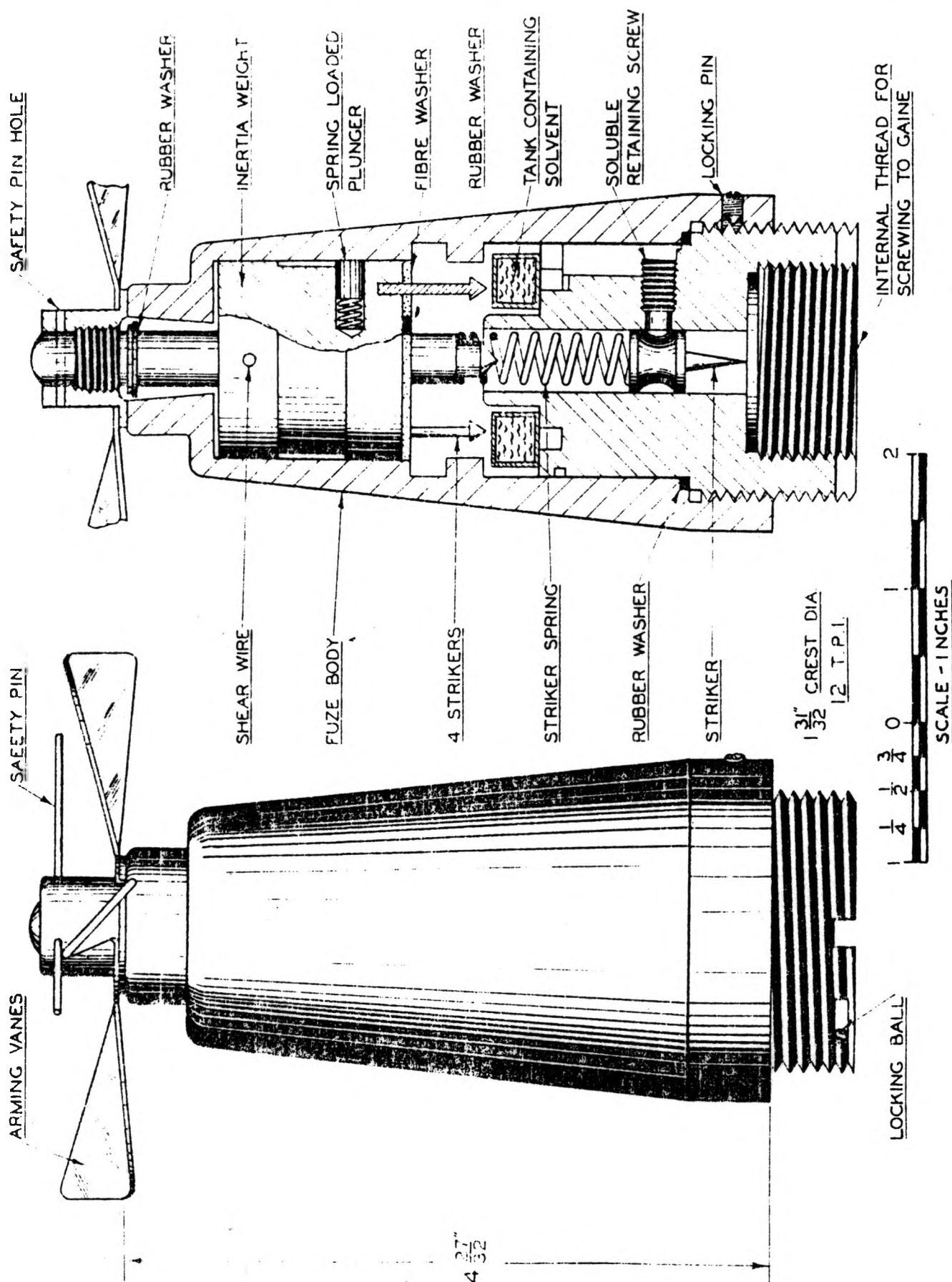


FUZE BOMB NOSE INST. OR DELAY

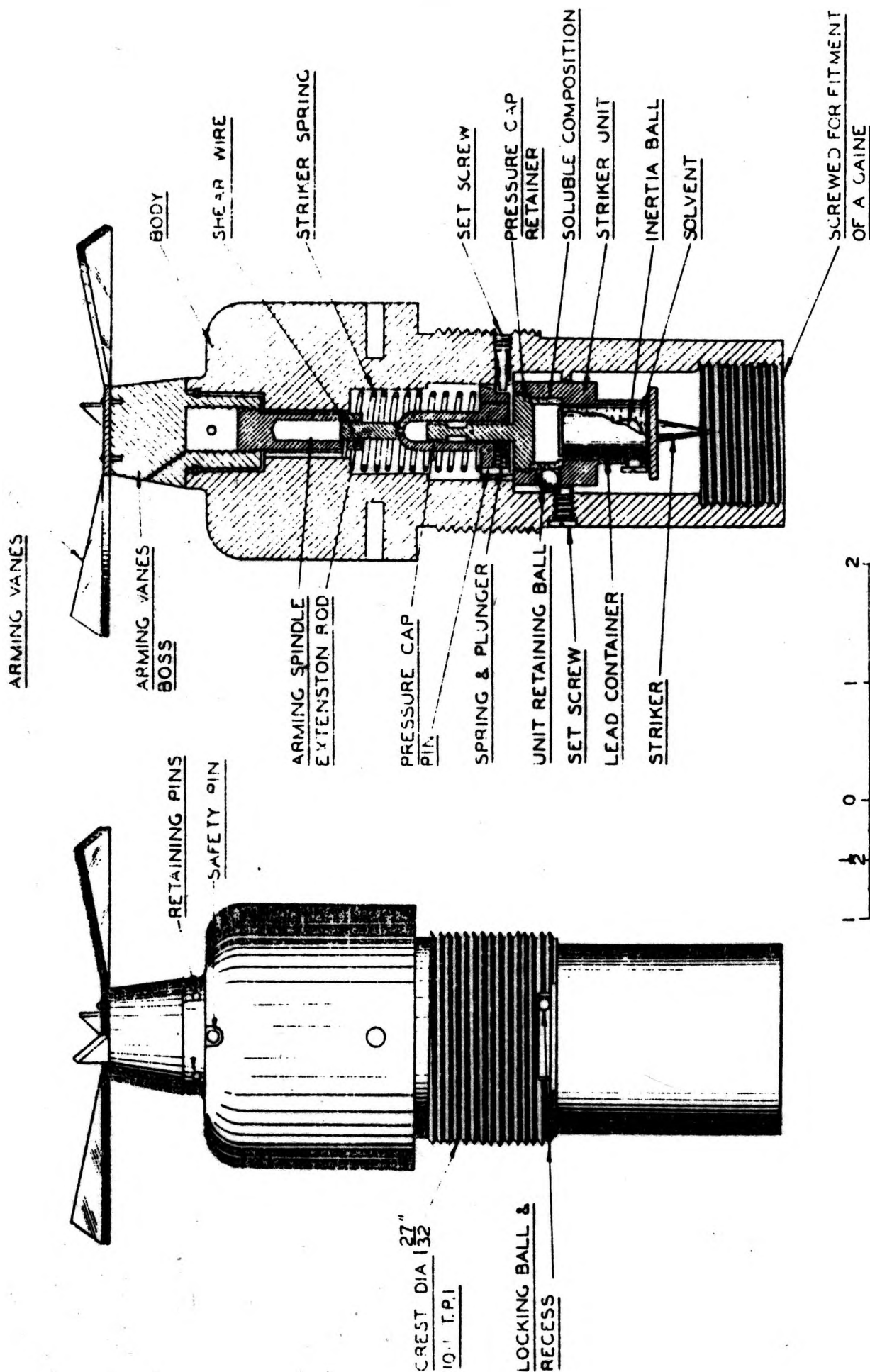
B10(A)



FUZE, BOMB, TAIL. LONG DELAY. TYPE 99, SPECIAL BOMB TAIL ARMING MECHANISM. CI(A)

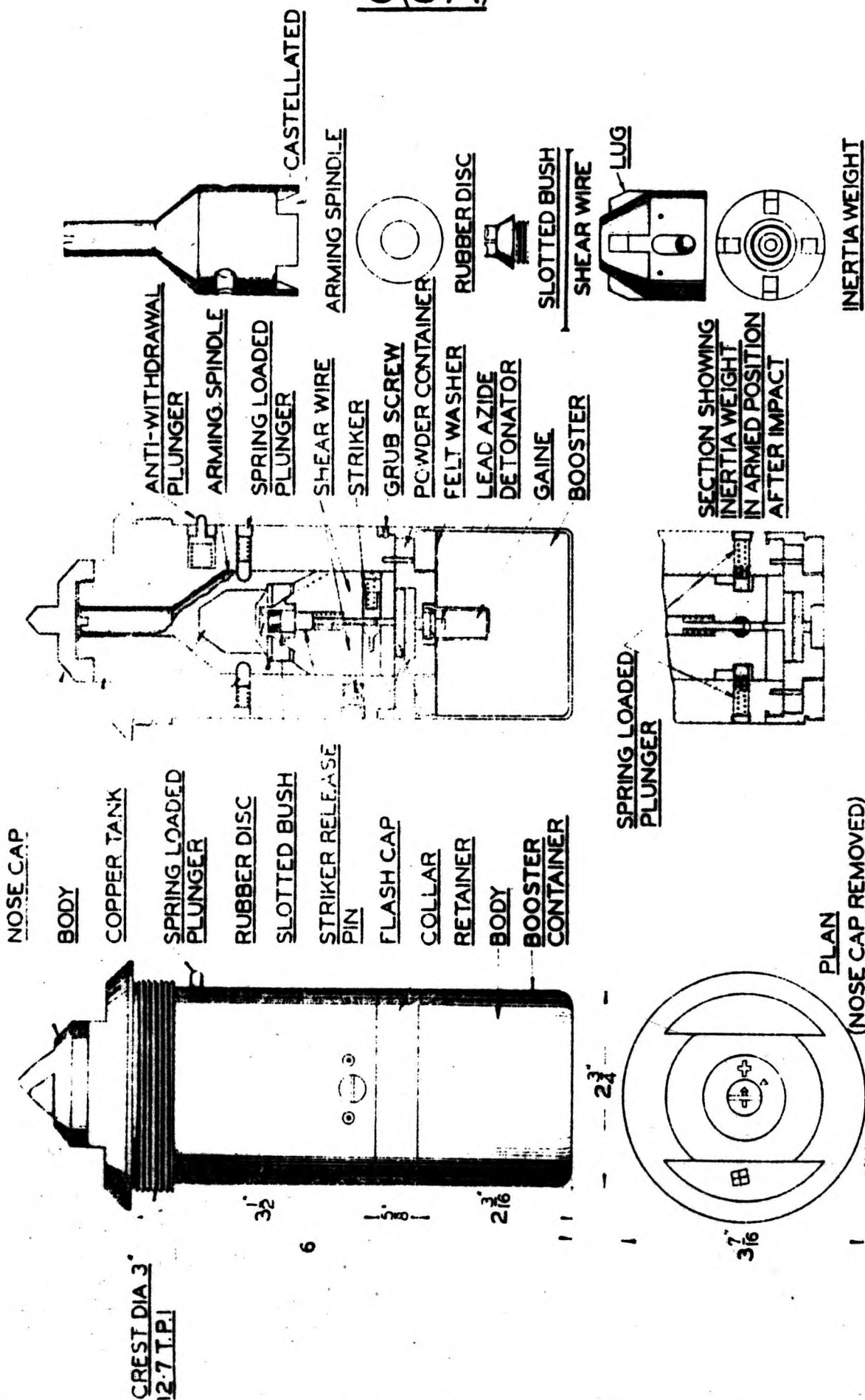


FUZE, BOMB, NOSE. — LONG DELAY **TYPE 99 SPECIAL BOMB NOSE ARMING MECHANISM** **C2.(A)**

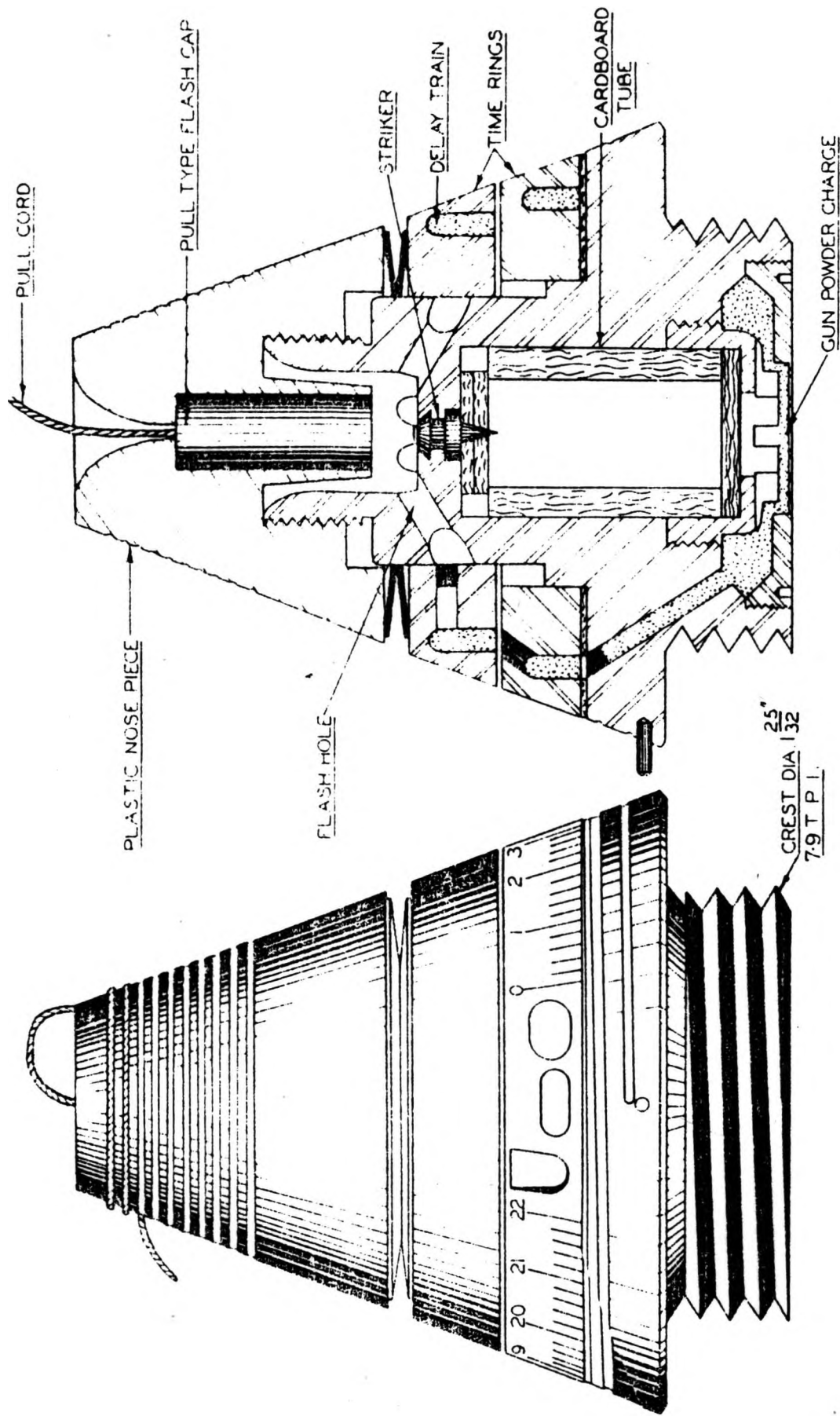


FUZE, BOMB, NOSE. LONG DELAY
TYPE.I. INDETERMINATE LONG DELAY NOSE FUZE

C(3A)

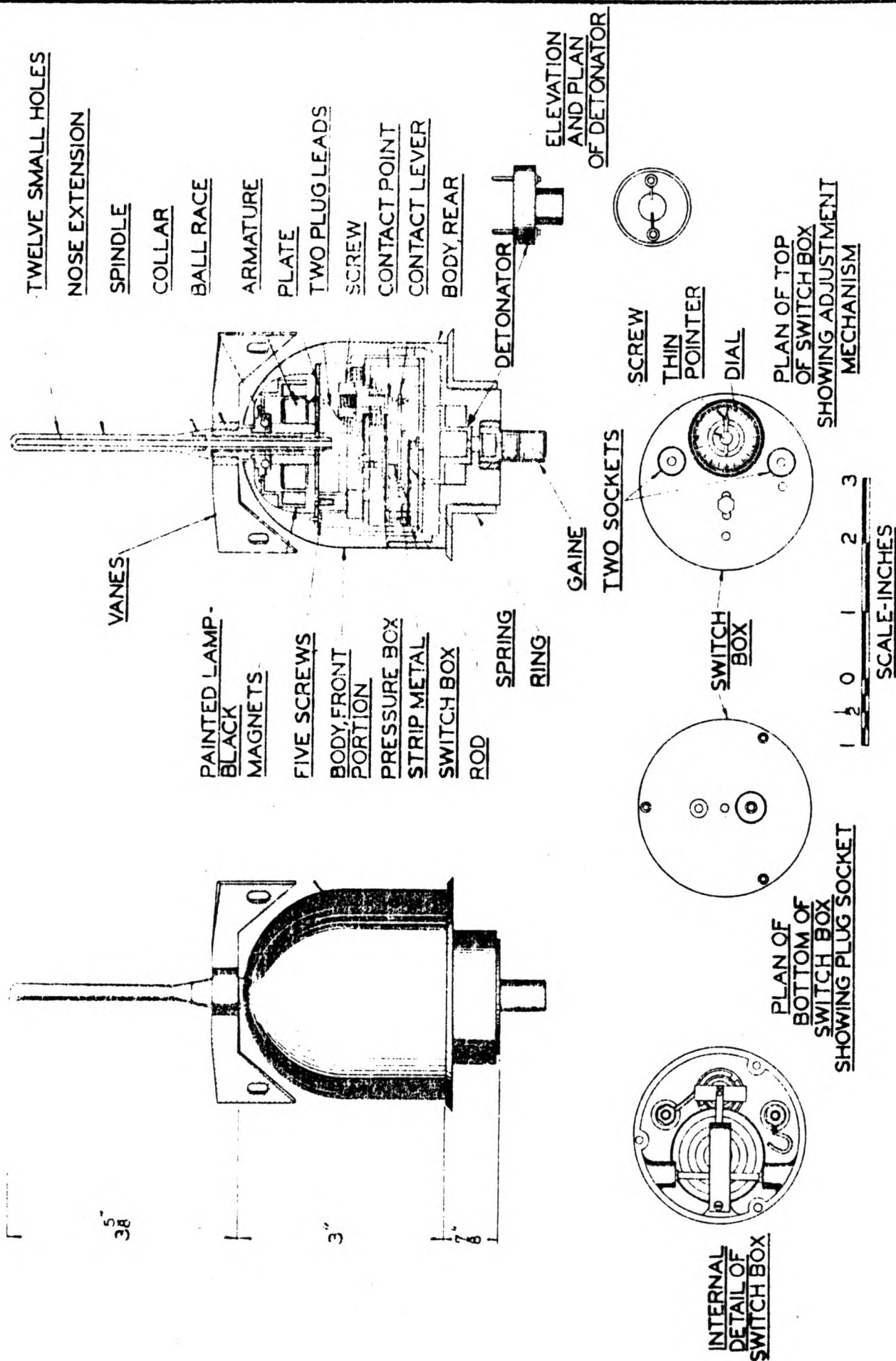


FUZE. PAMPHLET CONTAINER. NOSE AIR DELAY.
FUZE FOR EXPERIMENTAL PROPAGANDA BOMB.



FUZE, PAMPHLET CONTAINER, NOSE

D I.(A)

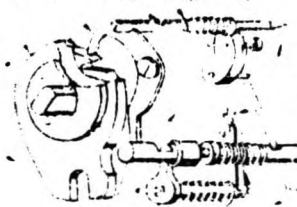


FUZE, BOMB, TAIL. CLOCKWORK AID DELAY

TYPE 2, MARK 3, MODEL 2 BOMB TAIL FUZE
D2 (A)

DIAGRAMMATIC SKETCH
SHOWING FILING MECHANISM
SAFE SETTING

TIMING ROTOR
SLOTTED DISC
TRIGGER ARM
SLOT FOR
ASSEMBLY ONLY
SPRING LOADED
STRIKER
SAFETY BLOCK



STARTER
PLUNGER

PAWL

CLAW

SAFETY PIN
No. 1

ESCAPE
WHEEL

ACTION

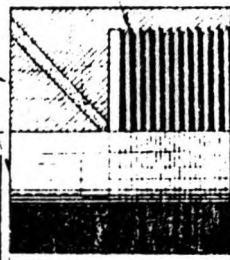
ARROWS INDICATE MOVEMENT OF
COMPONENTS

1. WHEN THE SAFETY PIN IS REMOVED, THE STRIKER IS RELEASED AND THE FLASH CAP INITIALLY
2. THE STRIKER STRIKES THE FLASH CAP, WHICH IS
3. THE FLASH CAP IS DEFORMED, AND THE FLASH IS
4. THE FLASH IS DEFORMED, AND THE FLASH IS
5. THE FLASH IS DEFORMED, AND THE FLASH IS
6. THE FLASH IS DEFORMED, AND THE FLASH IS
7. THE FLASH IS DEFORMED, AND THE FLASH IS
8. THE FLASH IS DEFORMED, AND THE FLASH IS
9. THE FLASH IS DEFORMED, AND THE FLASH IS
10. THE FLASH IS DEFORMED, AND THE FLASH IS

NOTE: -
DOTTED LINE INDICATES THE METHOD OF SECURING STARTER
PLUNGER & SAFETY BLOCK WITH SAFETY PIN No. 1

MAGAZINE ADAPTOR

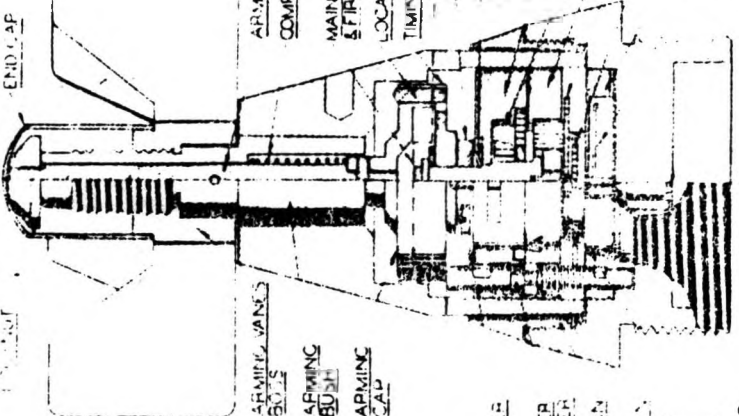
HOLDS FOR SCREWS
ATTACHING ADAPTOR
TO BASE OF FUZE



SCREWED
6 PT TO
TAKE STAN-
DARD MAGA-
ZINE

SECTIONAL ELEVATION

END CAP



ARM, SPINDLE
COMPRESSION SPRING
MAINSPRING ARBOR
& FIRST WHEEL
LOCATING PIN
TIMING ROTOR

SLOTTED DISC
CLIPPED SPRING
SLUTCH
TOP PLATE

MAINSPRING BARREL
INTERMEDIATE PLATE
SECOND WHEEL
THIRD WHEEL
BOTTOM PLATE
ESCAPMENT
FLASH CAP

ARM, SPINDLE
COMPRESSION SPRING
MAINSPRING ARBOR
& FIRST WHEEL
LOCATING PIN
TIMING ROTOR

ARM, SPINDLE
COMPRESSION SPRING
MAINSPRING ARBOR
& FIRST WHEEL
LOCATING PIN
TIMING ROTOR

ARM, SPINDLE
COMPRESSION SPRING
MAINSPRING ARBOR
& FIRST WHEEL
LOCATING PIN
TIMING ROTOR

ARM, SPINDLE
COMPRESSION SPRING
MAINSPRING ARBOR
& FIRST WHEEL
LOCATING PIN
TIMING ROTOR

TRIGGER
ARM

STARTER
PLUNGER

PAWL

CLAW

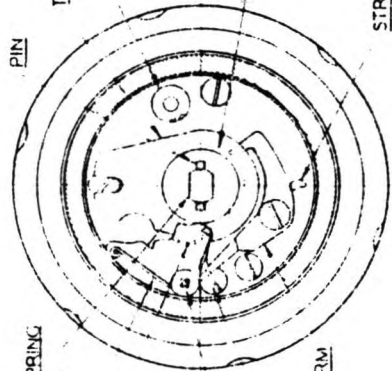
ESCAPE
WHEEL

STARTER
PLUNGER

TRIGGER ARM

SECTIONAL ELEVATION

PIN



TIMING ROTOR

ACCESS FOR
WINDING TOOL

SLOTTED DISC

STRIKER

MAINSPRING
ARBOR

SPRING
ESCAPE
WHEEL

CLAW

PAWL

STARTER
PLUNGER

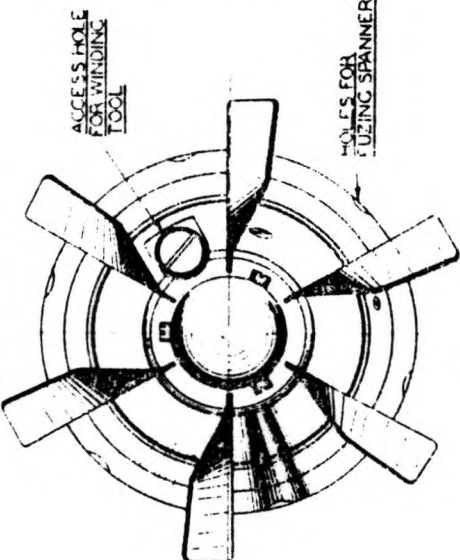
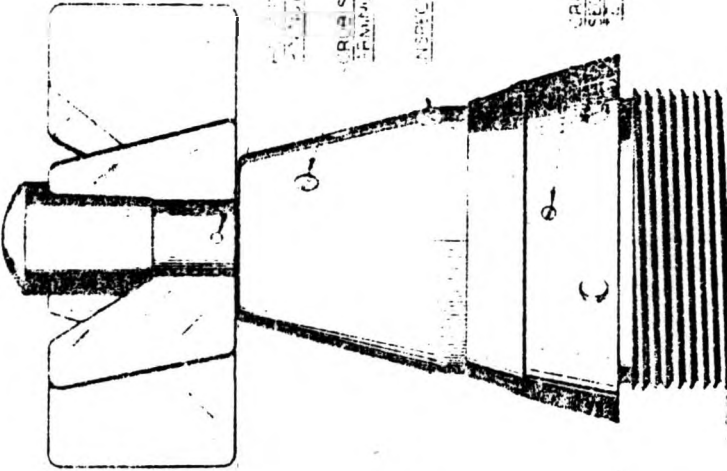
TRIGGER ARM

SECTION A-A

SCALE: 1/2" = 1"

2 1/2"

SIDE ELEVATION



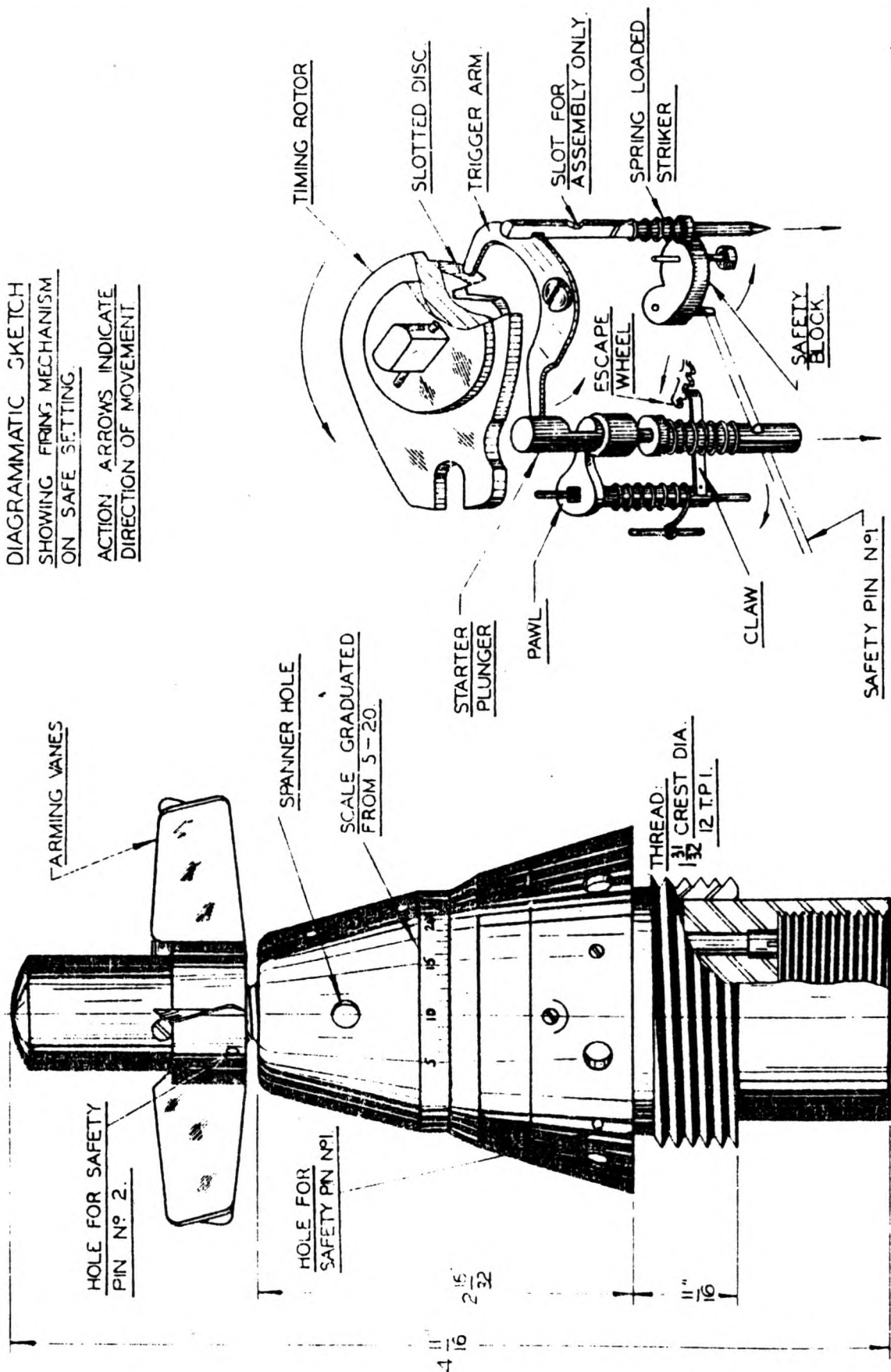
ACCESS HOLE
FOR WINDING
TOOL

HOLDS FOR
WINDING SPANNER

PLAN

FUZE. BOMB. TAIL. CLOCKWORK AIR DELAY."TYPE 99, MARK 3, BOMB FUZE."D2.(B)

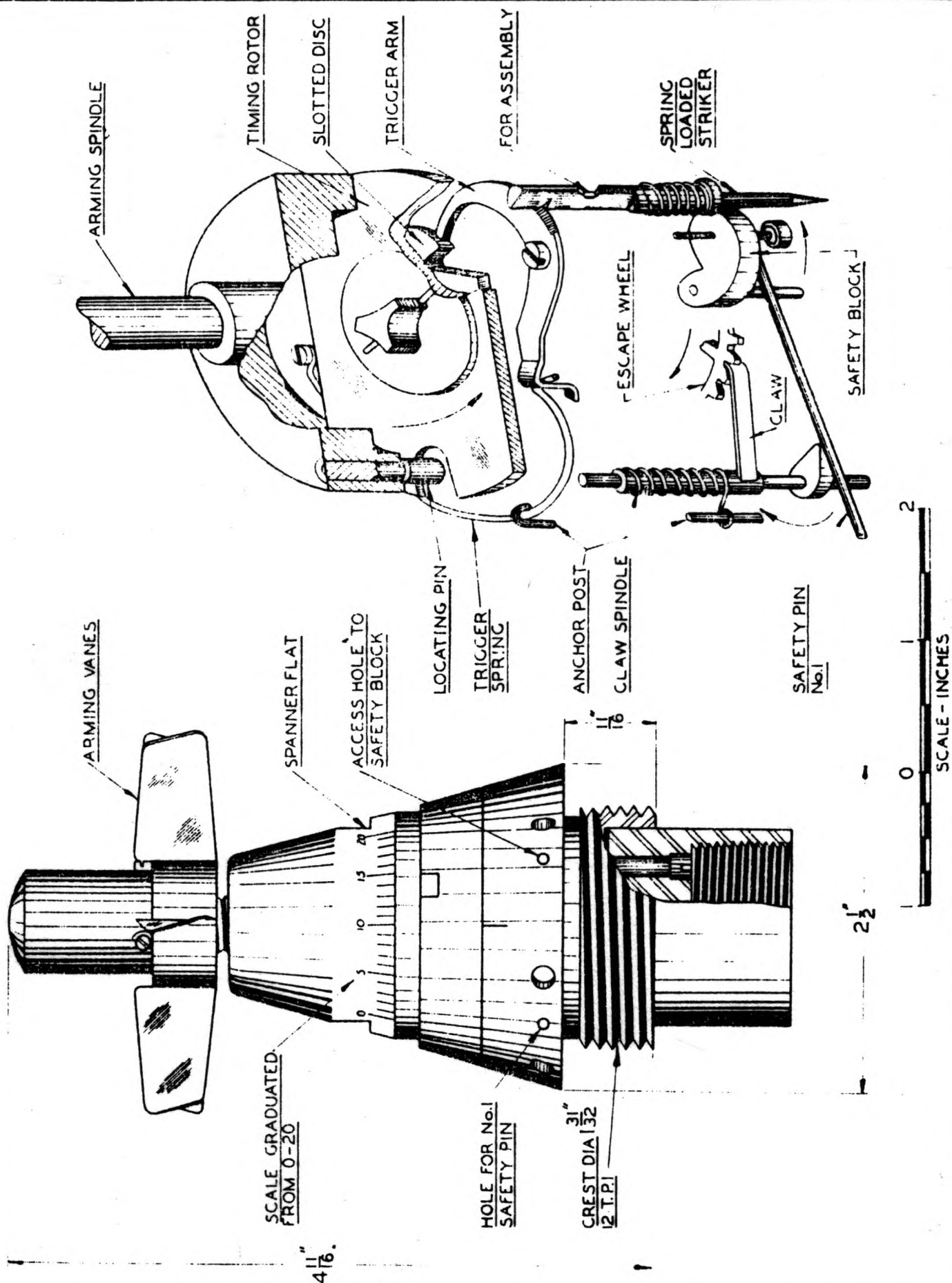
DIAGRAMMATIC SKETCH
SHOWING FIRING MECHANISM
ON SAFE SETTING.
ACTION ARROWS INDICATE
DIRECTION OF MOVEMENT



FUZE. BOMB. TAIL. CLOCKWORK AIR DELAY.

"EXPERIMENTAL MODEL 14. MARK 3. BOMB FUZE."

D2.(C)

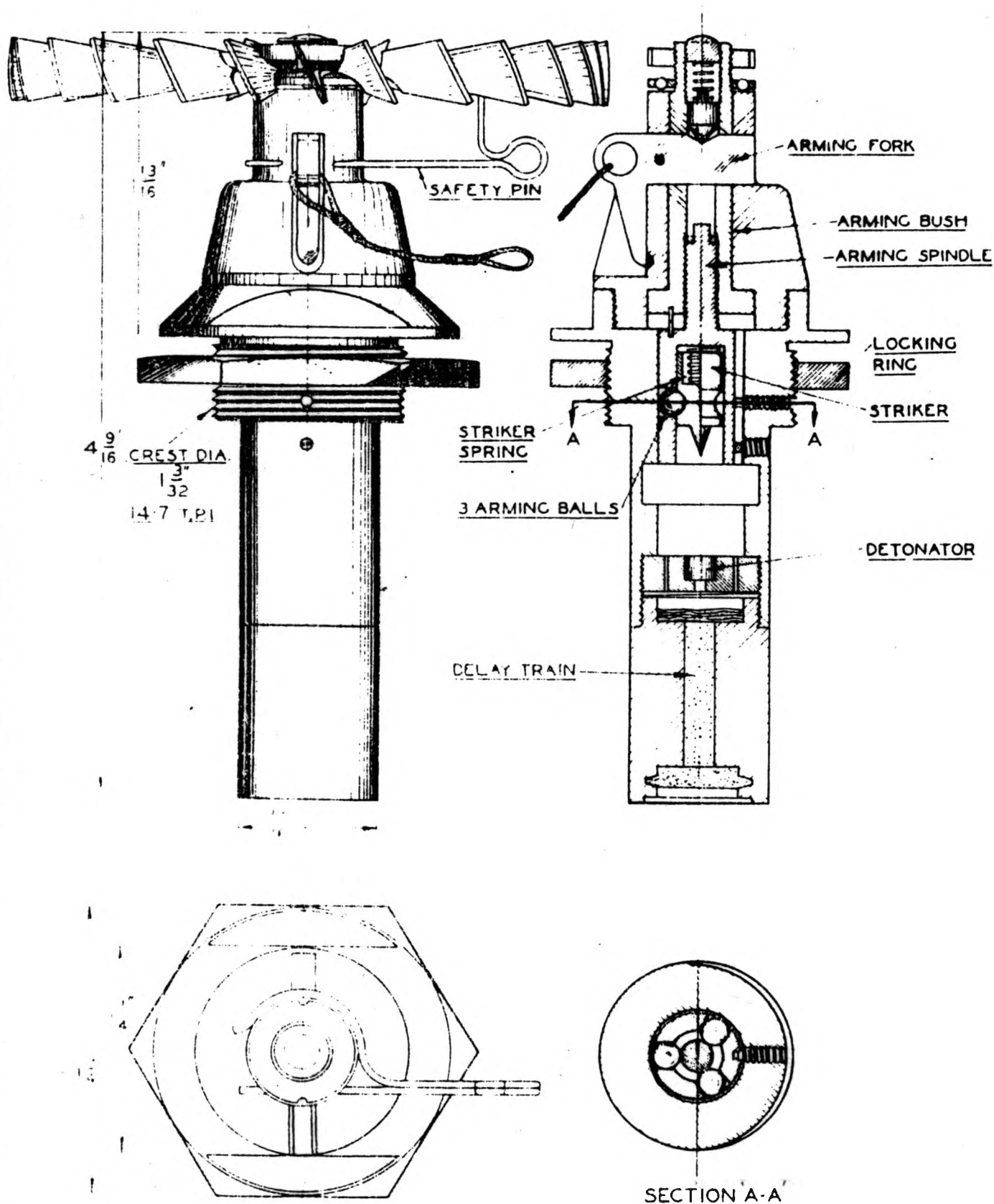


FUZE. FLARE. NOSE. AIR TIME DELAY.

TYPE

IGNITION DEVICE.

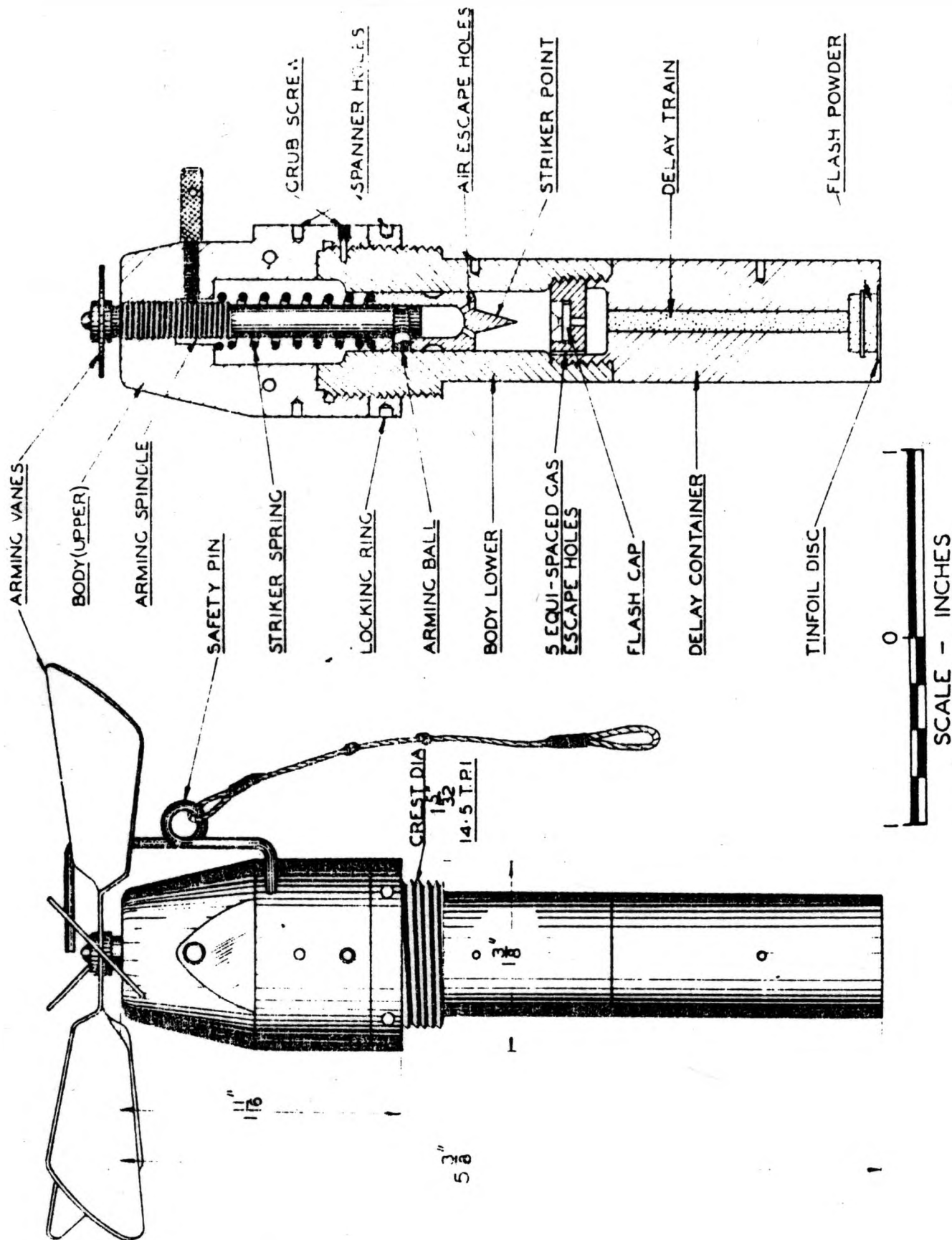
D3.(A)



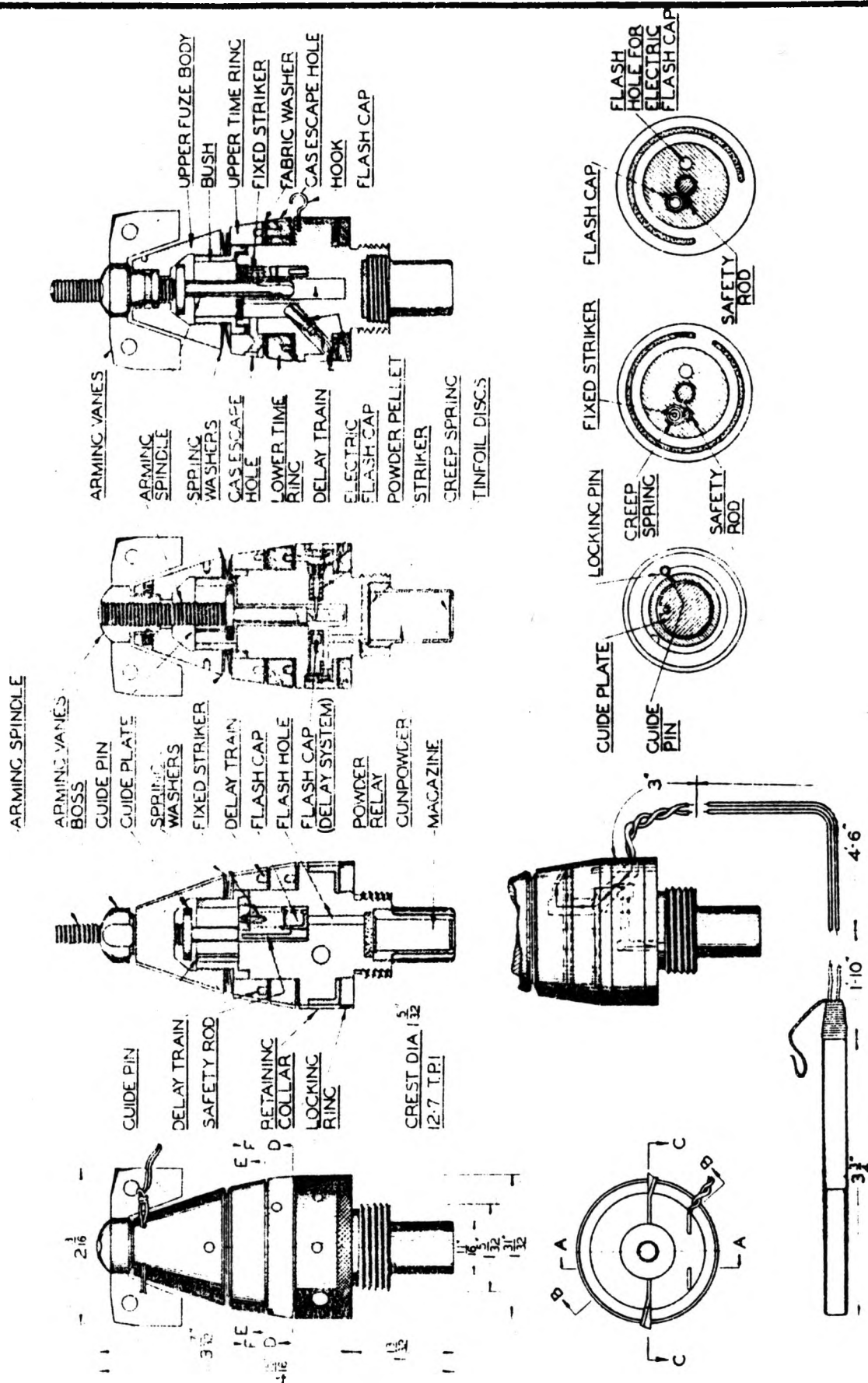
FUZE, FLARE. NOSE. AIR TIME DELAY.

"TYPE O, MODEL I, IGNITION DEVICE."

D4.(A)



TYPE I TIME NOSE FUZE D5(A)
TYPE I COMBINATION NOSE FUZE D5(B)



FUZE, BOMB, TAIL, ANTIWITHDRAWAL**"TYPE I ANTI-WITHDRAWAL FUZE" (ARMY)****F I. (A)**