

VEEN HEAD AND MIDDLE. SELF-INSERTED IN COMPRESSED AIR CHAMBER.	1.5 KGS	ABOVE	CA 10 LITERS	30 KG	ACTION OF SELF TIMER CAUSES EXPLOSIVE TUBE IN COMPRESSED AIR CHAMBER TO ADVANCE SEPARATING BOMB HEAD FROM BODY. FORWARD PARTITION OF COMPRESSED AIR CHAMBER DIS-LEDGES, BLOWING OUT CONTENTS FOLLOWED BY EXPLOSION OF TUBE AND SCATTERING BOMB PROPER.	LESS THAN HA
BODY, EGG-SHAPE GROOVE 8 MMS TIMES. PRIMER	PRIMER CORD 2.5 M	TIME FUZE (COMPLEX ACTION FUZE) "5TH YEAR" (OBSOLETE TYPE)	18 LITERS	35 KG	OPERATION OF COMPLEX ACTION FUZE IN TAIL TOUCHES OFF PRIMER CORD. BOMB PROPER EXPLODES, SCATTERING CONTENTS.	STATIC EXPL. AT HEIGHT 20 TO 30 x 400 TO 500 (WIND SPEED 5 M/SEC) BOMB PROPER BREAKS FUZE OPERATES. DISPER
CONSTRUCTION DATE EXPLOSIVE HEAD TO HEAD	PRIMER CORD 4 M. TNT IN HEAD	TIME FUZE IN TAIL (SAME AS ABOVE) PERCUSSION TIME FUZE IN HEAD (TYPE 1)	10 LITERS	25 KG	OPERATION OF COMPLEX ACTION FUZE IN TAIL TOUCHES OFF PRIMER CORD, CAUSING BOMB TO EXPLODE AND SCATTER CONTENTS WHEN FUZE IN REAR FAILS TO OPERATE, FUZE AT HEAD CAUSES EXPLOSION AT OPTIONAL HEIGHT (OR SAME ACTION IS OBTAINED) (PERCUSSION)	STATIC EXPL. AT HEIGHT 20 TO 30 x 400 TO 500 (WIND SPEED 5 M/SEC) BOMB PROPER BREAKS FUZE OPERATES. DISPER
CONSTRUCTION	SAME AS ABOVE	SAME AS ABOVE	25 LITERS	50 KG	SAME AS ABOVE	STATIC EXPL. AT HEIGHT 30 TO 40 x 600 TO 700 (WIND SPEED 5 M/SEC) DROP TEST FROM (HEIGHT OF EXPLOSION 300 M) 30 TO 40 x 70 (WIND SPEED 5 M/SEC) BOMB PROPER BREAKS FUZE OPERATES. DISPER
TYPE OF PROPER IS						DRAWN 9 OCT 4 GHA AFPAC FROM GIVEN TO LT. SANDERS, CWS

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ACTION NOT KNOWN. 2000 FOR EXPERIMENTAL PURPOSES. Production Figures AND Year Bomb WAS MADE A

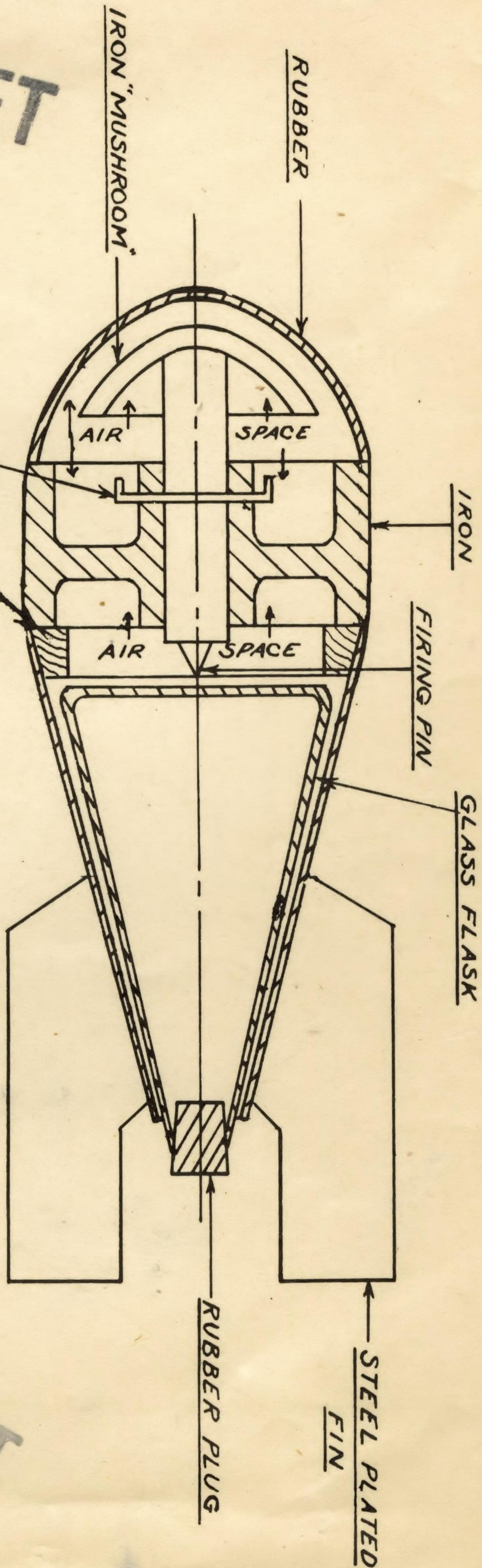
<p>ACTION OF SELF TIMER CAUSES EXPLOSIVE TUBE IN COMPRESSED AIR CHAMBER TO ADVANCE SEPARATING BOMB HEAD FROM BODY. FORWARD PARTITION OF COMPRESSED AIR CHAMBER DIS-LODGED, BLOWING OUT CONTENTS FOLLOWED BY EXPLOSION OF TUBE AND SCATTERING BOMB PROPER.</p>	<p>LESS THAN HA BOMB.</p>	<p>BACTERIA TO PELLETS.</p>	<p>3. DIFFICULT TO MANUFACTURE</p> <p>1. BASIC CONSTRUCTION POOR. (PROBABLY WRONG TO DEPEND ON MECHANICAL MEANS OF OPERATION) 2. TOO MANY FAILURES, POOR PRECISION OF EXPLOSION.</p>	<p>NOT USABLE</p>
<p>OPERATION OF COMPLEX ACTION FUZE IN TAIL TOUCHES OFF PRIMER CORD. BOMB PROPER EXPLODES, SCATTERING CONTENTS.</p>	<p>STATIC EXPL. AT HEIGHT 15M 20 TO 30 X 500 TO 600M. (WIND SPEED 5 M/SEC) DROP TEST FROM PLANE (HEIGHT OF EXPLOSION 200 TO 300M) 20 TO 30 X 600 TO 700M. (WIND SPEED 5 M/SEC) (PERCUSSION) BOMB PROPER BREAKS BEFORE FUZE OPERATES. DISPERSION POOR.</p>	<p>LOW INTERNAL EXPLOSIVE PRESSURE AND LACK OF METALLIC EFFECT ARE ADVANTAGEOUS FOR PRESERVING BACTERIAL VIABILITY. LIVE STOCK EATING GRASS IN BREEZE WITHIN RANGE OF 100 TO 200 METERS KILLED AS FOLLOWS. HORSES 50 TO 90% SHEEP 90 TO 100%</p>	<p>TRAJECTORY UNSATISFACTORY</p> <p>1. TRAJECTORY UNSATISFACTORY (EFFECTIVENESS 10%) 2. ERROR OF FUZE OPERATION GREAT 3. TIME FUZE OPERATION AT HIGH ALTITUDE DIFFICULT. (35 SECONDS)</p>	<p>EFFECTIVENESS POOR</p> <p>BEST AMONG UJI BOMBS EFFECTIVENESS QUESTIONABLE</p>
<p>OPERATION OF COMPLEX ACTION FUZE IN TAIL TOUCHES OFF PRIMER CORD, CAUSING BOMB TO EXPLODE AND SCATTER CONTENTS WHEN FUZE IN REAR FAILS TO OPERATE, FUZE AT HEAD CAUSES EXPLOSION AT OPTIONAL HEIGHT (OR SAME ACTION IS OBTAINED) (PERCUSSION)</p>	<p>SAME AS ABOVE</p> <p>STATIC EXPL AT HEIGHT 15M 30 TO 40 X 600 TO 700M (WIND SPEED 5 M/SEC) DROP TEST FROM PLANE (HEIGHT OF EXPLOSION 200 TO 300M) 30 TO 40 X 700 TO 800M (WIND SPEED 5 M/SEC) (PERCUSSION) BOMB PROPER BREAKS BEFORE FUZE OPERATES. DISPERSION POOR.</p>	<p>1. TRAJECTORY UNSATISFACTORY (EFFECTIVENESS 10%) 2. ERROR OF FUZE OPERATION GREAT 3. TIME FUZE OPERATION AT HIGH ALTITUDE DIFFICULT. (35 SECONDS) 4. TOO LARGE</p>	<p>1. DIFFICULT TO MANUFACTURE</p>	<p>EFFECTIVENESS POOR IN RELATION TO SIZE.</p>

ES. Production Figures and Year Bomb was Made and Tested.

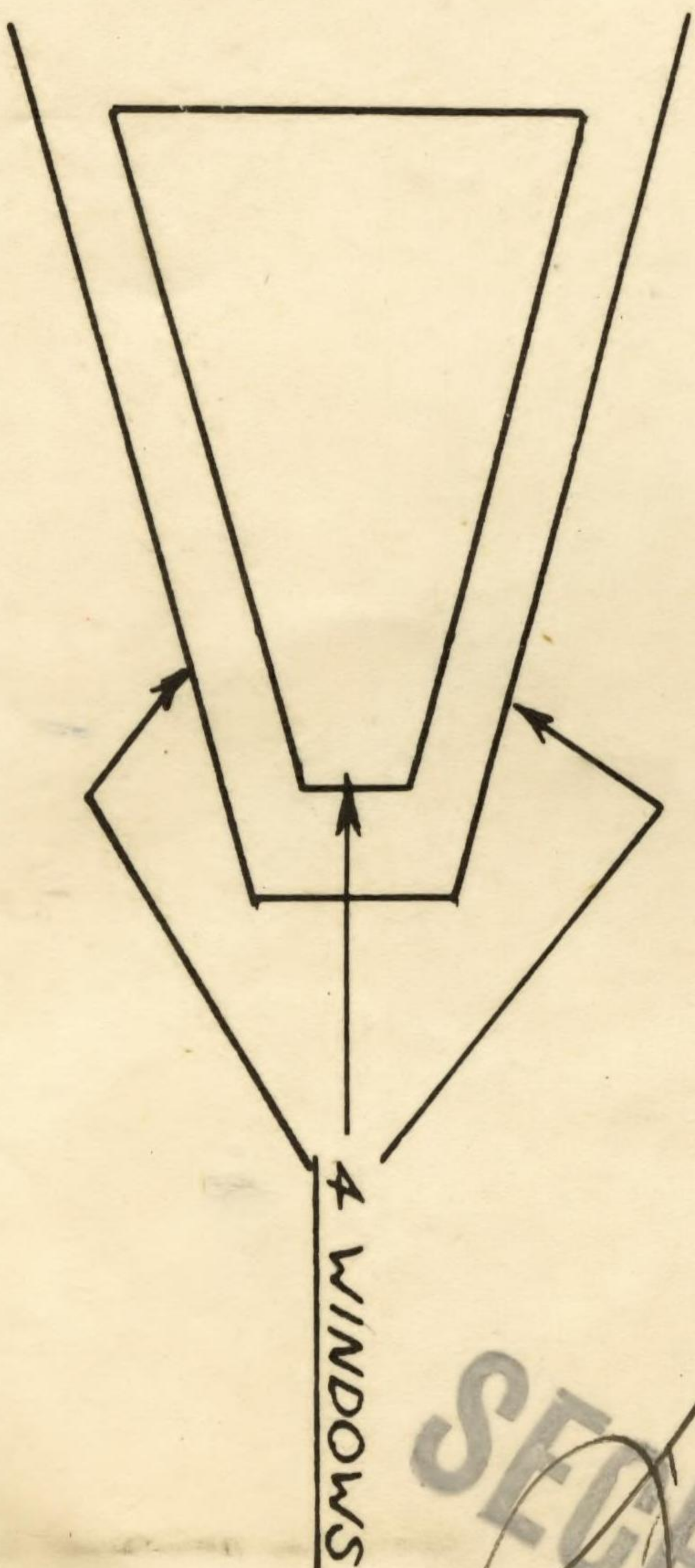
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# NAVAL MARK 7 MODIFICATION OF TRAINING BOMB

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PROVISIONAL DESIGNATION  
 OF BACTERIAL BOMB  
 CONTEMPORATED WEIGHT 1KG.



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SUPPLEMENT 3-F

DRAWN 5 OCT 45 BY CWS SECTION  
 GHQ AFPAC FROM SKETCHES  
 GIVEN TO LT. COL. MURRAY  
 SANDERS, CWS.

MS

DECLASSIFIED

Authority NND 715074

