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# BUREAU OF SHIPS GROUP TECHNICAL INSPECTION REPORT

Classification (~~Secret~~) (Changed to **CONFIDENTIAL**)  
By Authority of Joint Chiefs of Staff (Action 15 Apr 49)  
By John Beggs Capt AFSCIP Date 24 Sept 51

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## U.S.S. INDEPENDENCE (CVL22)

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VOLUME 4 OF 4

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TECHNICAL INSPECTION REPORT.

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VOLUME IV [u] 8

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By Authority of Joint Chiefs of Staff (Action 15 Apr 49)  
By John P. ... Date 26 April 51  
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14 XRD-33

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F. X. Forest,  
Captain, U.S.N.

NOTE: This volume contains pages 509 to 766 inclusive.

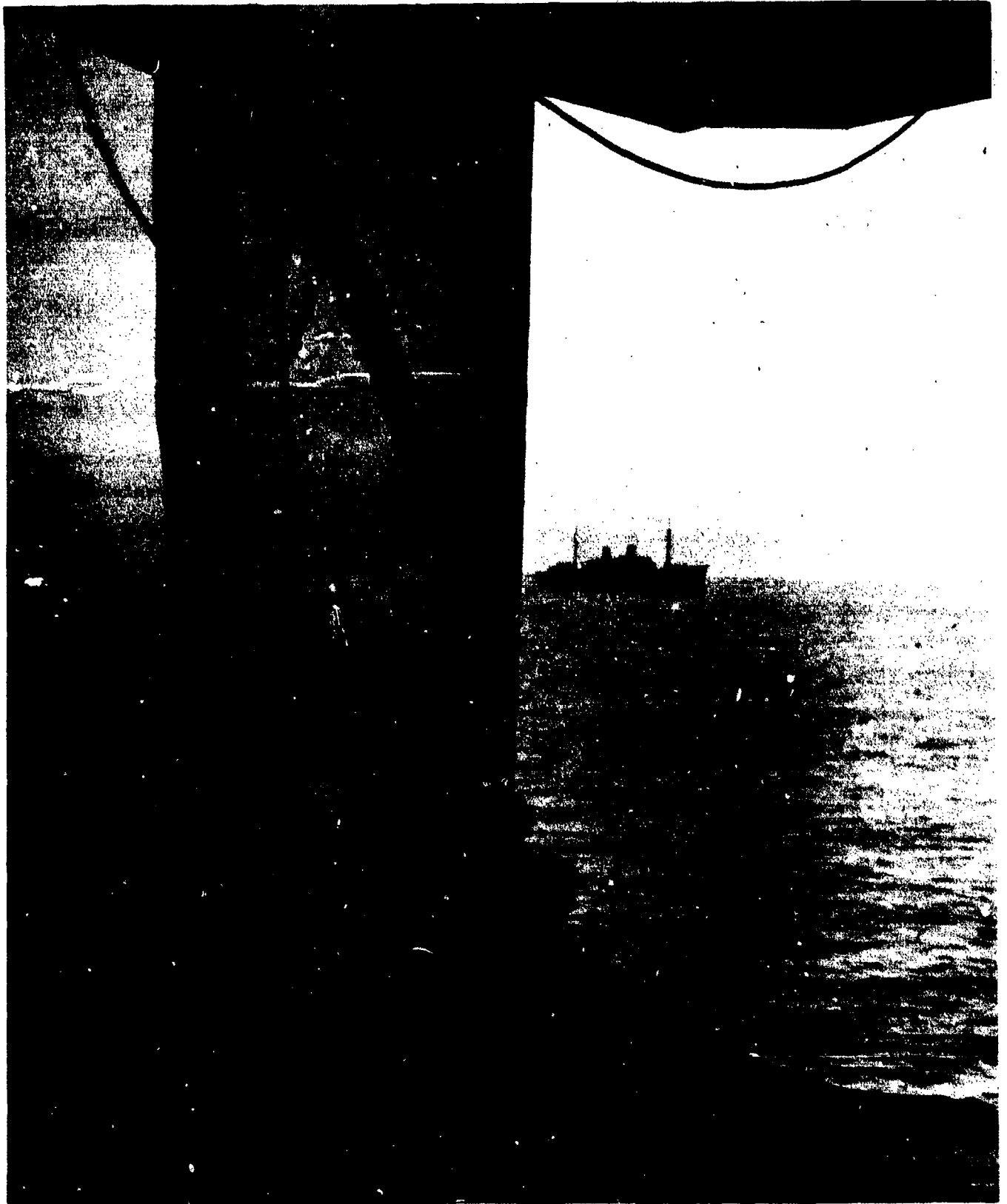
USS INDEPENDENCE (CVL22)

Page 509 of 766 Pages

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*James*

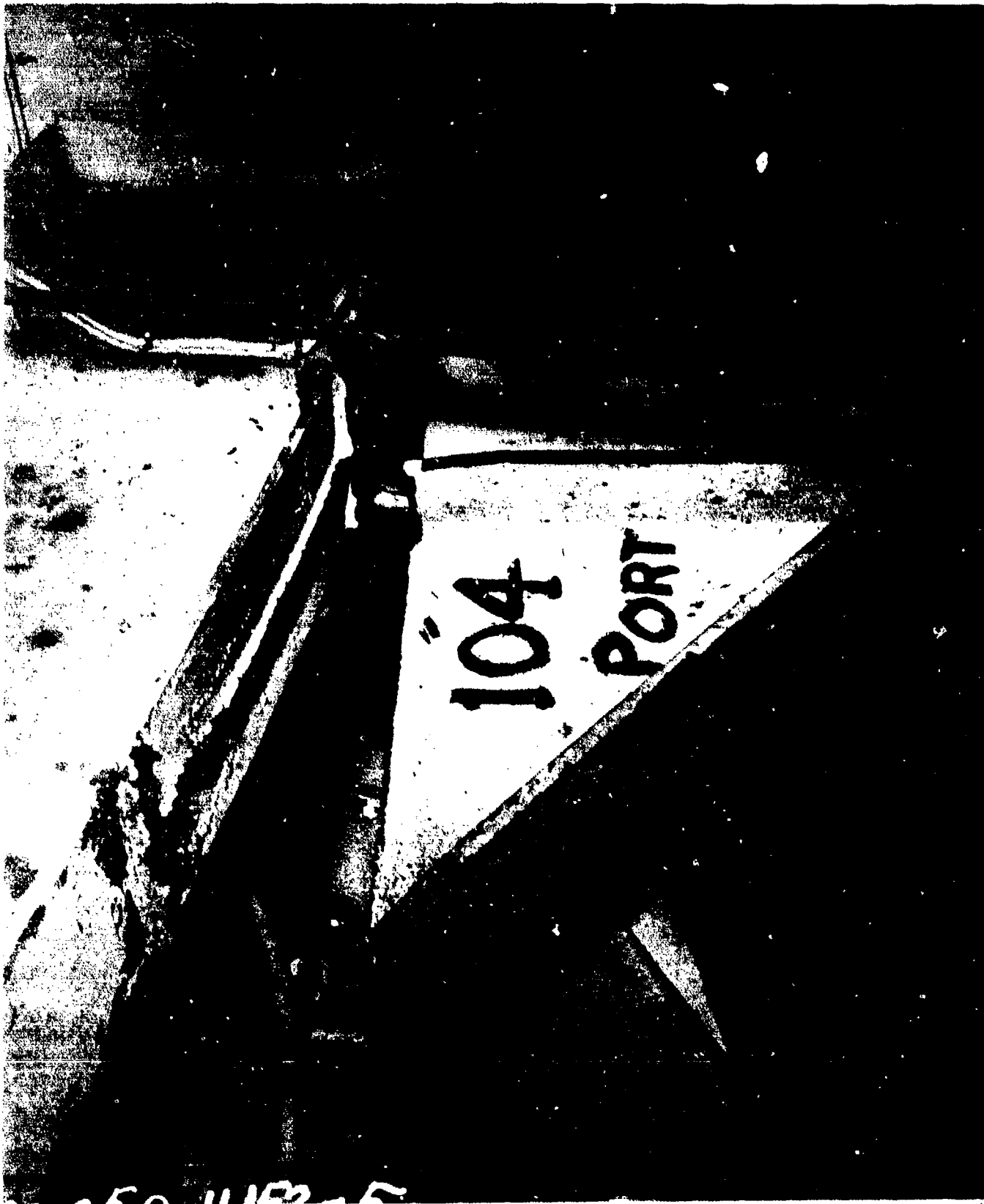


AA-CR-80-170-7. After Baker. Flight deck Bent 104, port bottom, looking aft.

SECRET

USS INDEPENDENCE (CVL22)  
Page 510 of 766 Pages

9713



AA-CR-59-4152-5. Flight deck Bent 104, port side overhead connection, showing failure of weld along upper edge of bracket and column. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 511 of 766 Pages

9713

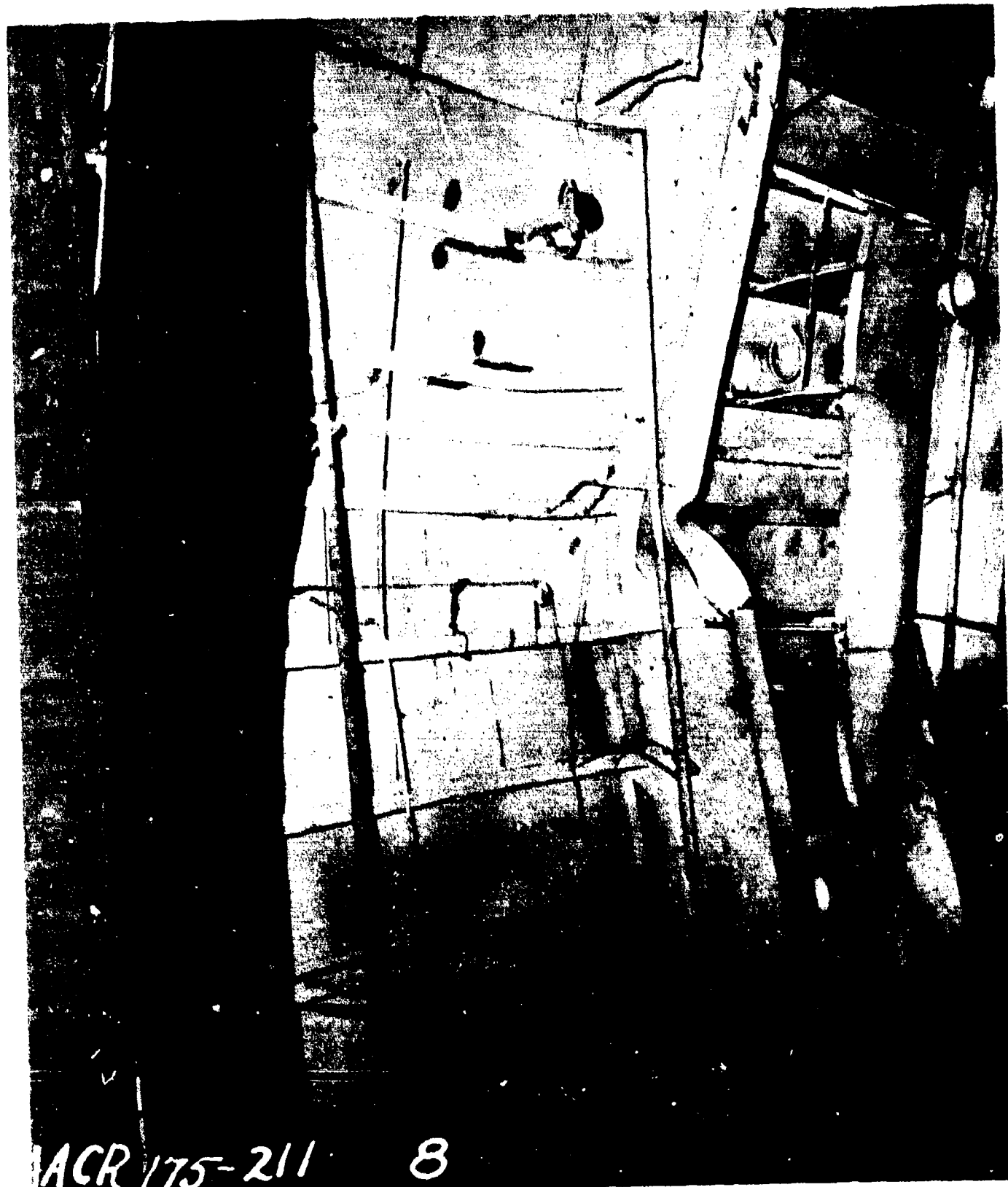


AA-CR-100-165-2. Flight deck Bent 104, port side overhead connection showing failure along weld at upper edge of bracket and inferior weld at end of bracket flange. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)  
Page 512 of 766 Pages

9713



AA-CR-175-211 8

AA-CR-175-2118-8. Flight deck Bents 101, 104 and 107, showing deformation and failure of Bent 104 at centerline butt weld. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 513 of 766 Pages

9713



AA-CR-175-2118-8. Flight deck Bents 101, 104 and 107, showing deformation and failure of Bent 104 at centerline butt weld. Looking forward.

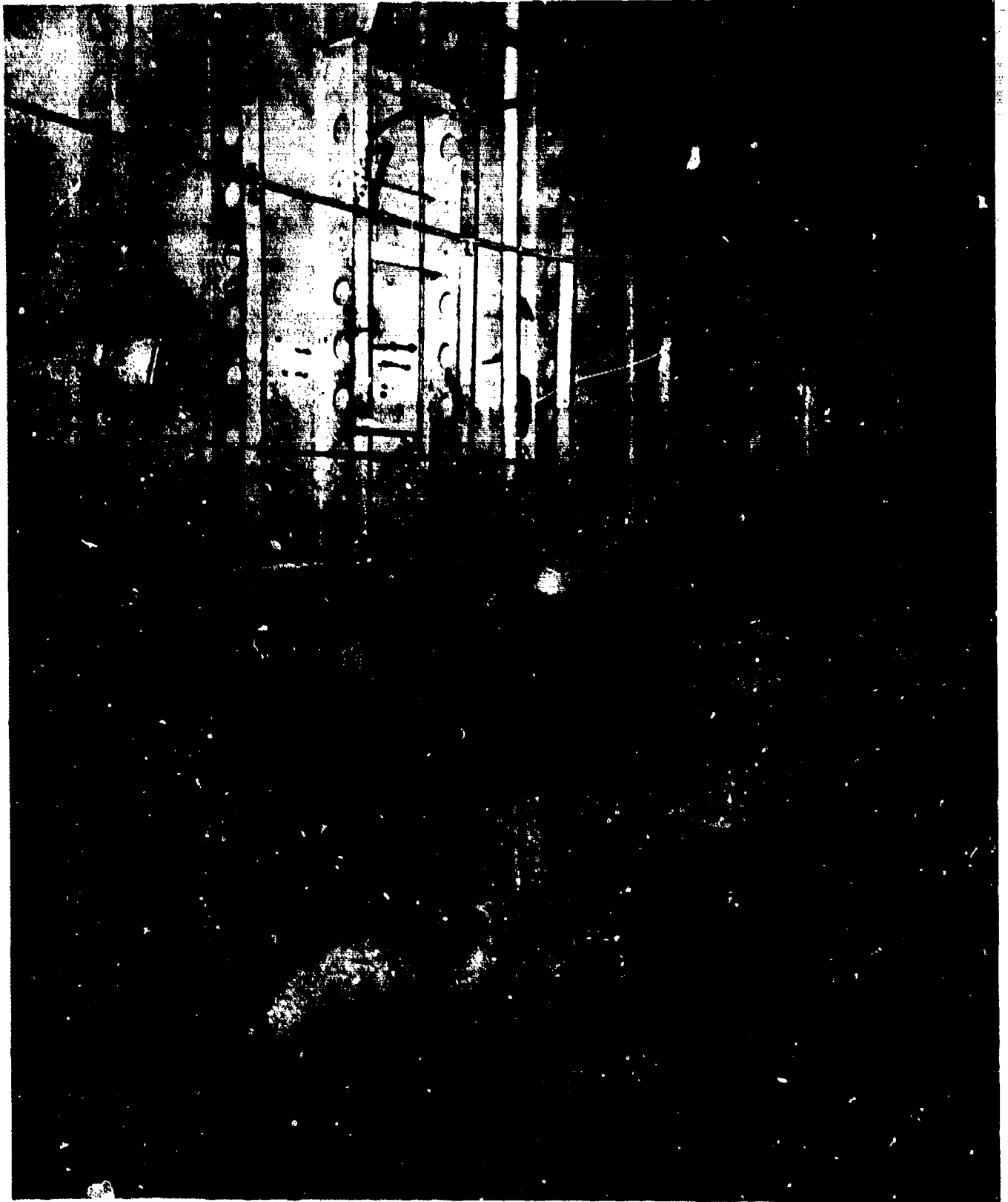
SECRET

USS INDEPENDENCE (CVL22)

Page 513 of 766 Pages

9713





AA-CR-59-4151-6. Flight deck girder 104, looking up and to starboard.

SECRET

USS INDEPENDENCE (CVL22)  
Page 514 of 766 Pages

9713



AA-CR-100-4161-10. Underside of flight deck, looking to port, showing deformation of bent girders 104 at centerline.

SECRET

USS INDEPENDENCE (CVL22)  
Page 515 of 766 Pages

9713



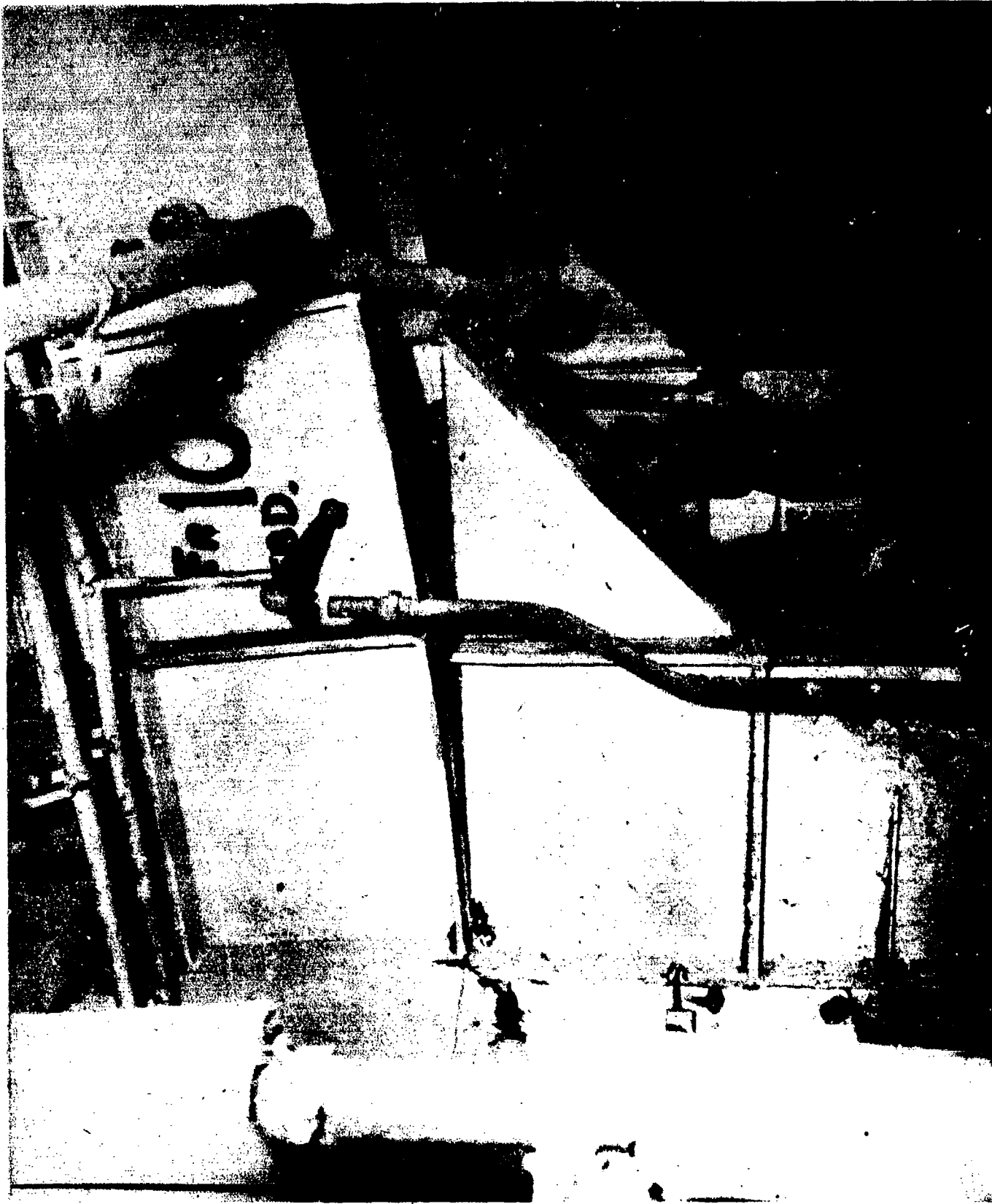
AA-CR-59-4152-1. Flight deck Bent 104, showing failure in butt weld in lower flange of Bent at centerline. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 516 of 766 Pages

9713



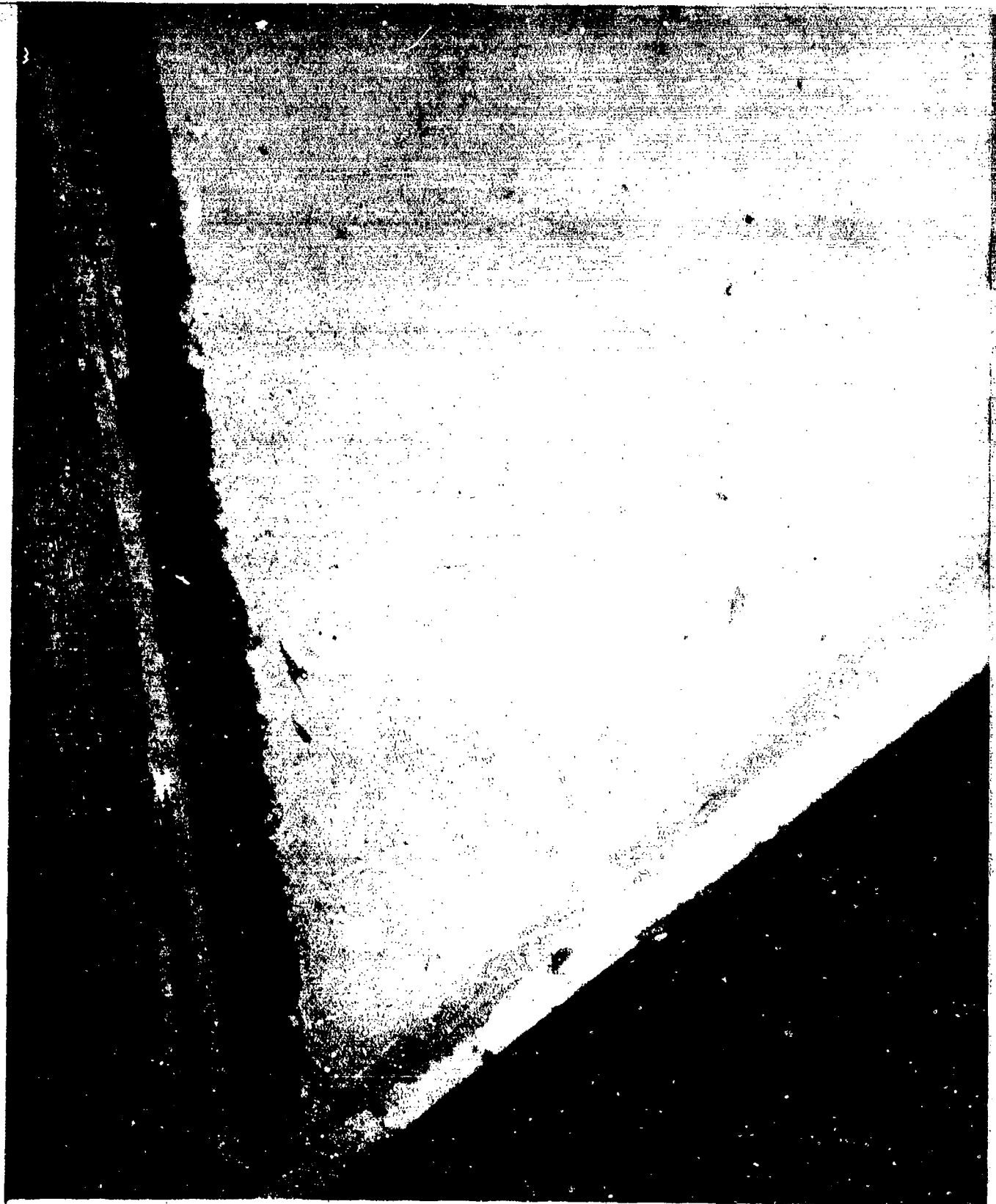
AA-CR-59-4149-11. Flight deck Bent 104, starboard overhead, connection showing failure of welded joint. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 517 of 766 Pages

9713



AA-CR-100-165-9. Flight deck Bent 104; starboard overhead connection, showing weld fracture along upper edge of bracket. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)  
Page 518 of 766 Pages

9713



AA-CR-80-170-8. After Baker. Flight deck Bent 104, starboard bottom, looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 519 of 766 Pages

9713



AA-CR-59-2113-11. Flight deck Bents 104 and 107, port side overhead connections, showing failure of welds along upper edge of brackets. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)  
Page 520 of 766 Pages

9713



AA-CR-100-4161-3. Flight deck Bent 107. Weld failure at port side connection of Bent to S.T.S. shear strake. Looking inboard to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 521 of 766 Pages

9713





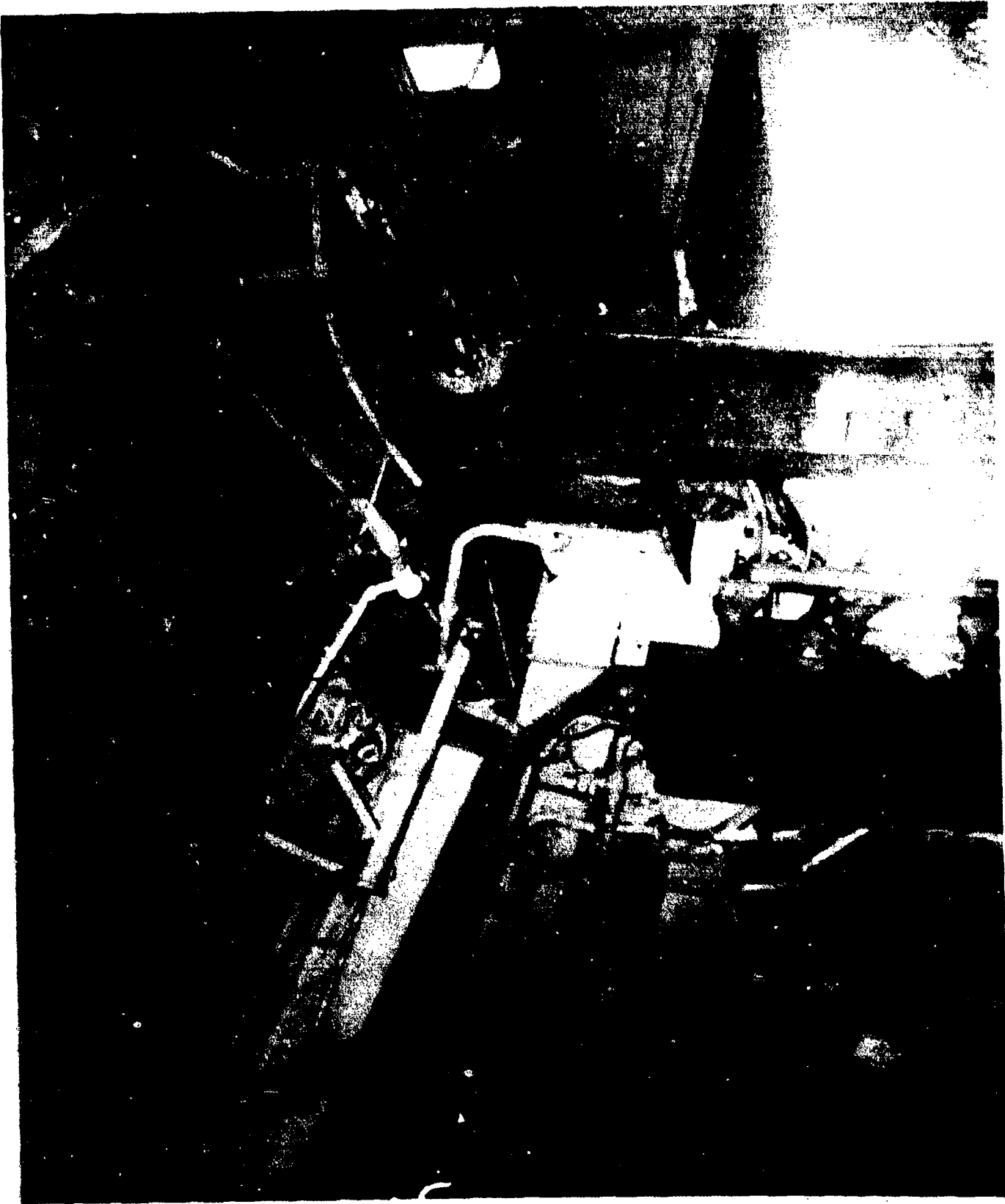
AB-CR-80-170-9. After Baker. Flight deck Bent 107, port bottom, looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 522 of 766 Pages

9713



AA-CR-59-2113-5. General view of underside of flight deck looking forward along starboard side.

SECRET

USS INDEPENDENCE (CVL22)

Page 523 of 766 Pages

9713



AA-CR-59-4152-4. Flight deck Bent 107, port overhead connection, showing failure of weld along upper edge of bracket. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 524 of 766 Pages

9713



AA-CR-59-4152-3. Flight deck bent 107 (not 108). Upper port corner, looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 525 of 766 Pages

9713



AA-CR-59-4151-12. Flight deck bent girders 107 and 104, looking forward and up. Centerline of ship is just to left of deep buckle in 104.

SECRET

USS INDEPENDENCE (CVL22)

Page 526 of 766 Pages

9/13



AA-CR-100-4161-11. Flight deck Bent 107, showing distortion near centerline. Looking to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 527 of 766 Pages

9713



AA-CR-59-4152-2. Flight deck bent girder 107, looking aft, showing buckle to starboard of centerline.

SECRET

USS INDEPENDENCE (CVL22)

Page 528 of 766 Pages

9713



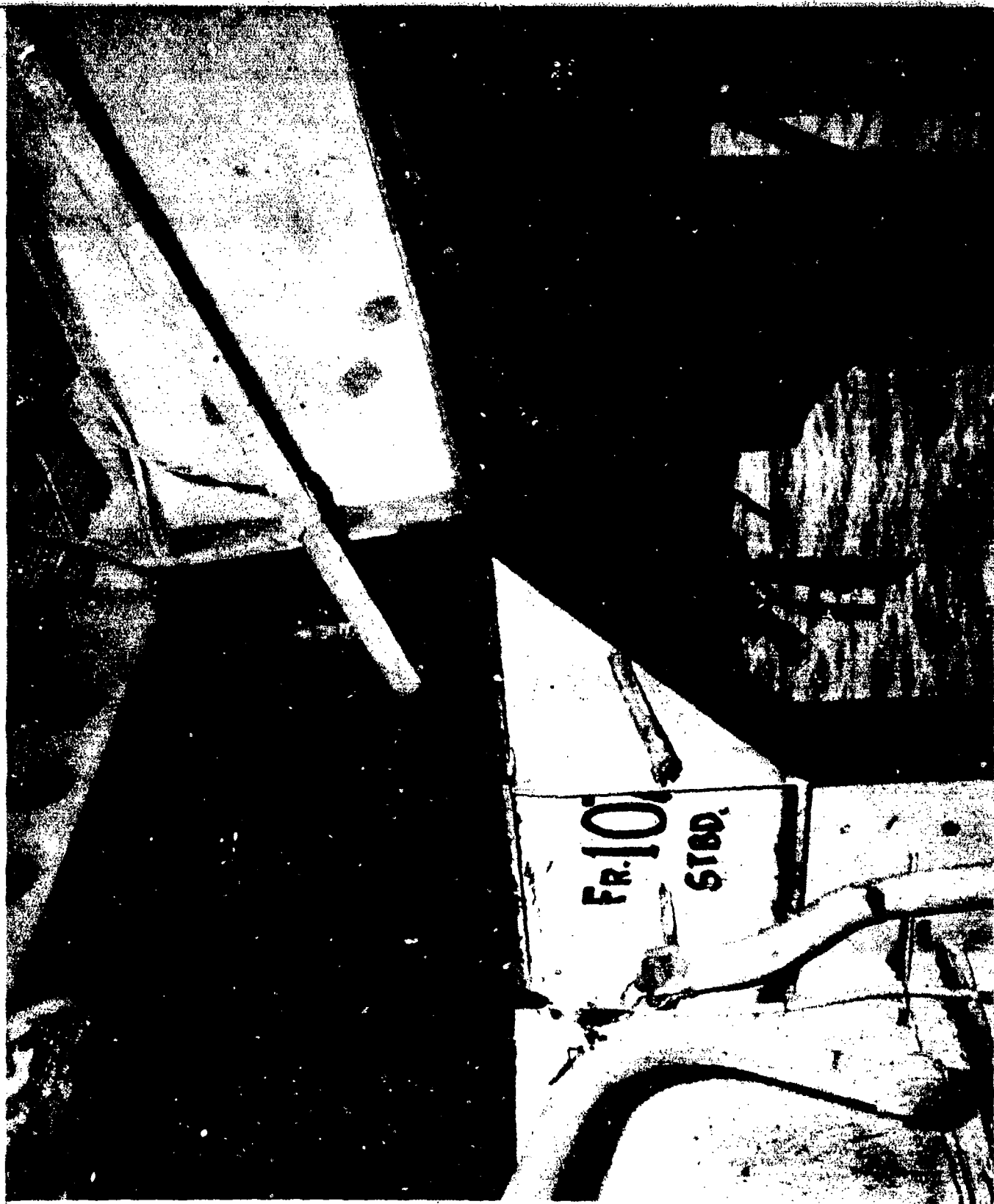
AA-CR-59-4151-7. Flight deck bent girder 107, looking up and to starboard.

SECRET

USS INDEPENDENCE (CVL22)  
Page 529 of 766 Pages

9713





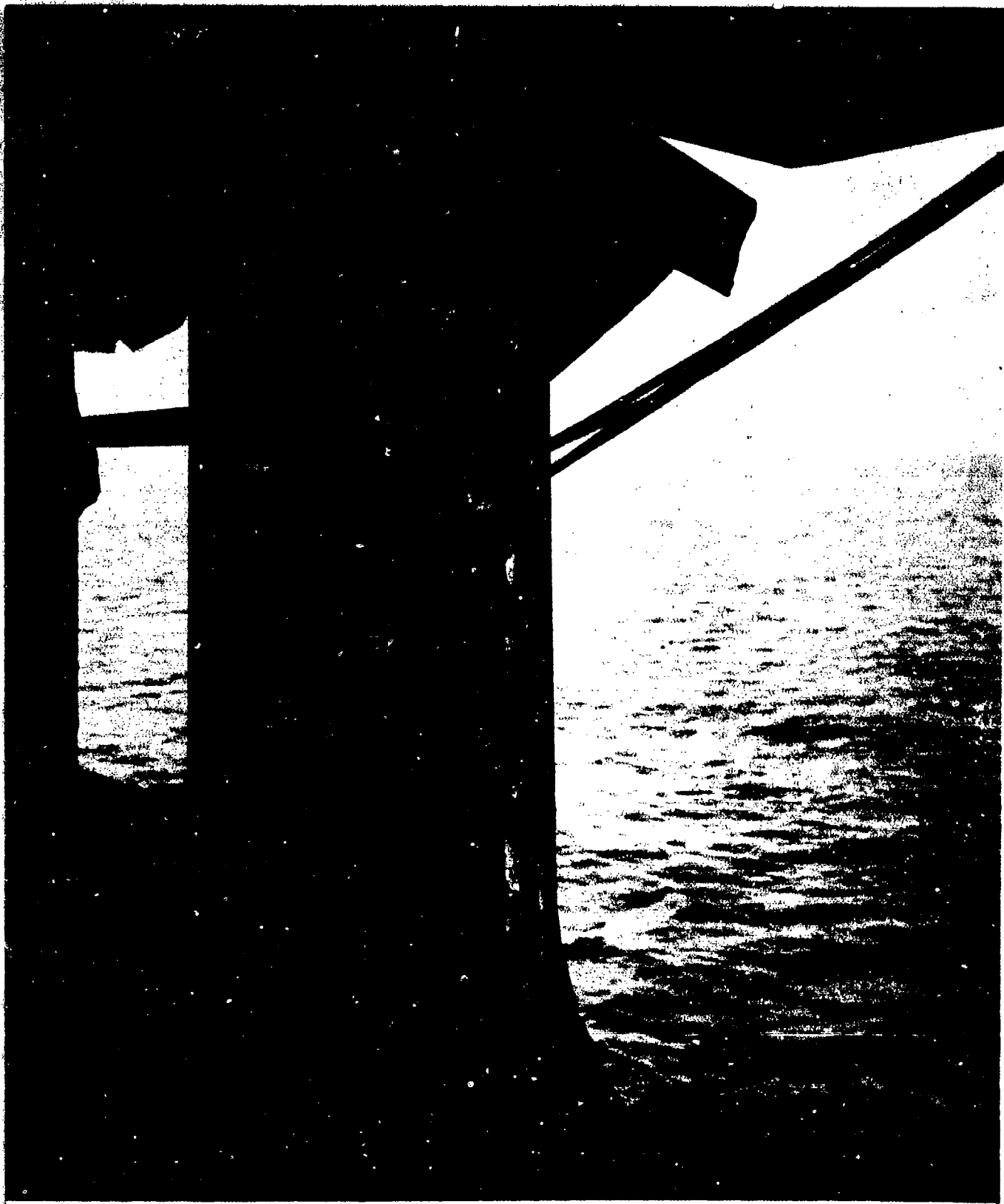
AA-CR-59-4150-4. Flight deck Bent 107, starboard overhead connection showing failure of weld at upper edge of bracket. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 530 of 766 Pages

9713



AA-CR-80-170-10. After Baker. Flight deck Bent 107, starboard bottom, looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 531 of 766 Pages

9713



AA-CR-65-958-1. Flight deck Wobble Bent 110, showing failure of port - side riveted connection to hangar deck. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 532 of 766 Pages

9713



AA-CR-175-2131-9. Bent 110, port side, looking outboard from center-line.

SECRET

USS INDEPENDENCE (CVL22)  
Page 533 of 766 Pages

9713



AA-CR-59-4151-10. Flight deck Wobble Bent 110, port side, showing deformation and failure of riveted deck connection. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)  
Page 534 of 766 Pages

9713



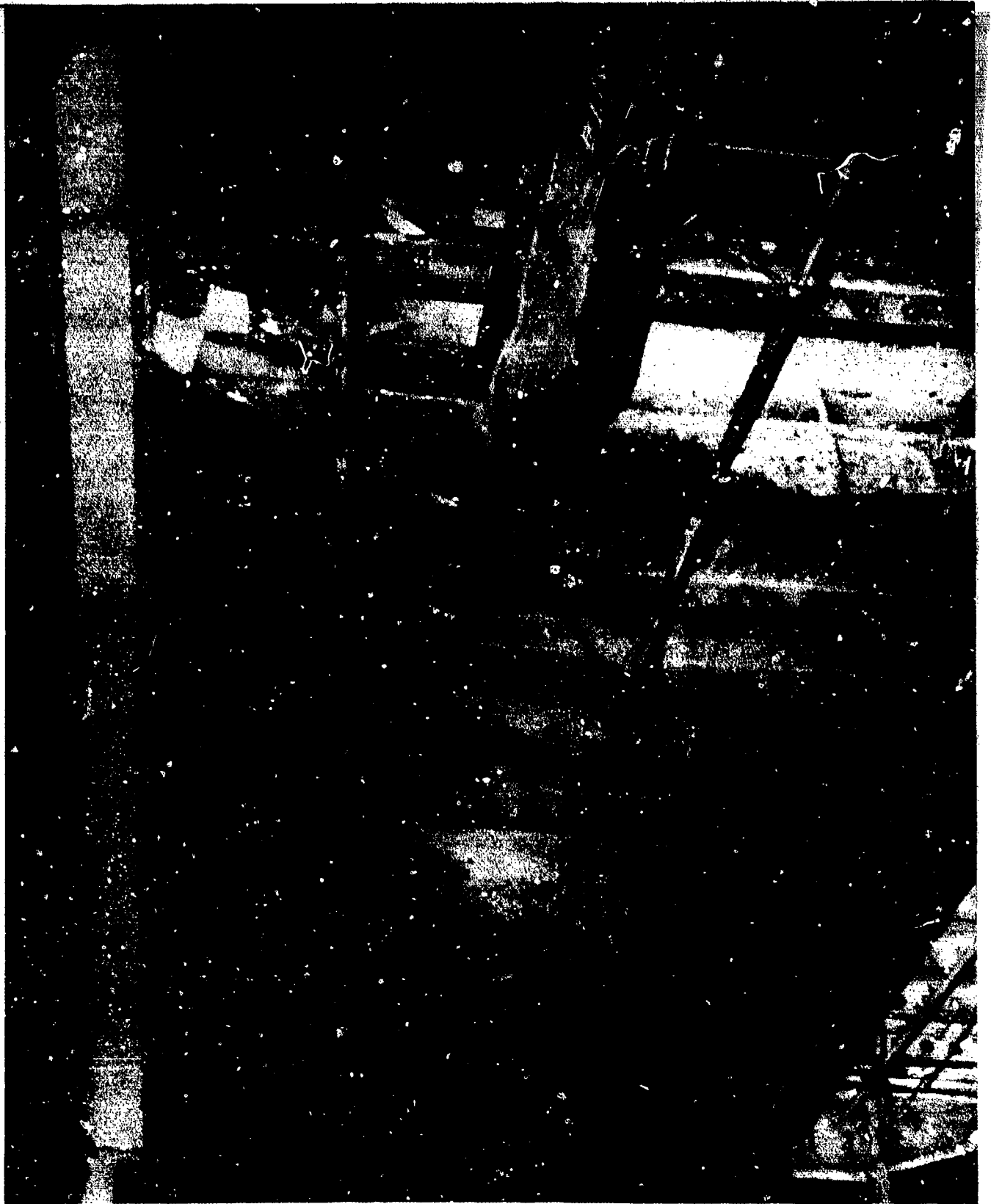
AB-CR-80-170-11. After Baker - Flight deck Bent 110, port top, looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 535 of 766 Pages

9713



AA-CR-100-4161-12. Underside of flight deck showing distortion of Bent girder 110. Looking up and to port. Note opening of expansion joint at frame 111 1/2.

SECRET

USS INDEPENDENCE (CVL22)

Page 536 of 766 Pages

9713



AA-CR-59-4151-9. Flight deck bent girders 104, 107 and 110, showing failures near centerline. Looking forward and to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 537 of 766 Pages

9713





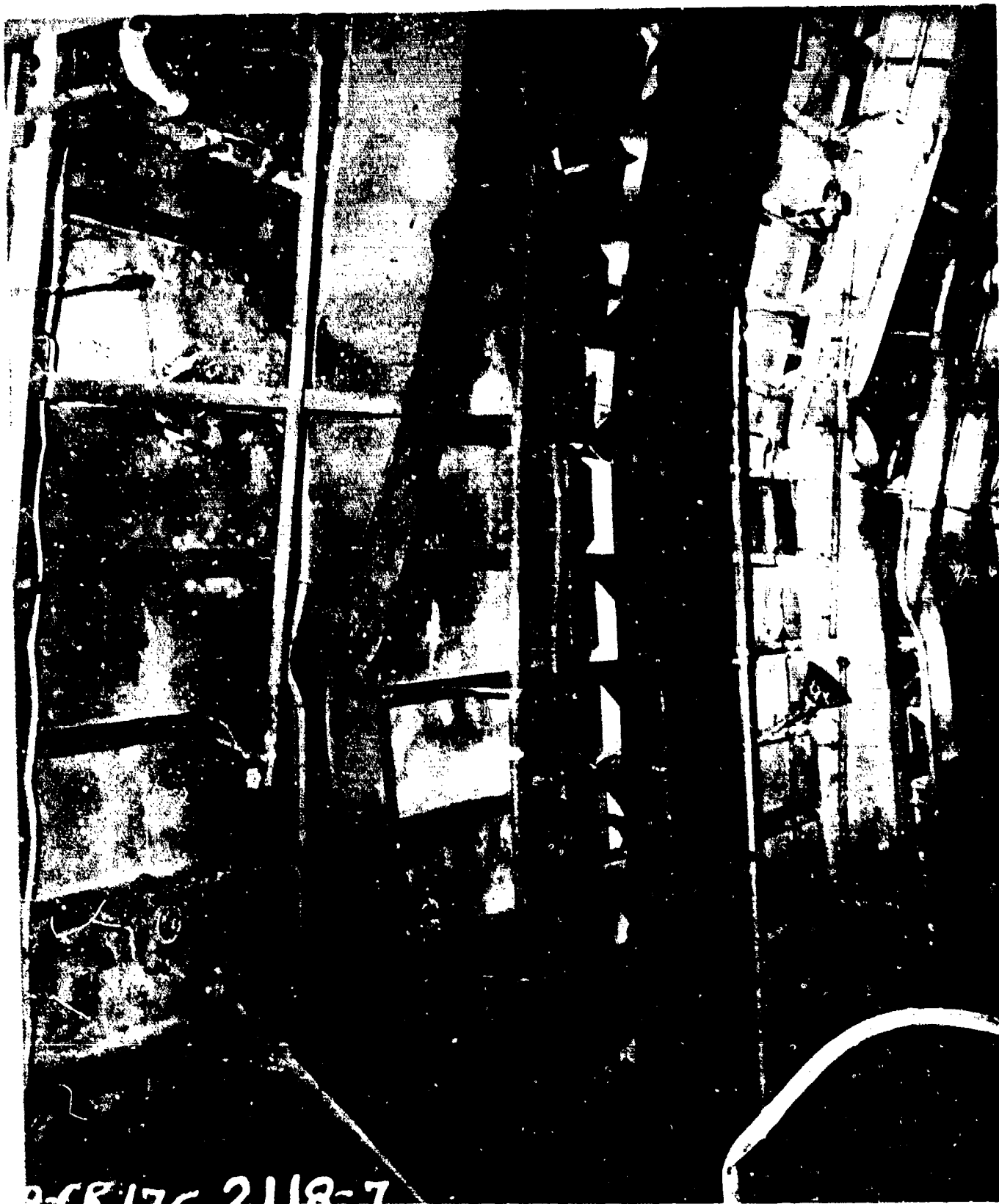
AA-CR-59-4151-8. Underside of flight deck showing distortion of Bent girder 110. Looking up and to starboard. Note opening of expansion joint at frame 111 1/2.

SECRET

USS INDEPENDENCE (CVL22)

Page 538 of 766 Pages

9713



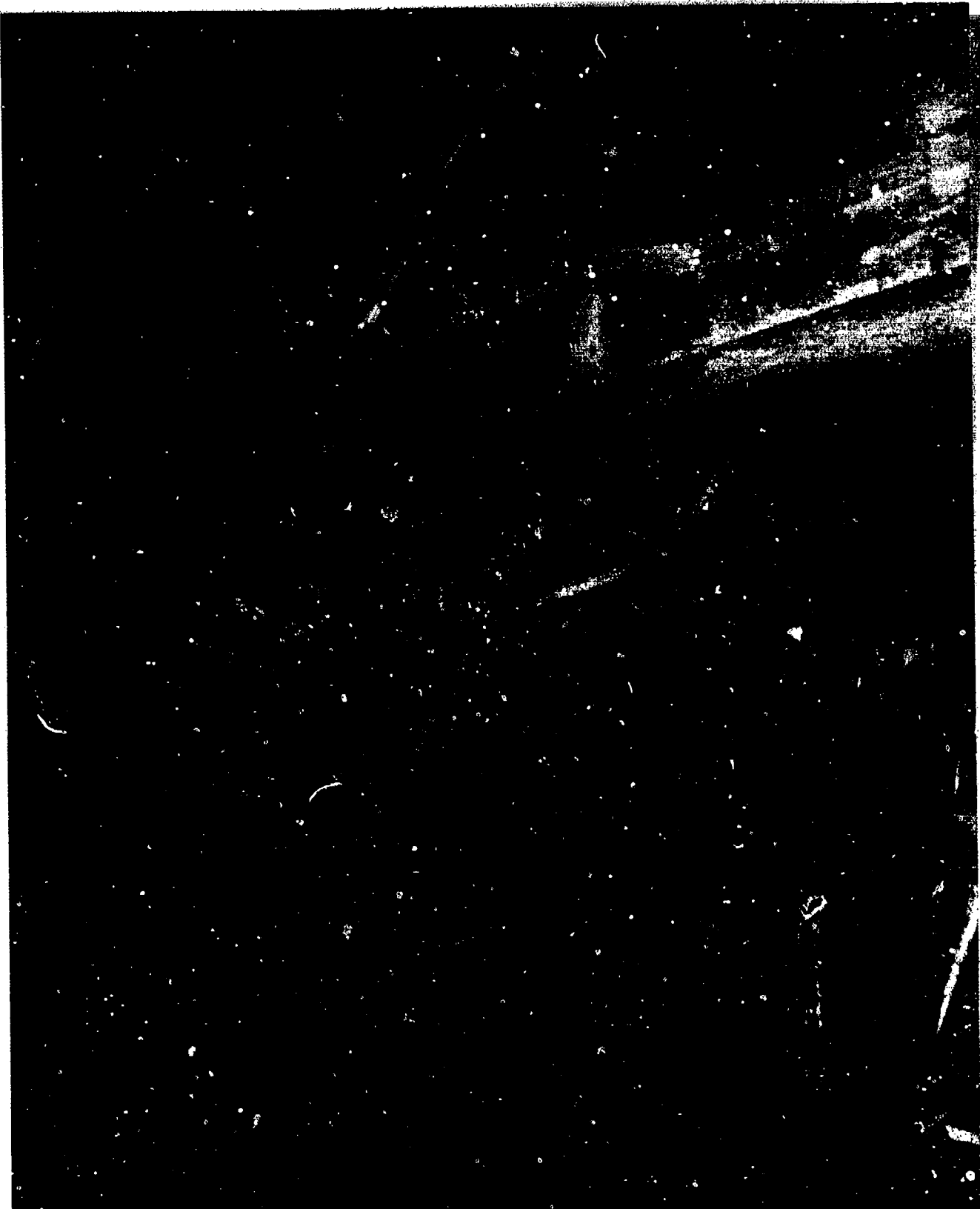
AA-CR-175-2118-7. Underside of flight deck, Bent girder 110, looking forward from bent 115 along centerline.

SECRET

USS INDEPENDENCE (CVL22)

Page 539 of 766 Pages

9713



AA-CR-175-2131-11. Flight deck Bent 110, starboard overhead connection showing failure of welded joint. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)  
Page 540 of 766 Pages

9713



AA-CR-59-4149-12. Flight deck Bent 110, starboard overhead connection, showing failure of welds at vertical and horizontal joints. Locking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 541 of 766 Pages

9713

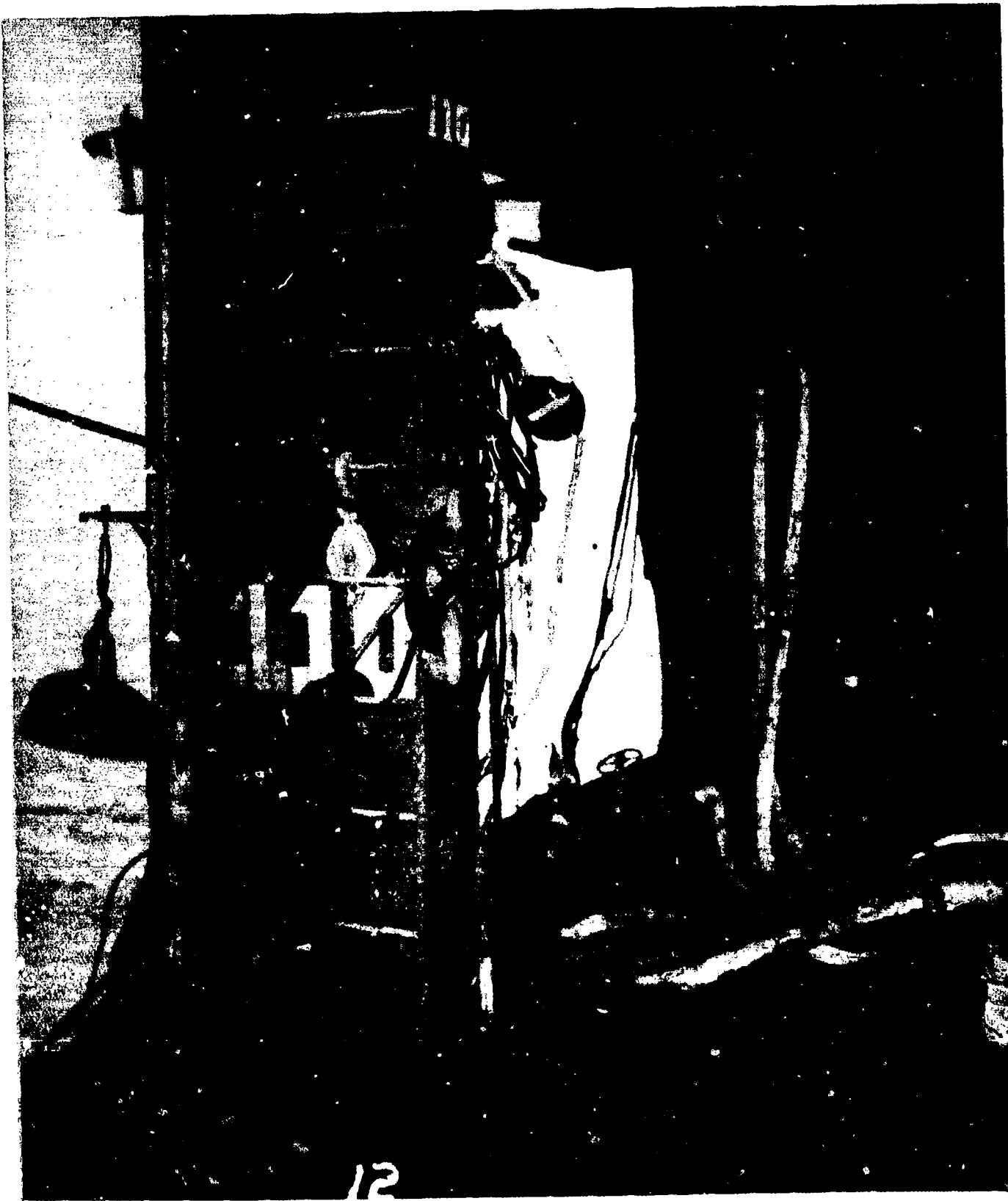


AA-CR-100-165-10. Flight deck Bent 110, port side overhead connection showing fractured fillet welds. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)  
Page 542 of 766 Pages

9713



AB-CR-80-170-12. After Baker - Flight deck Bent 110, starboard bottom, looking aft.

SECRET

USS INDEPENDENCE (CVL22)  
Page 543 of 766 Pages

9713



AB-CR-80-1675-1. After Baker. Flight deck Bent 113, top corner,  
port side, looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 544 of 766 Pages

9713



AA-CR-59-4153-1. Flight deck Wobble Bents 113 and 115, port side, looking aft and to port. Note failure of deck pad at 113.

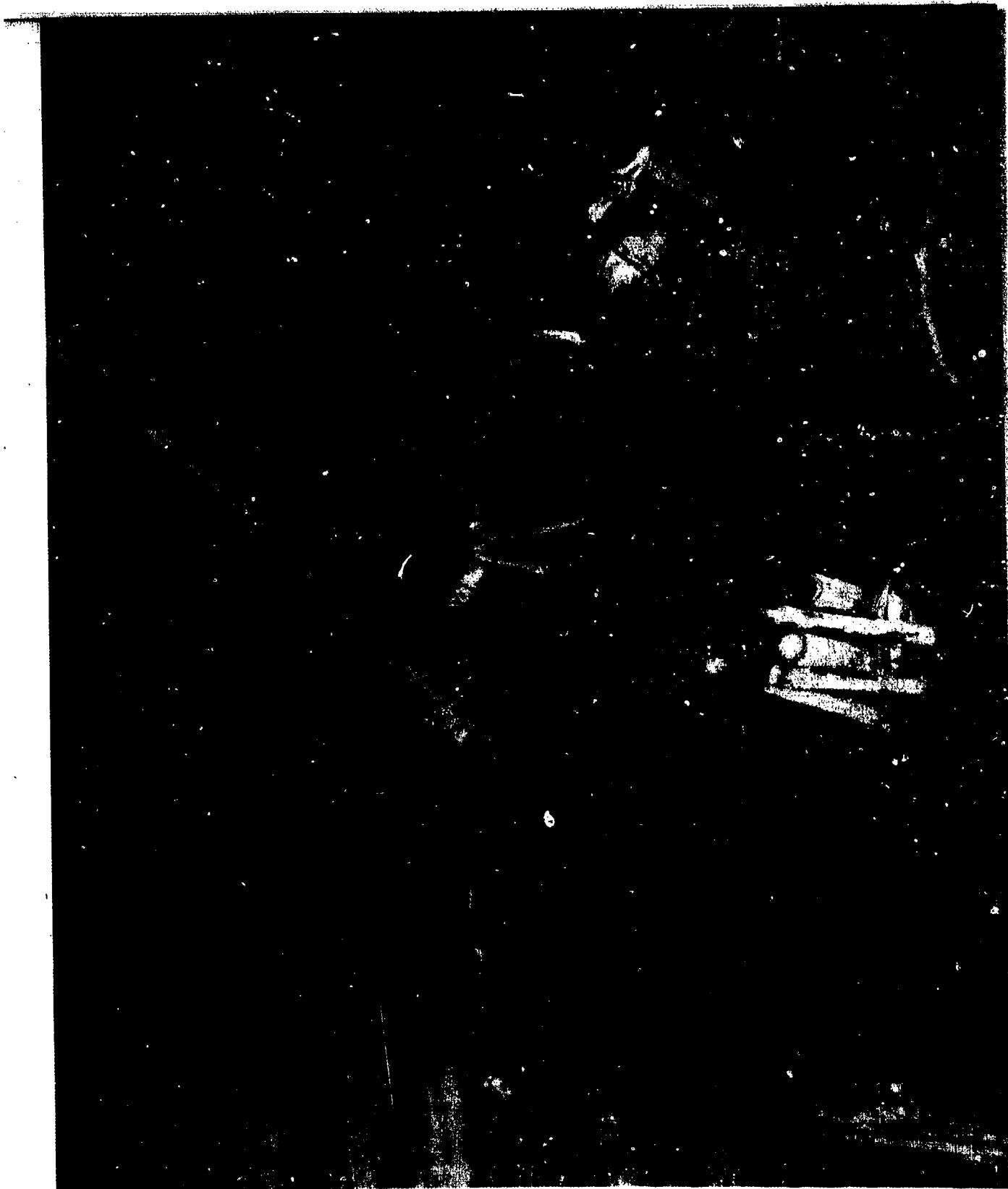
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USS INDEPENDENCE (CVL22)

Page 545 of 766 Pages

9713



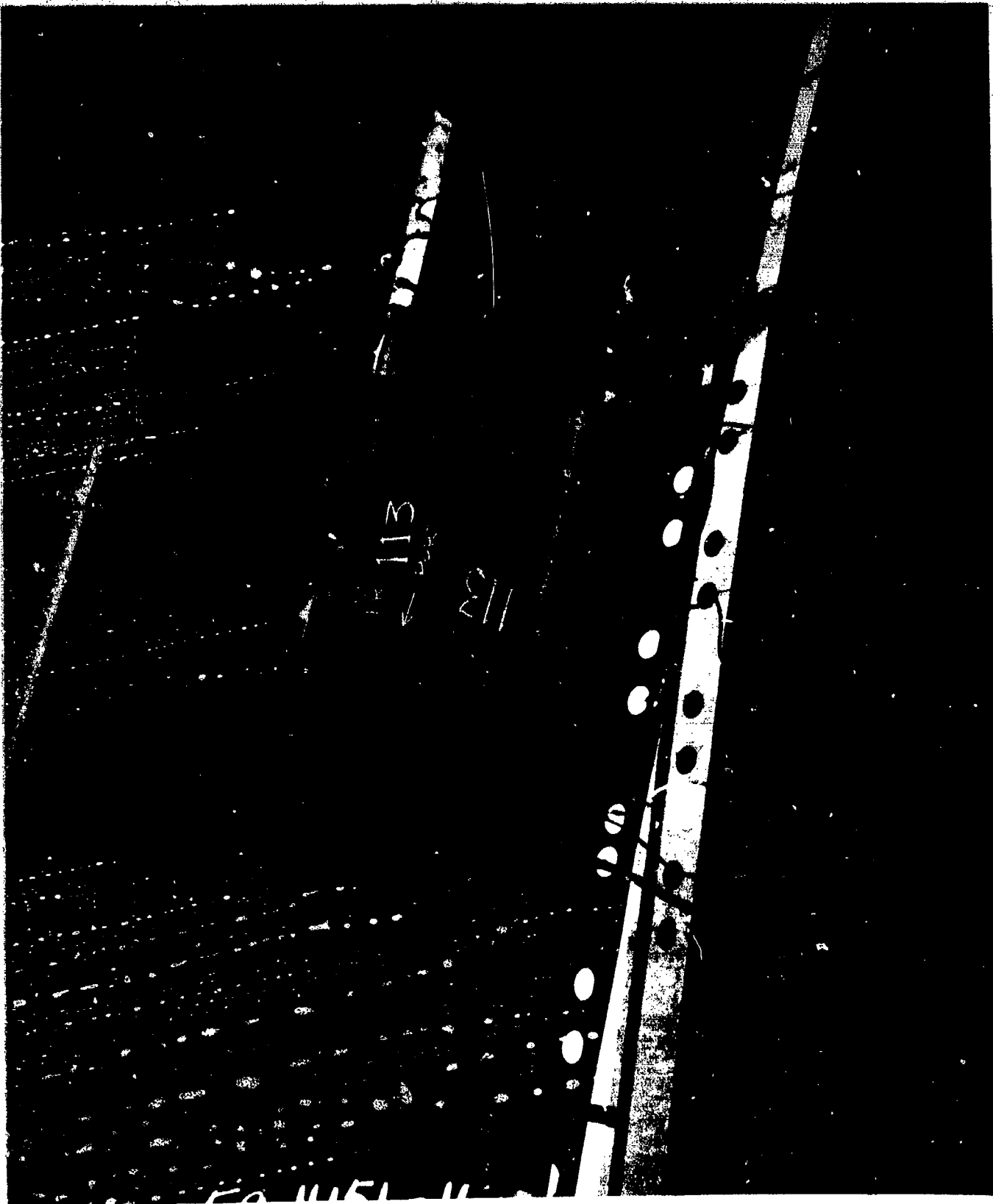


AA-CR-65-958-2. Failure of Wobble bent deck pad, frame 113, port side, looking forward.

SECRET

USS INDEPENDENCE (CVL22)  
Page 546 of 766 Pages

9713



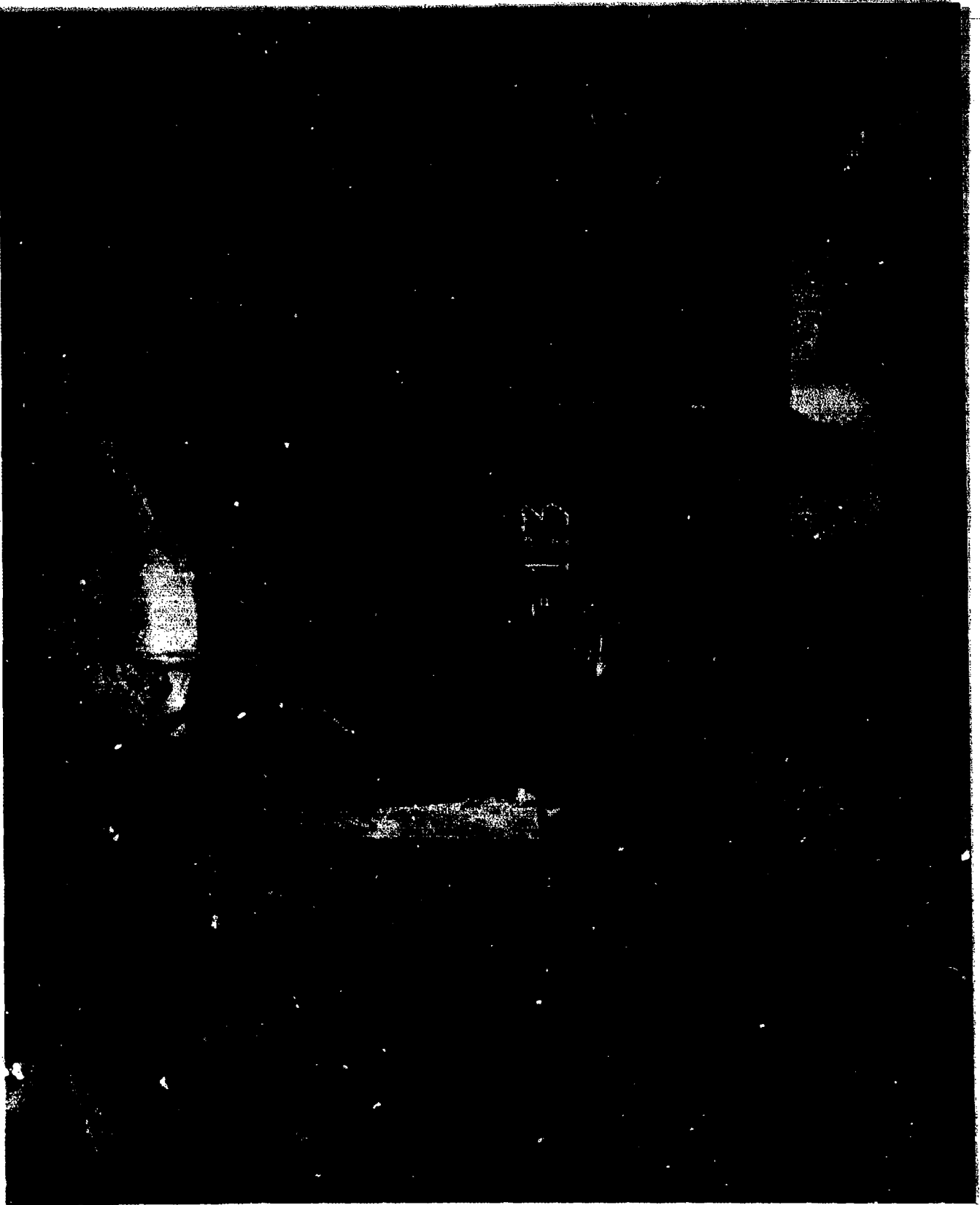
AA-CR-59-4151-11. Flight deck Bent girder 113, looking forward and up.

SECRET

USS INDEPENDENCE (CVL22)

Page 547 of 766 Pages

9713



AA-CR-59-4150-1. Flight deck Bent 113, starboard upper corner, looking aft.

SECRET

USS INDEPENDENCE (CVL22)  
Page 548 of 766 Pages

9713



AA-CR-80-1675-3. After Baker. Flight deck Bent 113, bottom, starboard side, looking aft.

SECRET

USS INDEPENDENCE (CVL22)  
Page 549 of 766 Pages

9713



AA-CR-100-4160-1. Underside of gallery plating, frames 113 to 115, port side. Note similarity of damage between these beams and flight deck girders.

SECRET

USS INDEPENDENCE (CVL22)

Page 550 of 766 Pages

9713



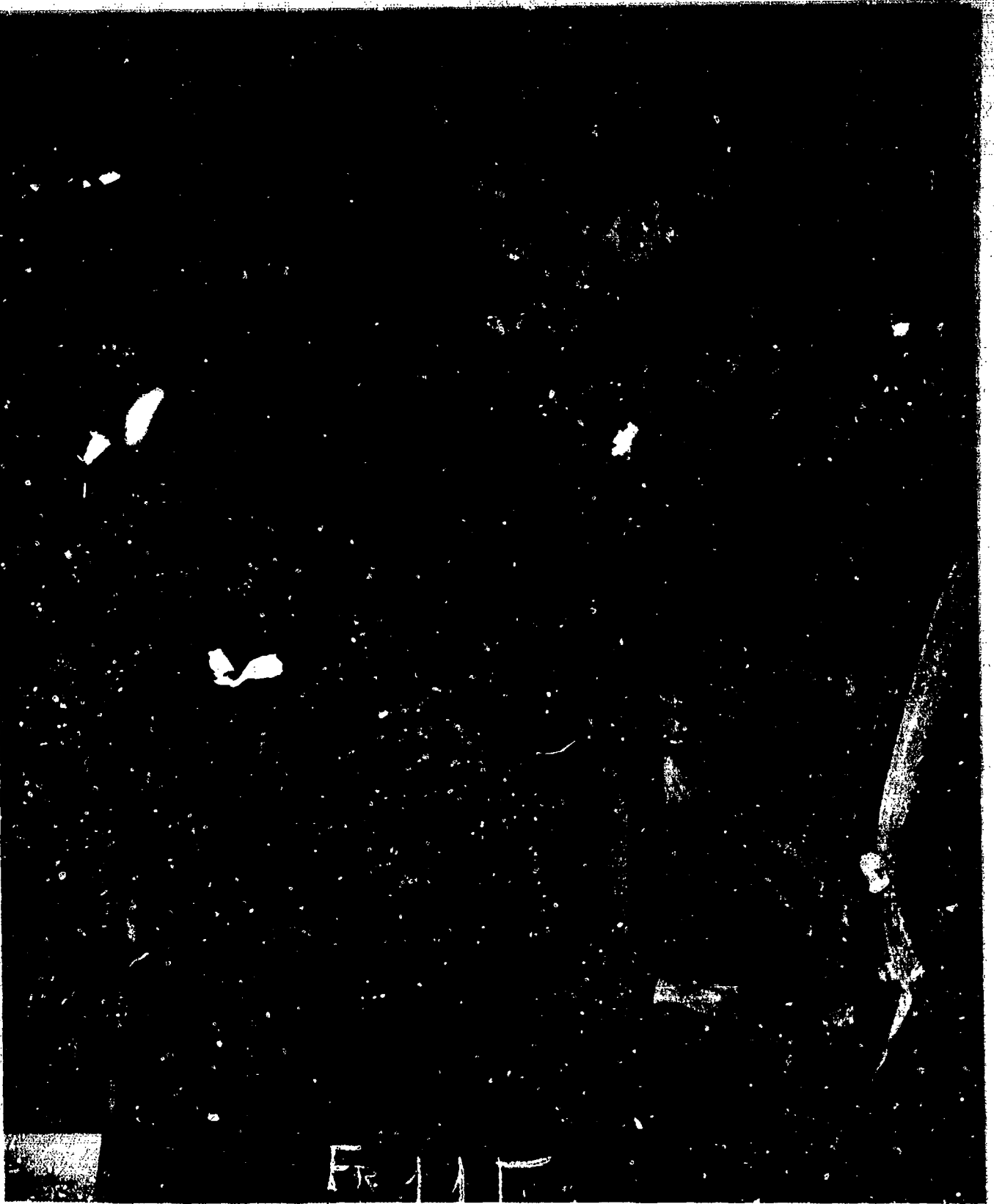
AB-CR-80-1675-2. After Baker. Flight deck Bents 113 and 115, top corner, starboard side, looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 551 of 766 Pages

9713



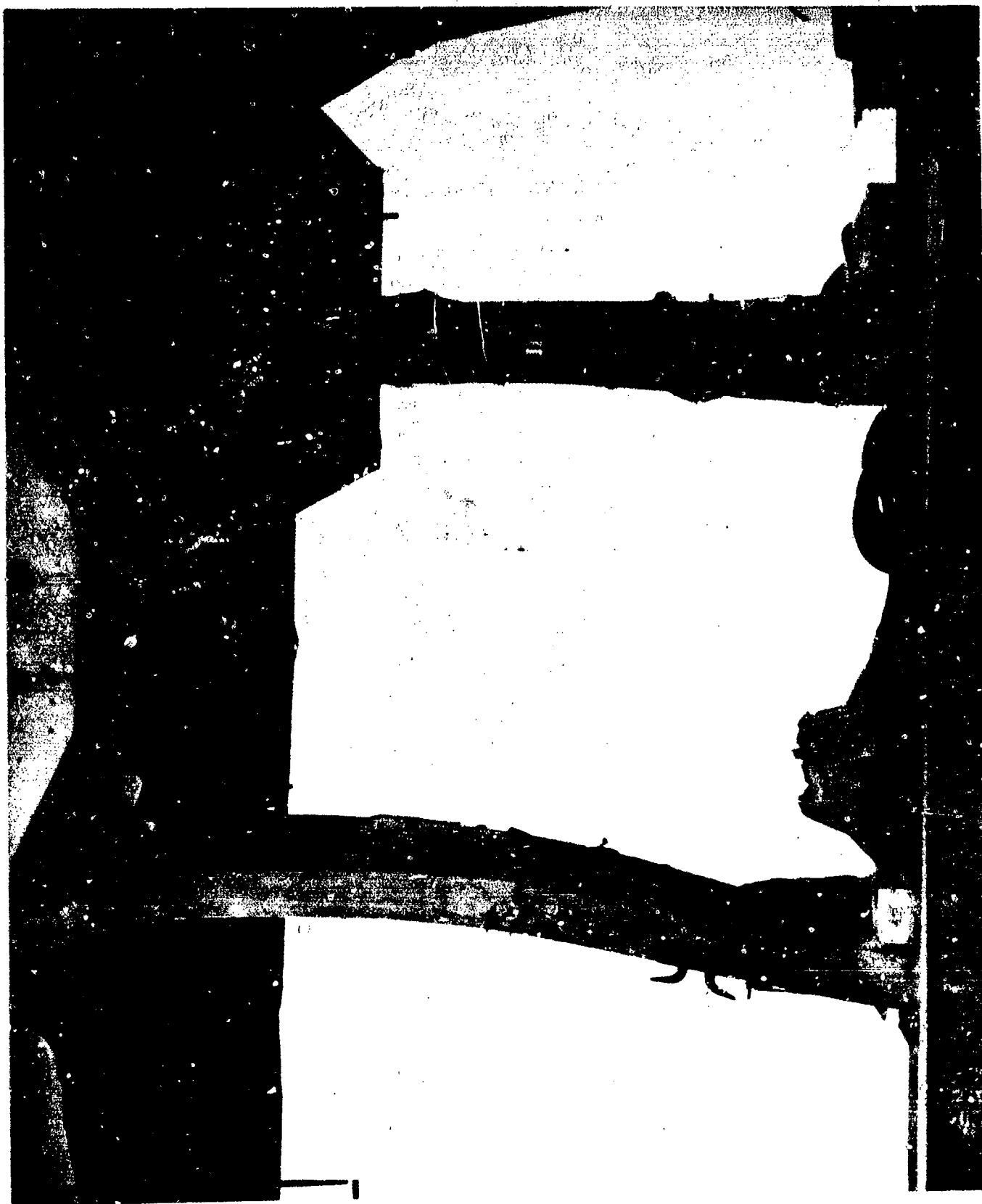
AA-CR-59-4150-6. Flight deck bent 115, port upper corner, looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 552 of 766 Pages

9713



AA-CR-59-4150-10. Flight deck Bents 115 and 118, port side. Looking to port from elevator well.

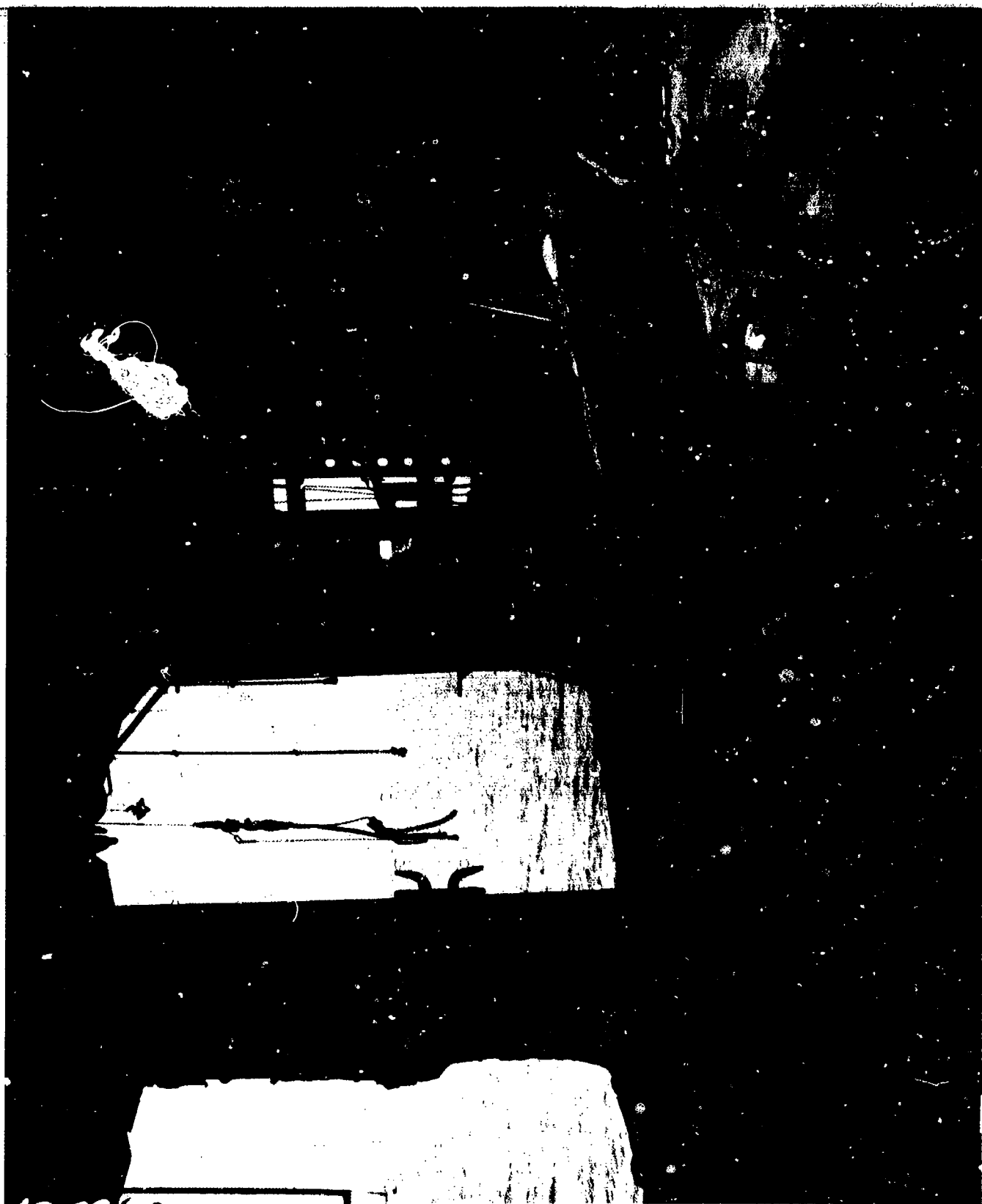
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USS INDEPENDENCE (CVL22)

Page 553 of 766 Pages

9713





AB-CR-80-1675-4. After Baker. Flight deck columns 118 and 124, starboard side, looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 554 of 766 Pages

9713



AA-CR-59-4150-2. Flight deck Bents 115 and 118, starboard side.  
Looking to starboard and forward from elevator well.

SECRET

USS INDEPENDENCE (CVL22)  
Page 555 of 766 Pages

9713



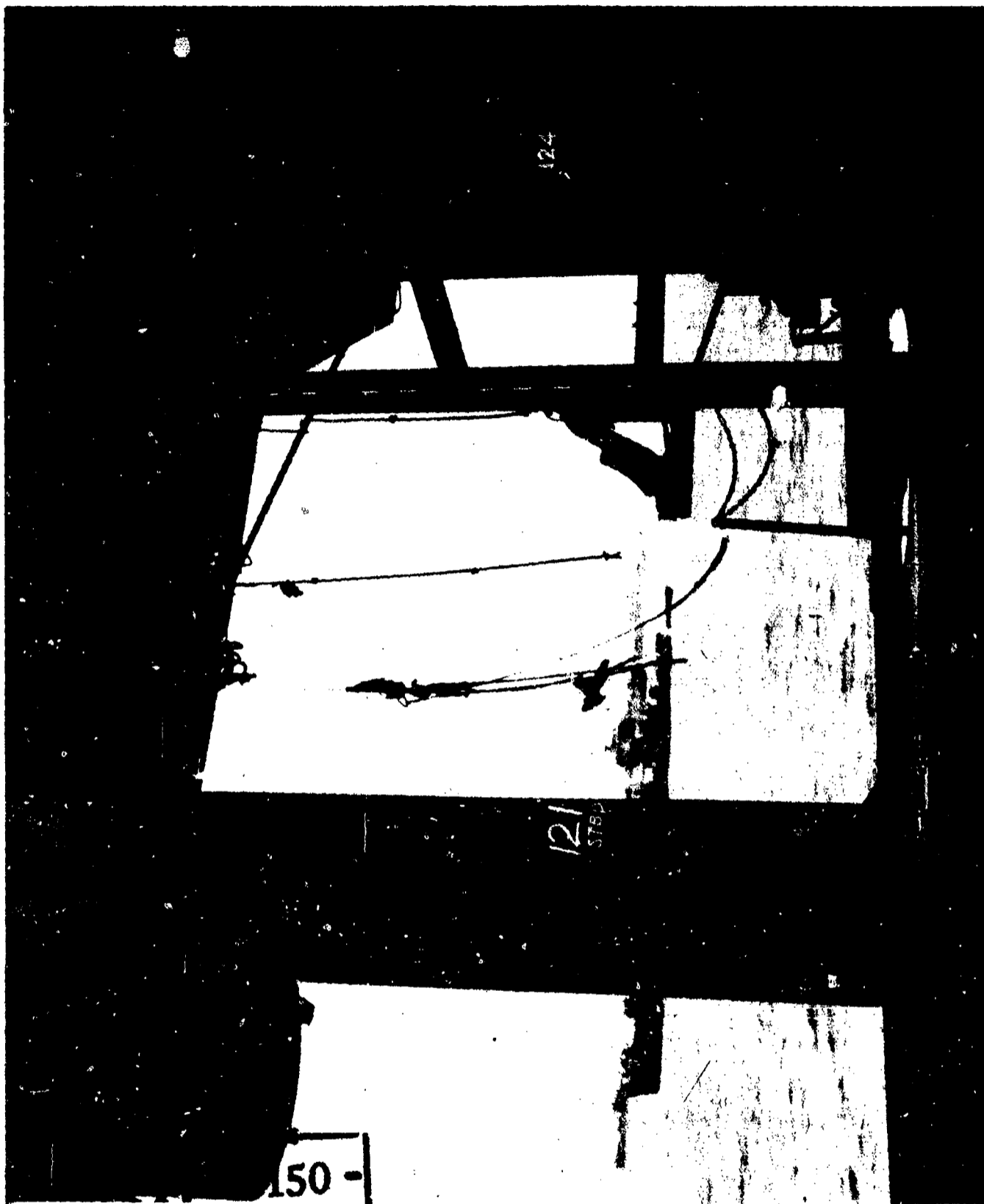
AA-CR-65-958-3. Bent 118, port side, looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 556 of 766 Pages

9713

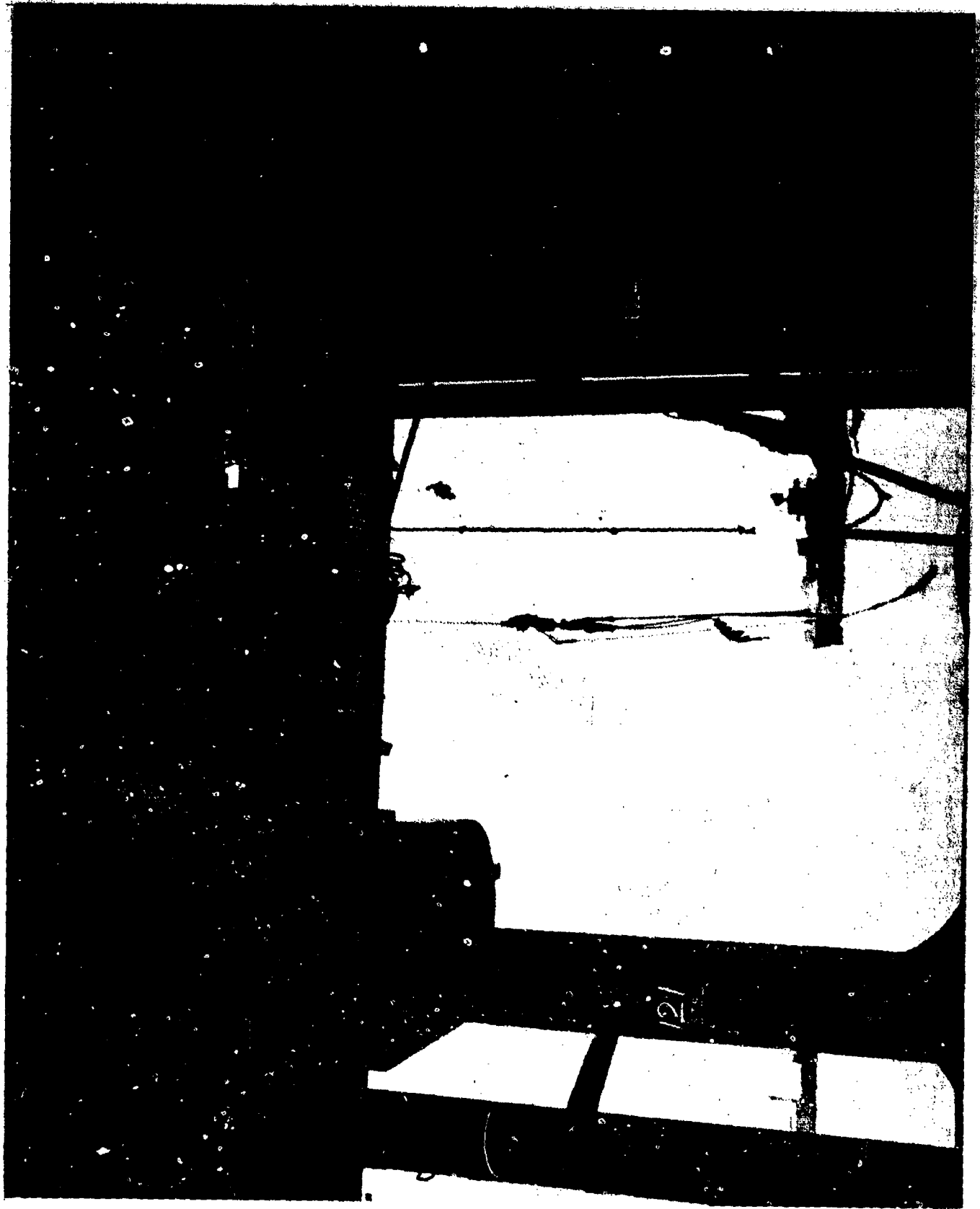


AA-CR-59-4150-3. Flight deck columns 121 and 124, starboard side. Looking to starboard and aft from elevator well. Note that there is virtually no damage.

SECRET

USS INDEPENDENCE (CVL22)  
Page 557 of 766 Pages

9713



AA-CR-59-4150-12. Flight deck Bents 121 and 124, starboard side, looking to starboard from elevator well. Note elevator guide rail on Bent 121.

SECRET

USS INDEPENDENCE (CVL22)  
Page 558 of 766 Pages

9713



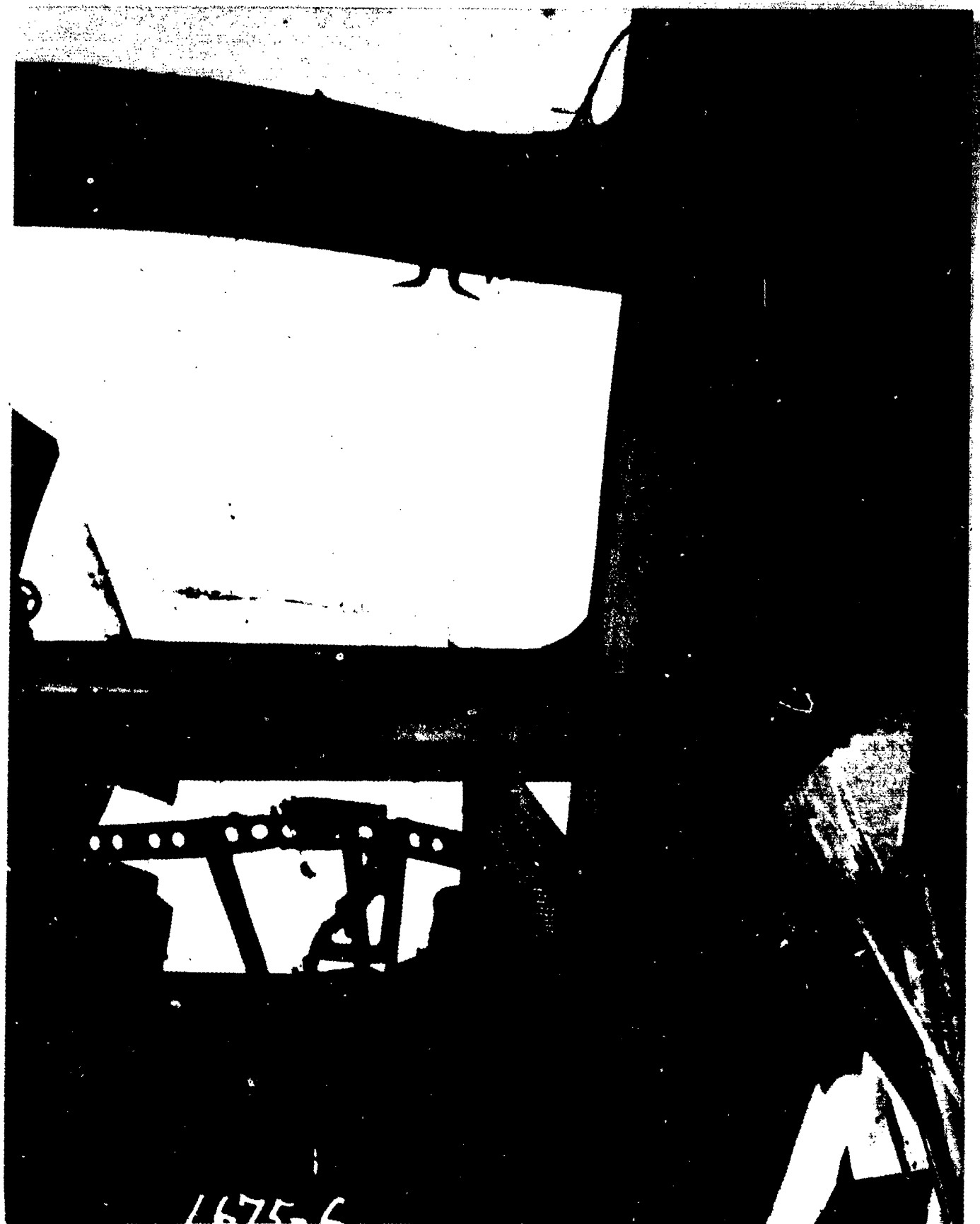
AA-CR-80-1675-5. After Baker. Flight deck columns 118 and 121, tops, starboard side, looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 559 of 766 Pages

9713



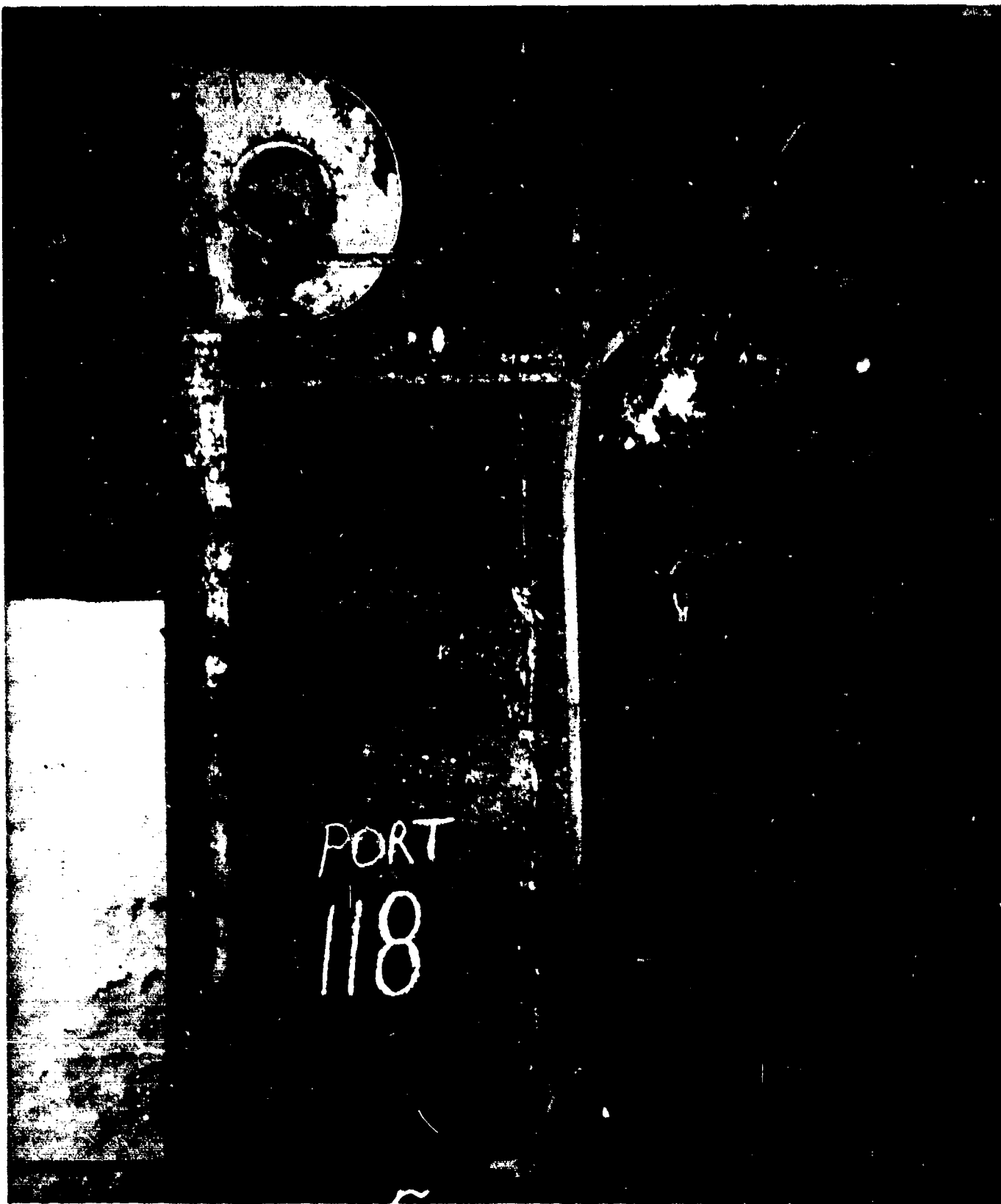
AA-CR-80-1675-6. After Baker. Flight deck columns 118-124, port side, looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 560 of 766 Pages

9713



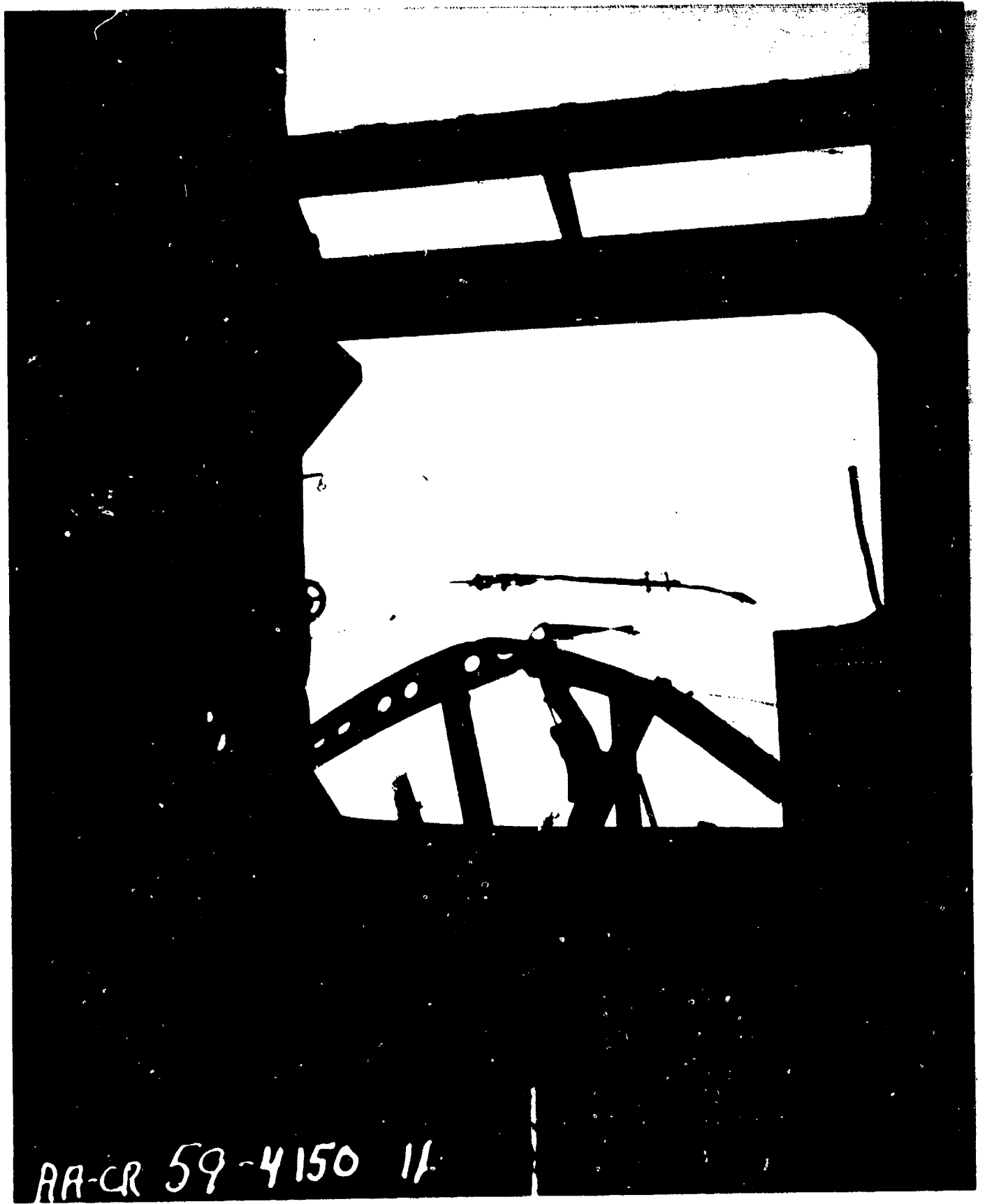
AA-CR-59-4150-5. Flight deck Bent 118, port side, upper corner, looking forward.

SECRET

USS INDEPENDENCE (CVL22)  
Page 561 of 766 Pages

9713





AA-CR-59-4150-11. Flight deck Bents 124 and 121, port side. Looking to port from elevator well. Note elevator guide rail on Bent 121.

SECRET

USS INDEPENDENCE (CVL22)  
Page 562 of 766 Pages

9713



AA-CR-59-2167-7. Hangar deck, looking to starboard and aft at damage to transverse bulkhead at frame No. 126.

SECRET

USS INDEPENDENCE (CVL22)

Page 563 of 766 Pages

9713



AA-CR-59-4148-4. Hangar deck, transverse bulkhead, frame 126, showing distortion and failure of welded seams. Looking aft and to starboard through elevator shaft from flight deck.

SECRET

USS INDEPENDENCE (CVL22)

Page 564 of 766 Pages

9713



AA-CR-175-2115-2. Hangar deck, transverse bulkhead, frame 126, showing bulge and failure of welded seams. Looking aft and to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 565 of 766 Pages

9713



AA-CR-175-2038-10. Bulkhead 126 from forward edge of after elevator opening in flight deck. Note effect of fire and low order torpedo detonation aft of bulkhead.

SECRET

USS INDEPENDENCE (CVL22)

Page 566 of 766 Pages

9713

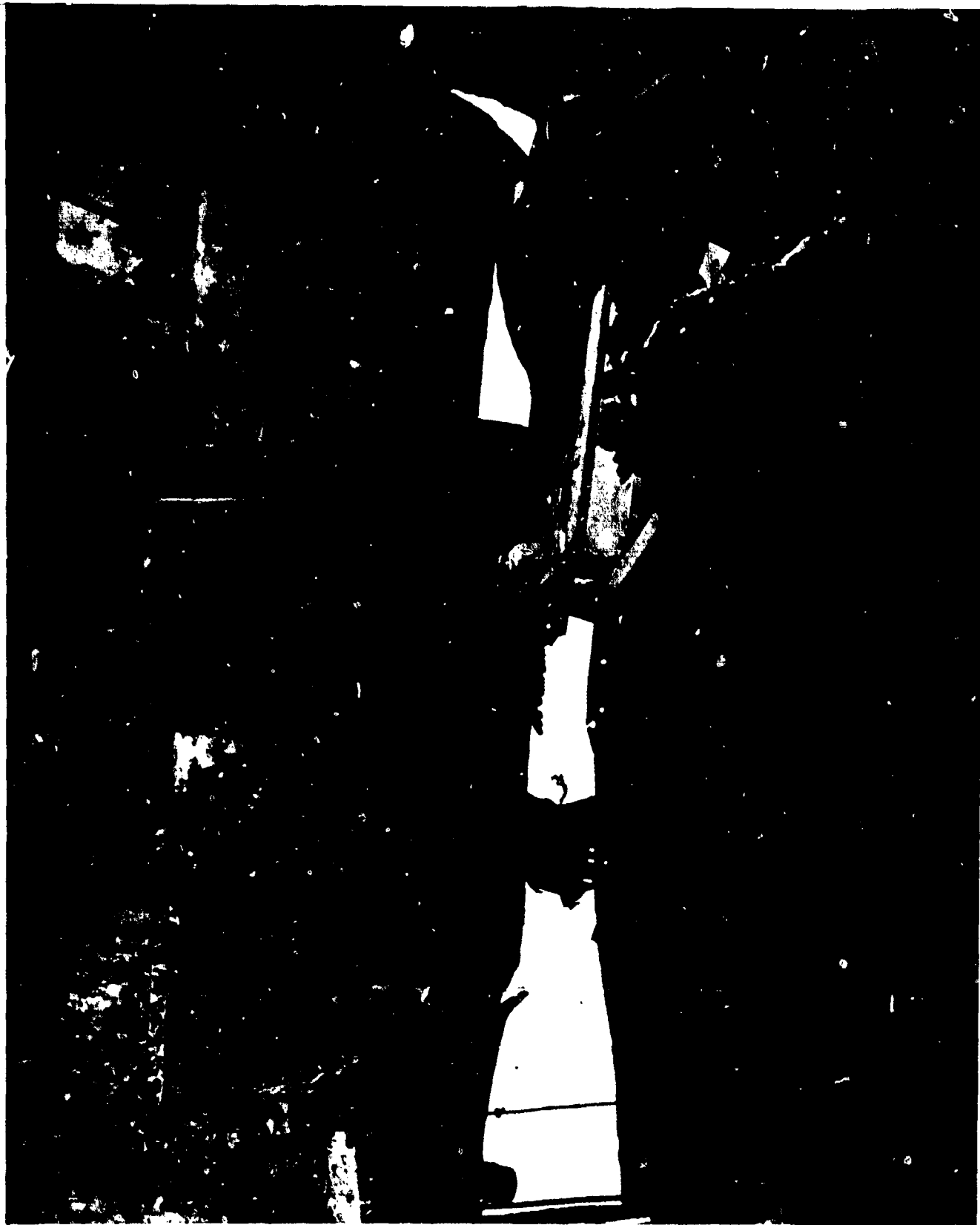


AA-CR-65-1736-8. Main deck, C-101-B. Looking starboard and forward at bulkhead 126, starboard side. Debris in torpedo stowage space.

SECRET

USS INDEPENDENCE (CVL22)  
Page 567 of 766 Pages

9713



AA-CR-175-2041-4. Main deck, C-101-B, opening in starboard shell, bulkheads 126-132 resulting from low order detonation of torpedos. (Accent on shell).

SECRET

Page 568 of 766 Pages

USS INDEPENDENCE (CVL22)

9713



AA-CR-175-2041-5. Main deck, C-101-B. Opening in starboard shell bulkhead 126-132 resulting from low order detonation of torpedoes. (Accent on debris.)

SECRET

USS INDEPENDENCE (CVL22)

Page 569 of 766 Pages

9713





AA-CR-175-2041-6. Main deck, C-101-B. Damage to overhead in torpedo stowage. Bulkheads 126-132, starboard side. Note torpedo hatch in center of photograph, through which debris and poop deck is visible.

SECRET

USS INDEPENDENCE (CVL22)

Page 570 of 766 Pages

9713



AA-CR-65-1736-9. Main deck, C-101-B, looking aft at bulkhead 132, starboard side, in torpedo stowage space.

SECRET

USS INDEPENDENCE (CVL22)  
Page 571 of 766 Pages

9713



AB-CR-66-151-3. After Baker. Main deck C-106-E, shipfitters shop. Looking forward and to port at failure of welded connection between bulkhead 132 and deck.

SECRET

USS INDEPENDENCE (CVL22)

Page 572 of 766 Pages

9713



AA-CR-59-2217-3. Main deck, C-106-E. General view between frames 132-138 from opening in port shell. Blast and fire damage in shipfitters shop.

SECRET

USS INDEPENDENCE (CVL22)

Page 573 of 766 Pages

9713



AA-CR-175-2041-7. Main deck, shipfitters and sheet metal shop, C-106-E, showing fire and blast damage to equipment and transverse bulkhead at frame 138. Looking aft. Note failure of welded connection between bulkhead and deck.

SECRET

USS INDEPENDENCE (CVL22)

Page 574 of 766 Pages

9713



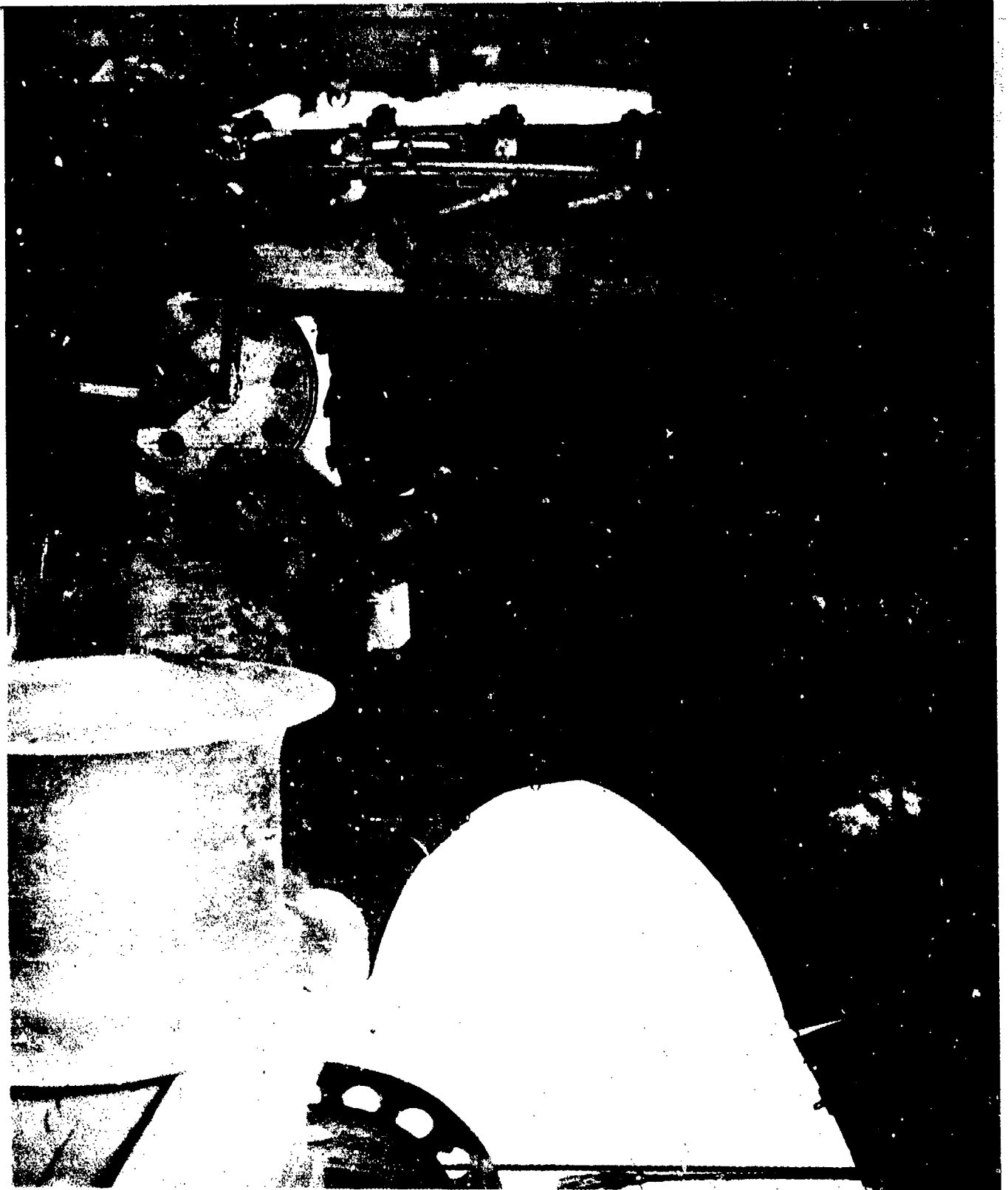
AB-CR-66-146-8. After Baker. Main deck, starboard side, frames 144 to 146, showing failure of welded connection between upper end of stiffeners and overhead poop deck structure; and, failure of welded joint between bulkhead 144 and side plating. Looking outboard and forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 575 of 766 Pages

9713



AA-CR-93-1999-6. Main deck, port side fashion plate, frame 146, looking to port from centerline.

SECRET

USS INDEPENDENCE (CVL22)  
Page 576 of 766 Pages

9713



AA-CR-93-1999-5. Main deck, port side fashion plate, frame 147, looking to port from centerline.

SECRET

USS INDEPENDENCE (CVL22)  
Page 577 Of 766 Pages

9713





AB-CR-66-146-9. After Baker. Main decks. Distortion of overhead poop deck longitudinals and weld failures at junction of longitudinals and transverse bulkhead 144. Looking inboard and forward from starboard side.

SECRET

USS INDEPENDENCE (CVL22)

Page 578 of 766 Pages

9713



AA-CR-175-2041-9. Looking forward at port side of stern structure above main deck. Note H-beam stanchion and bracket torn loose.

SECRET

USS INDEPENDENCE (CVL22)

Page 579 of 766 Pages

9713



AA-CR-175-2041-8. Flight deck, port after corner as seen from main deck level. Note tear in flight deck plating, and failure of deck longitudinals at welded connections to bulkheads 147-148.

SECRET

USS INDEPENDENCE (CVL22)

Page 580 of 766 Pages

9713



AB-CR-66-146-12. After Baker. Main deck, starboard side. Failure of welds at overhead connection between bracket, overhead and stanchion at frame148. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 581 of 766 Pages

9713



AB-CR-66-146-10. After Baker. Main deck, frame 147 to the after perpendicular. Blast damage to port bulkhead of ammunition handling room and failure of bounding weld at deck. Looking inboard and aft.

SECRET

Page 582 of 766 Pages

USS INDEPENDENCE(CVL22)

9713



AA-CR-175-2041-12. After edge of flight deck, in way of centerline.  
Viewed from starboard side.

SECRET

USS INDEPENDENCE (CVL22)  
Page 583 of 766 Pages

9713



AA-CR-175-2041-10. Looking forward at starboard side of stern structure above main deck. Note H-beam stanchion torn loose at welded connection (lower left).

SECRET

USS INDEPENDENCE (CVL22)

Page 584 of 766 Pages

9713



AA-CR-175-2041-11. Main deck, looking forward from 40mm gun sponson starboard side. Note stanchion broken loose at welded overhead connection.

SECRET

USS INDEPENDENCE (CVL22)

Page 585 of 766 Pages

9713





AB-CR-66-151-2. After Baker, Main deck, starboard side, frames 144 to 148, showing failure of welded connection between stanchion and overhead. Looking forward and upward.

SECRET

USS INDEPENDENCE (CVL22)  
Page 586 of 766 Pages

9713



AA-CR-88-2100-11. Second deck, A-210-L. Looking aft and to starboard at port side of bulkhead 49.

SECRET

USS INDEPENDENCE (CVL22)  
Page 587 of 766 Pages

9713



AA-CR-59-2087-11. Second deck, A-210-L. Looking aft at port side of bulkhead 49.

SECRET

USS INDEPENDENCE (CVL22)

Page 588 of 766 Pages

9713



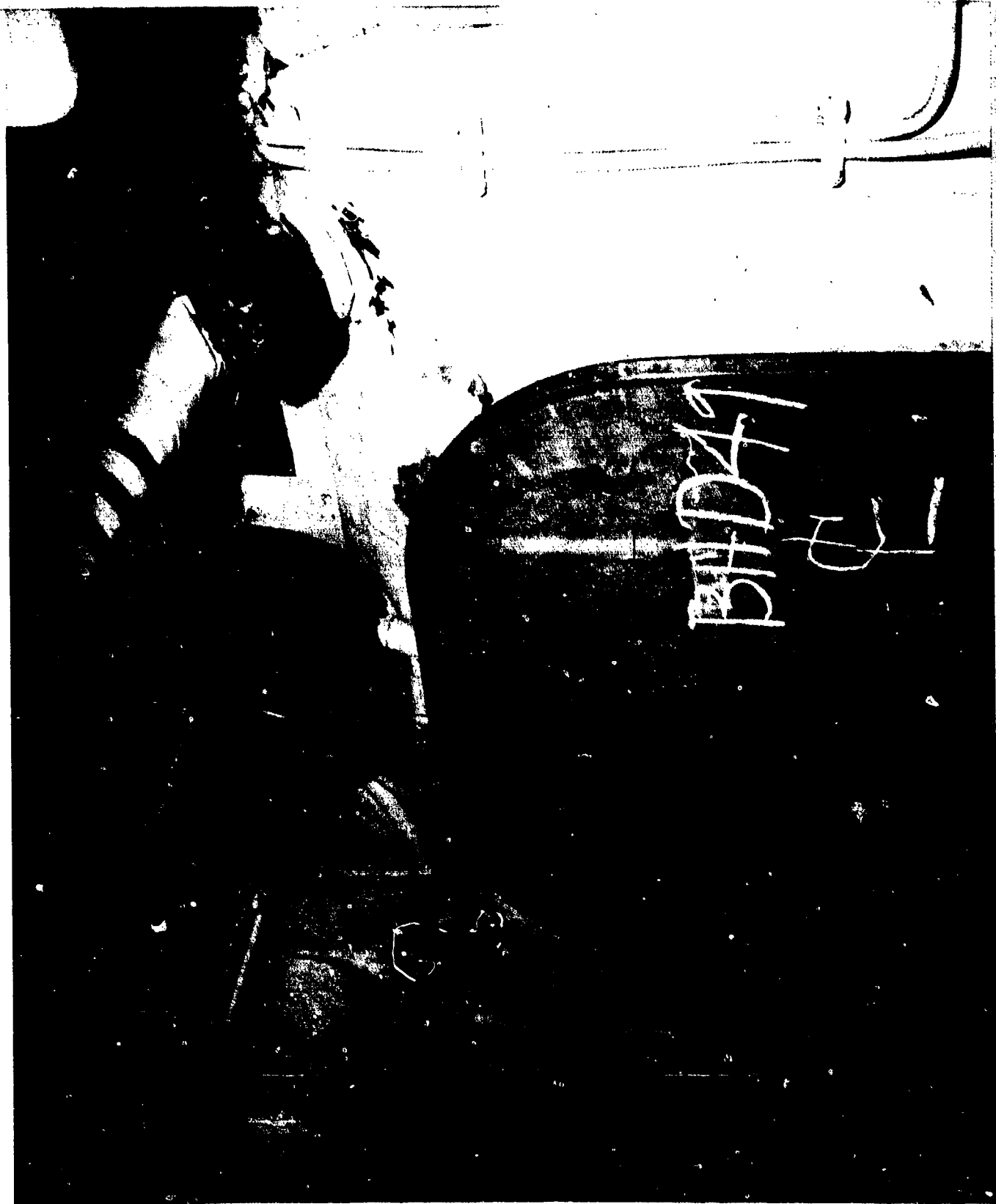
AA-CR-59-2087-8. Second deck, A-210-L. Failure of bulkhead 49, starboard side looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 589 of 766 Pages

9713



AA-CR-88-2100-12. Second deck, A-210-L. Looking aft and to starboard at W.T. door in bulkhead 49.

SECRET

USS INDEPENDENCE (CVL22)

Page 590 of 766 Pages

9713



AA-CR-59-2087-9. Second deck, A-211-L. Buckling of bulkhead 49 just to starboard of centerline. Looking forward and to port.

SECRET

USS INDEPENDENCE (CVL22)  
Page 591 of 766 Pages

9713

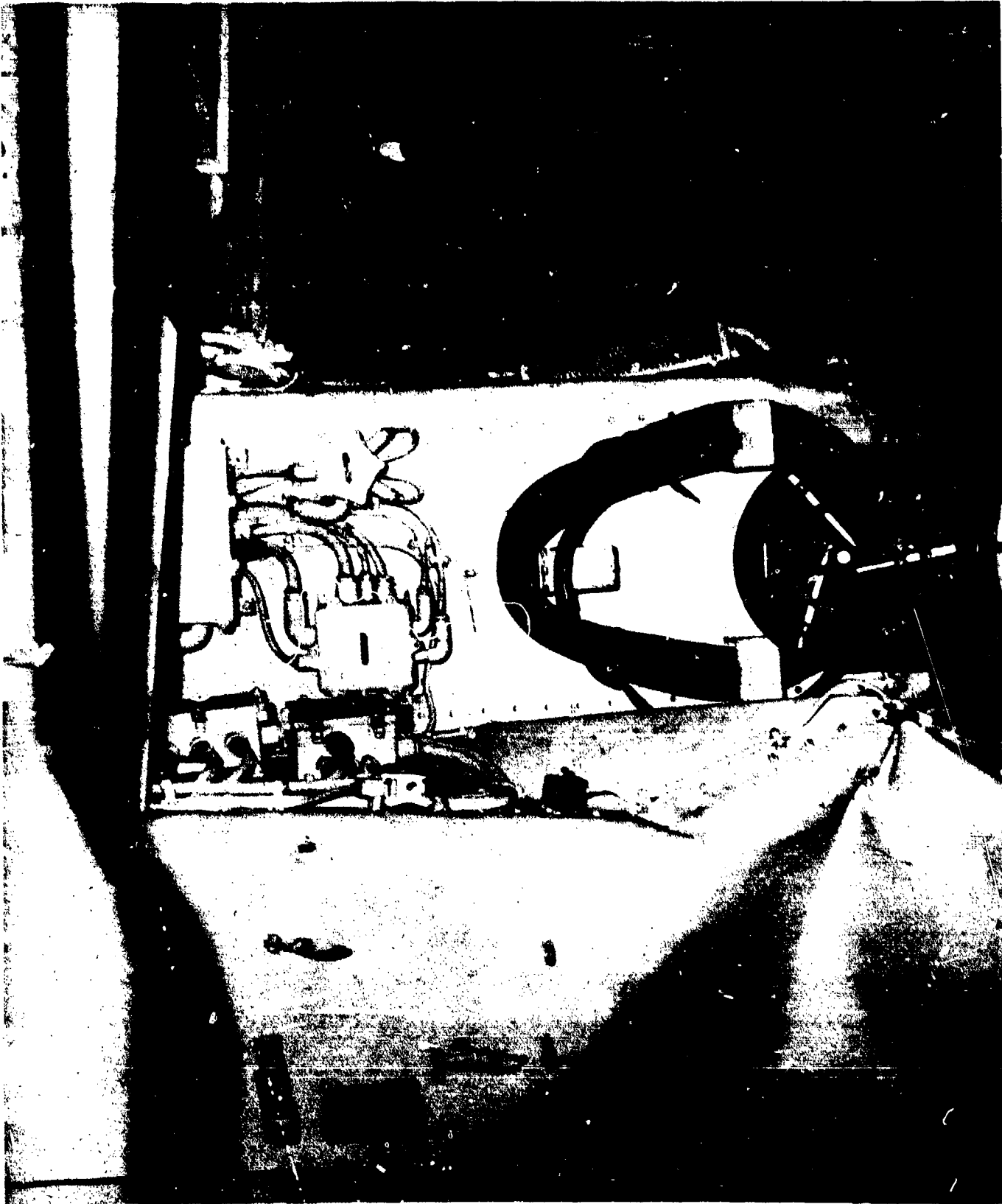


AA-CR-59-2087-12. Second deck, supply office, looking forward at port side of bulkhead 49, for opposite side, see 2087-11.

SECRET

USS INDEPENDENCE (CVL22)  
Page 592 of 766 Pages

9713



AA-CR-59-2087-10. Second deck, A-211-L. Failure of repair party locker and metal joiner bulkhead, frames 53 and 54, port side looking aft.

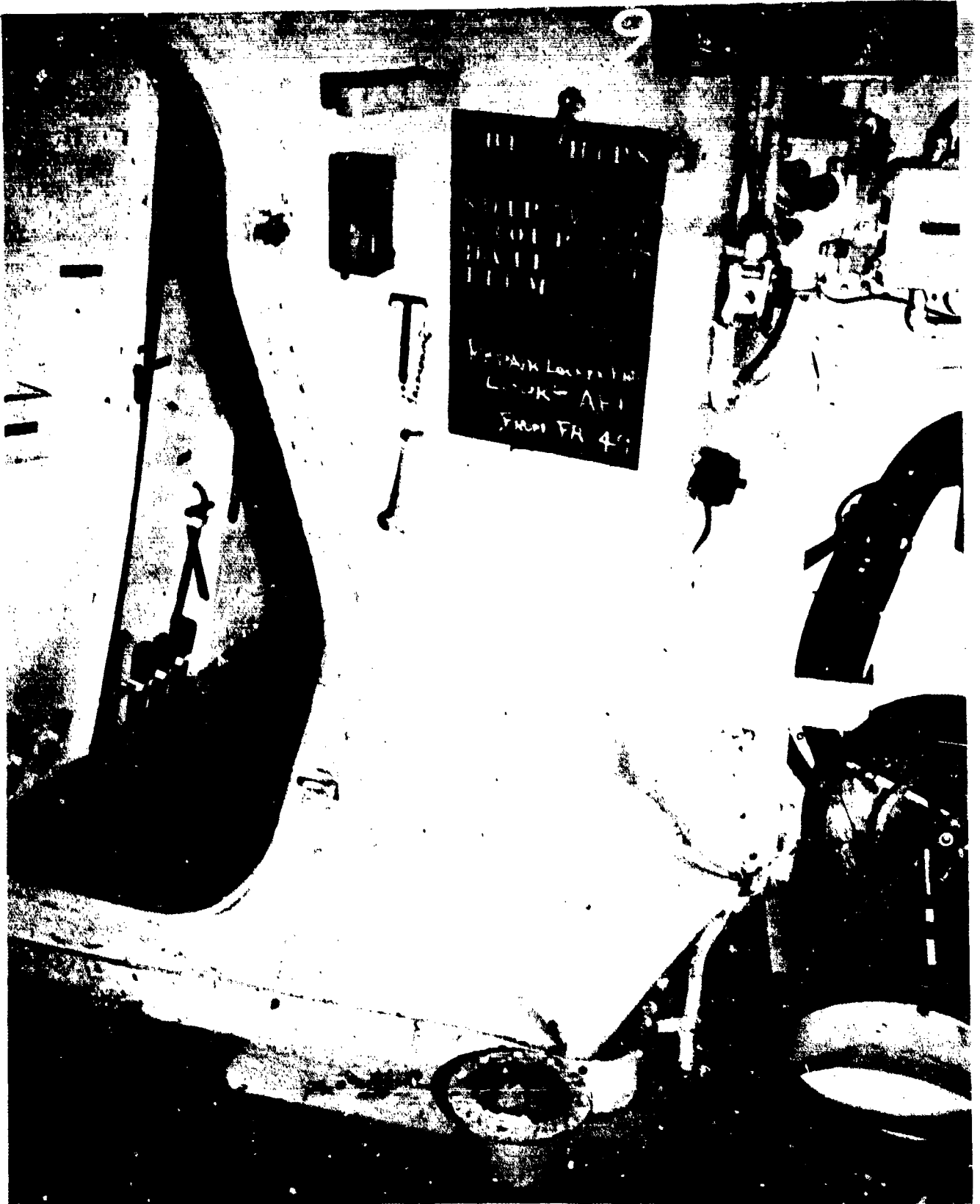
SECRET

USS INDEPENDENCE (CVL22)

Page 593 of 766 Pages

9713





AA-CR-175-2133-6. Second deck, A-211-L. Looking aft from bulkhead 49 at repair party locker, frame 53, starboard side.

SECRET

USS INDEPENDENCE (CVL22)

Page 594 of 766 Pages

9713



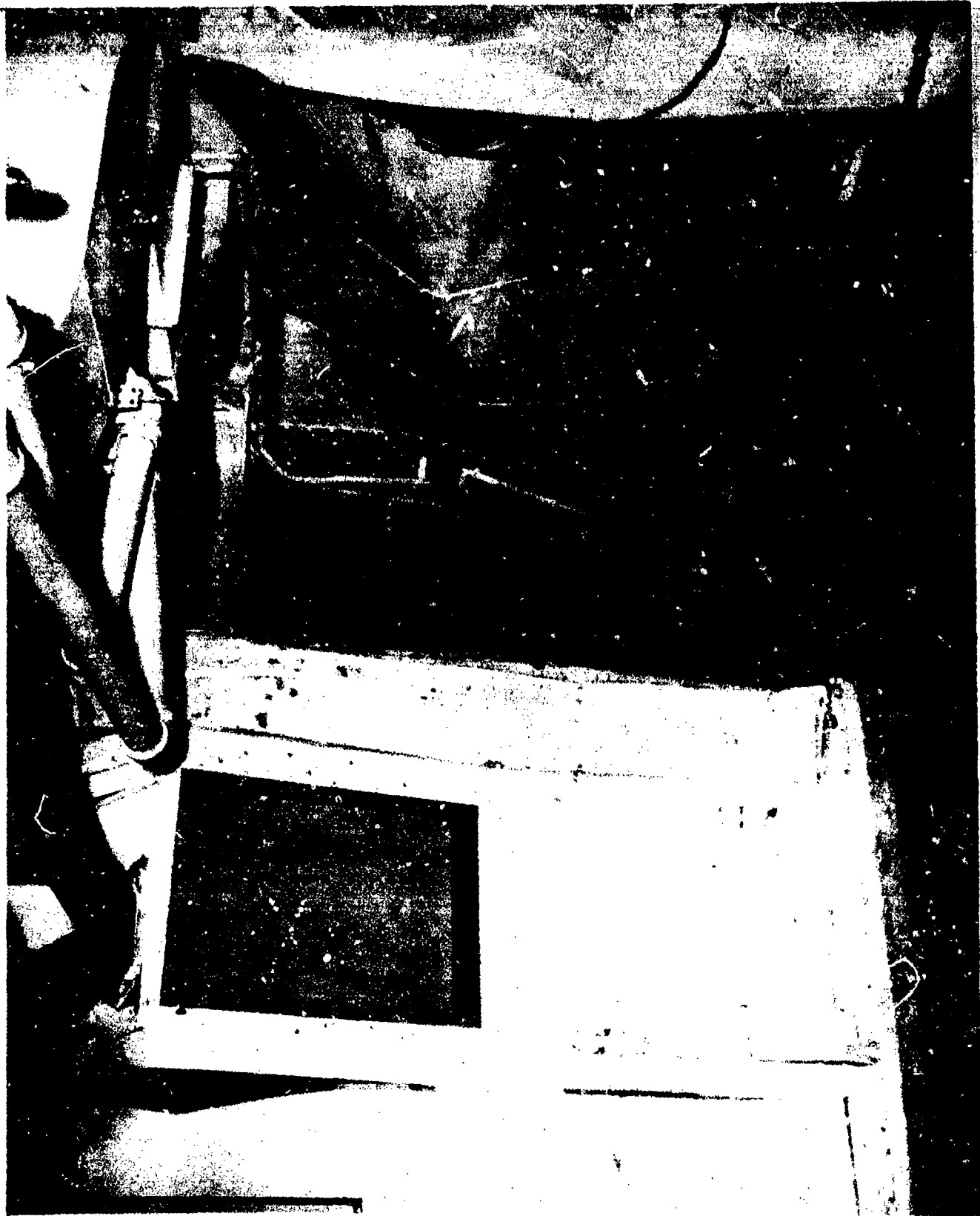
AA-CR-66-146-1. After Baker. Second deck, A-211-L. Looking aft from frame 49 at repair party locker, frame 51. No perceptible increase over Test A damage. For condition prior to Test B see 2133-6.

SECRET

USS INDEPENDENCE (CVL22)

Page 595 of 766 Pages

9713



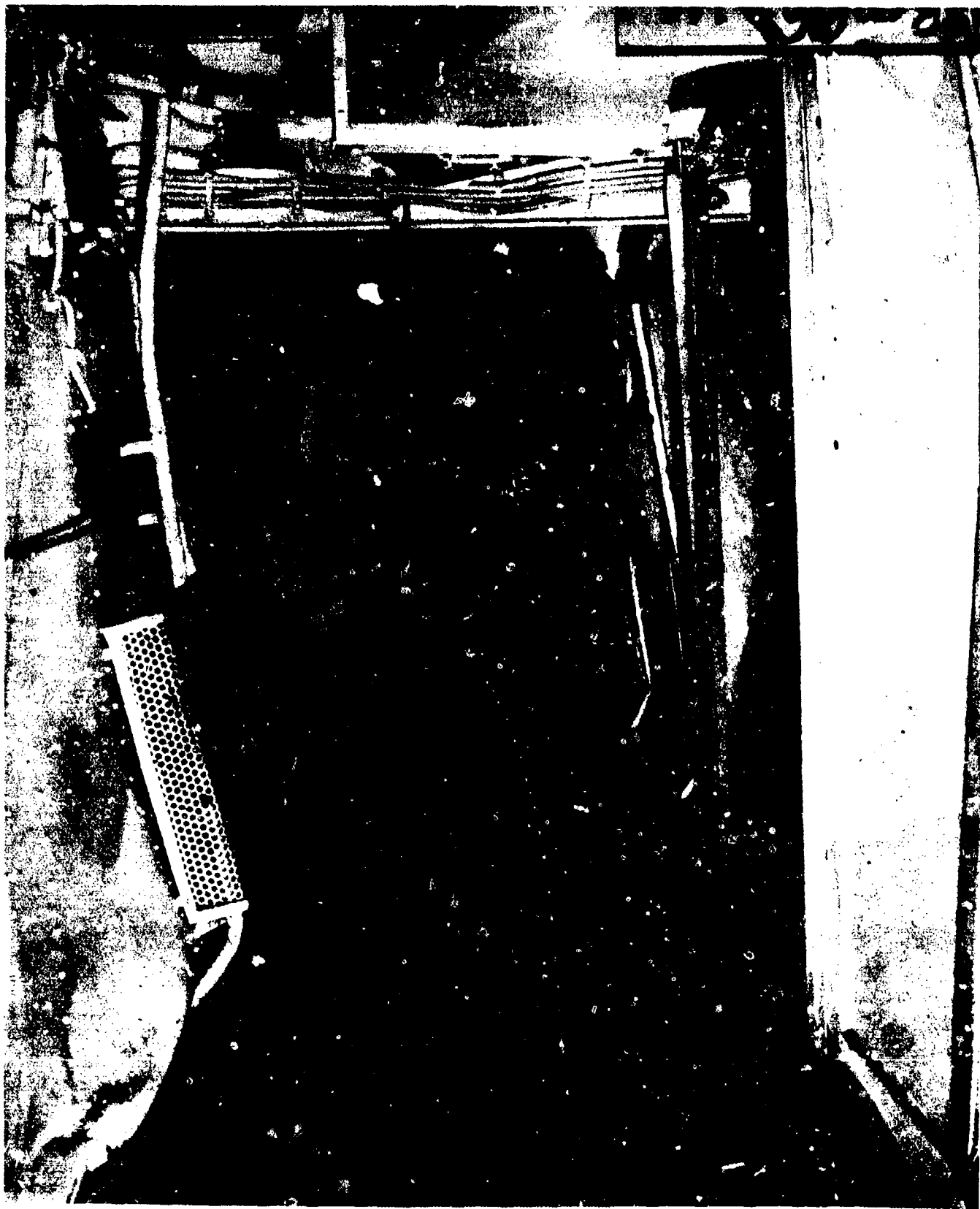
AA-CR-175-2133-7. Second deck. A-211-L. Passage port of center-line, looking forward from frame 57.

SECRET

USS INDEPENDENCE (CVL-22)

Page 596 of 766 Pages

9713



AA-CR-66-146-3. After Baker. Second deck. A-211-L. Looking aft from frame 49 along port side passage toward frame 57. No perceptible increase over Test A damage.

SECRET

USS INDEPENDENCE (CVL22)

Page 597 of 766 Pages

9713



AA-CR-59-2088-1. Second deck, A-211-L. Supply office looking aft. Detail view of transverse beam 53, port side.

SECRET

USS INDEPENDENCE (CVL22)

Page 598 of 766 Pages

9713



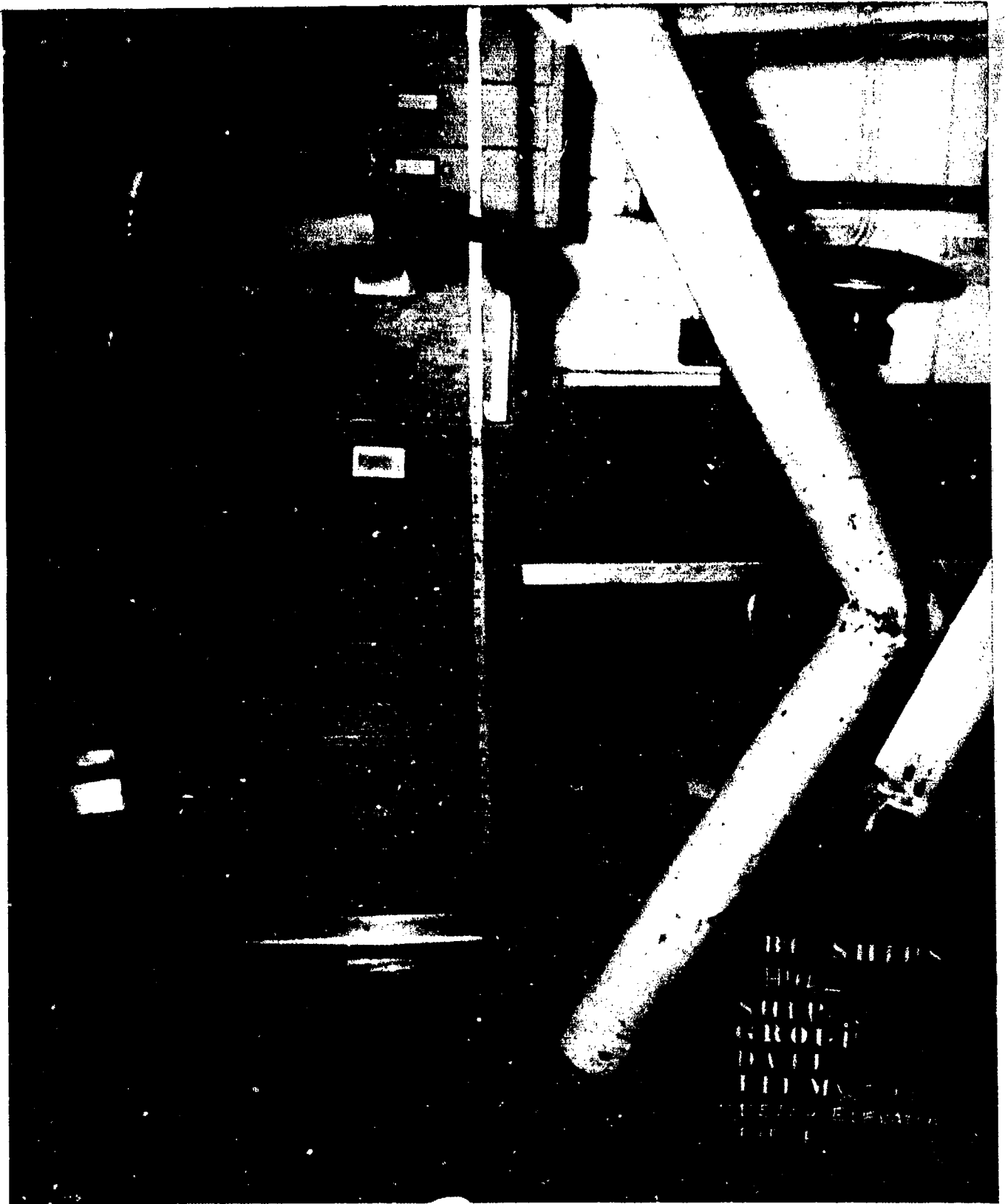
AA-CR-88-2100-10. Second deck, A-211-L. Supply office, view looking aft at main deck beam 53, port side.

SECRET

USS INDEPENDENCE (CVL22)

Page 599 of 766 Pages

9713



AA-CR-88-2100-9. Second deck, supply office, A-211-1, showing depression of overhead below forward elevator pit, buckled quarter span stanchion, frame 53, and weld failures between stanchion overhead and deck. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 600 of 766 Pages

9713



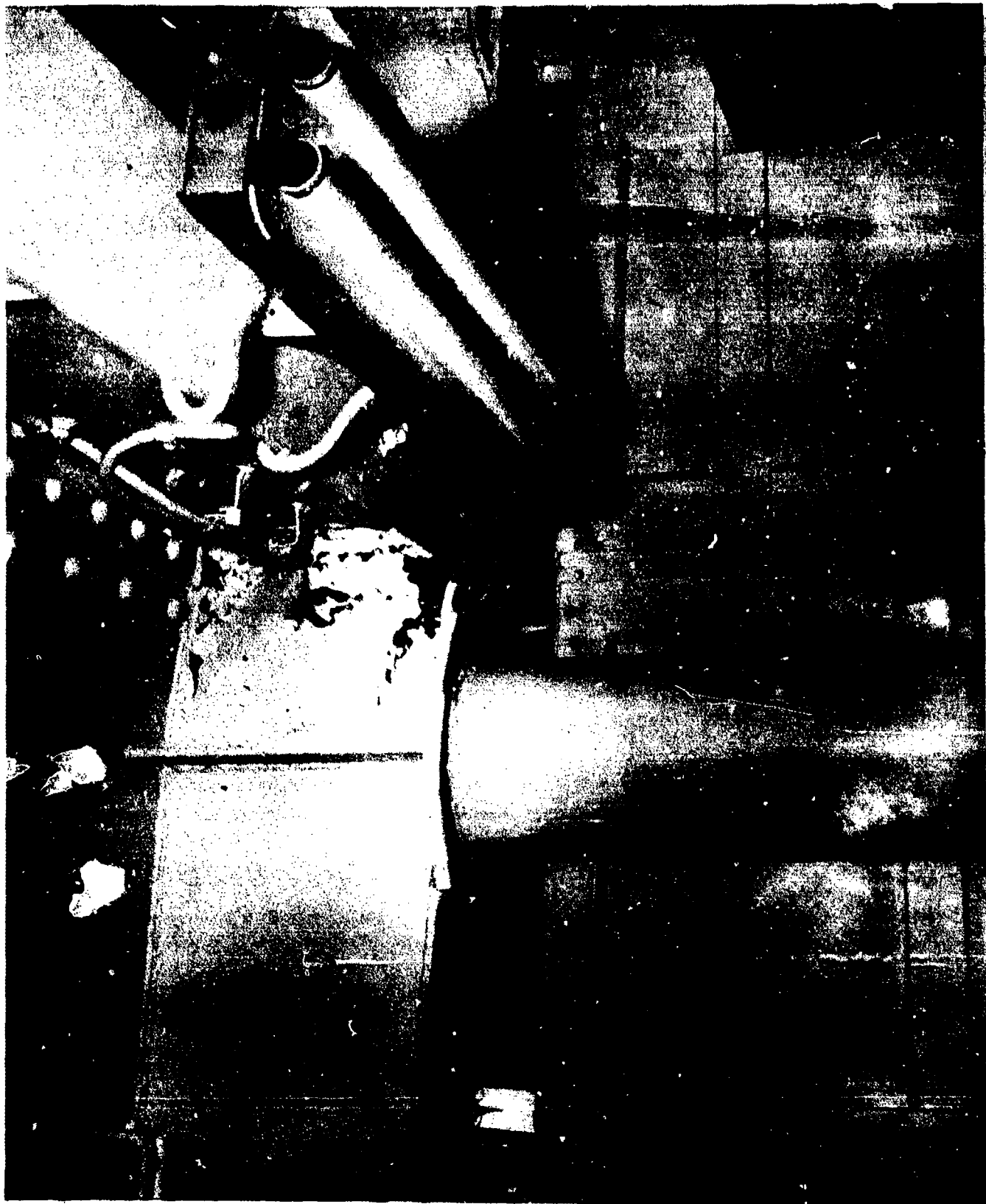
AA-CR-175-2133-5. Second deck. A-211-L. Passage on starboard side, -  
looking forward from frame 57.

SECRET

USS INDEPENDENCE (CVL22)  
Page 601 of 766 Pages

9713





AA-CR-59-2088-2. Second deck, B-201-1L. Looking at stanchion, frame 61, midway between centerline and port shel.. Note lack of vertical alignment between stanchion and longitudinal.

SECRET

USS INDEPENDENCE (CVL22)

Page 602 of 766 Pages

9713

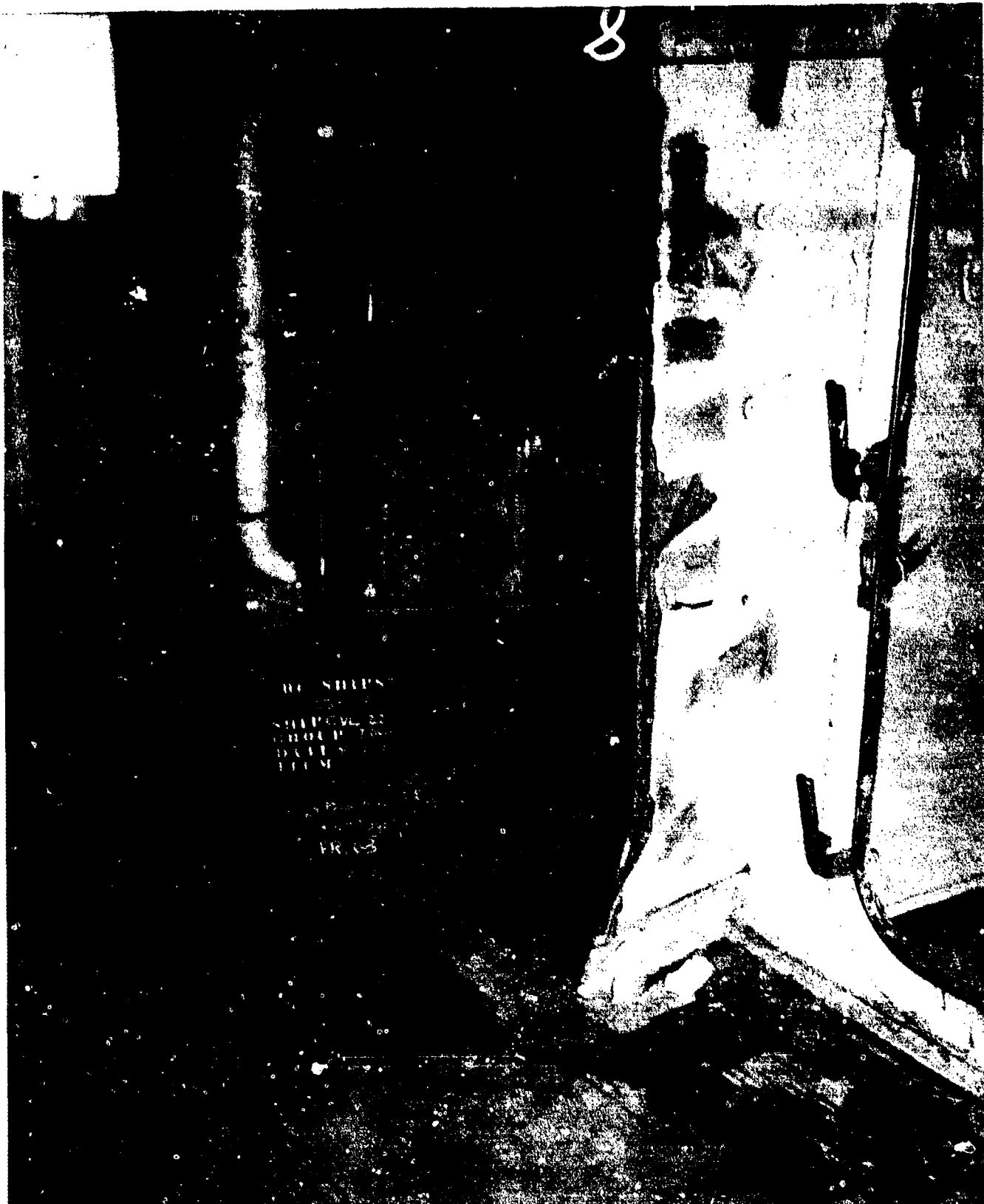


AA-CR-65-1735-10. Second deck, B-201-1L. Buckling of ventilation intake port side, frame 63, looking forward.

SECRET

USS INDEPENDENCE (CVL22)  
Page 603 of 766 Pages

9713



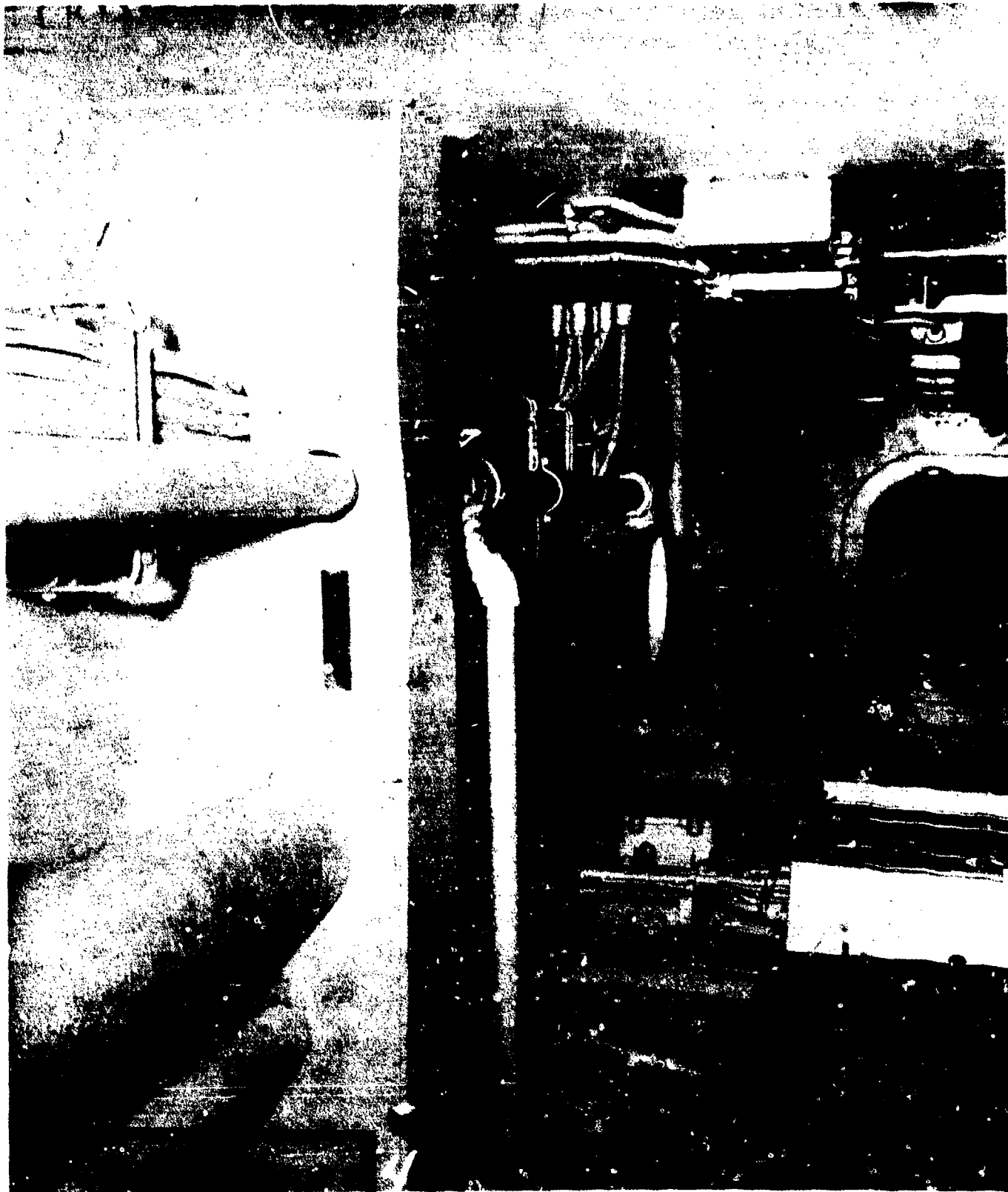
AA-CR-175-2133-8. Second deck, B-201-1L, port side passageway, showing blast damage to arc welded vertical ventilation duct. Frame 63, looking inboard and forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 604 of 766 Pages

9713



AA-CR-59-2088-4. Second deck, port passage, looking forward from frame 74. Note number of cuts through web of beam which tended to weaken it.

SECRET

USS INDEPENDENCE (CVL22)

Page 605 of 766 Pages

9713



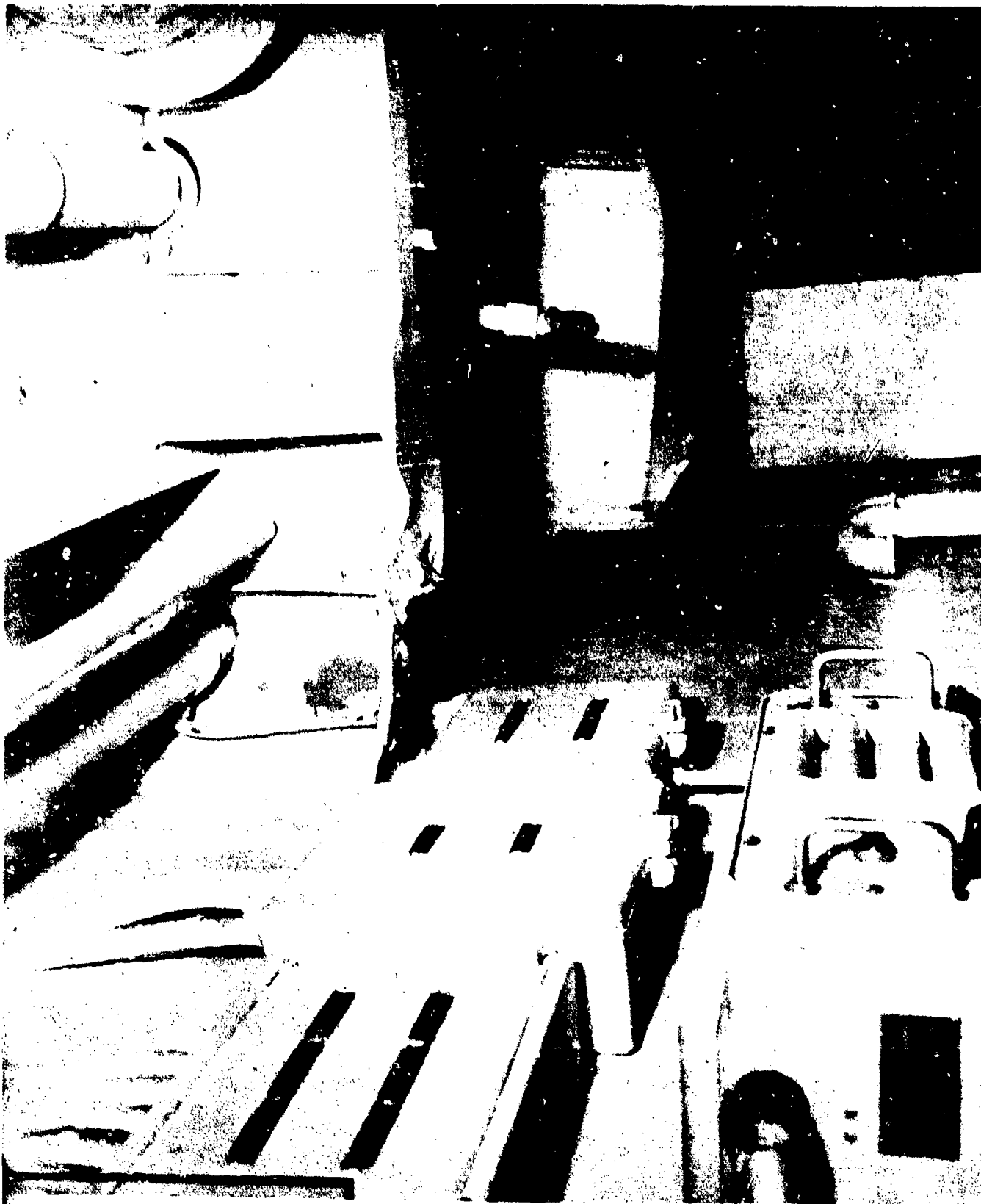
AA-CR-175-2133-10. Second deck, B-203-L. Blast damage to arc welded ventilation duct in mess attendants berthing space on port side at frame 83. Looking inboard and aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 606 of 766 Pages

9713



AA-CR-59-2088-6. Second deck, B-203-L, port side passage, looking aft, showing failure of transverse main deck beam 88. Shear failure in beam is possible result of access hole for pipes. Fore and aft bulkhead not buckled.

SECRET

USS INDEPENDENCE (CVL22)

Page 607 of 766 Pages

9713

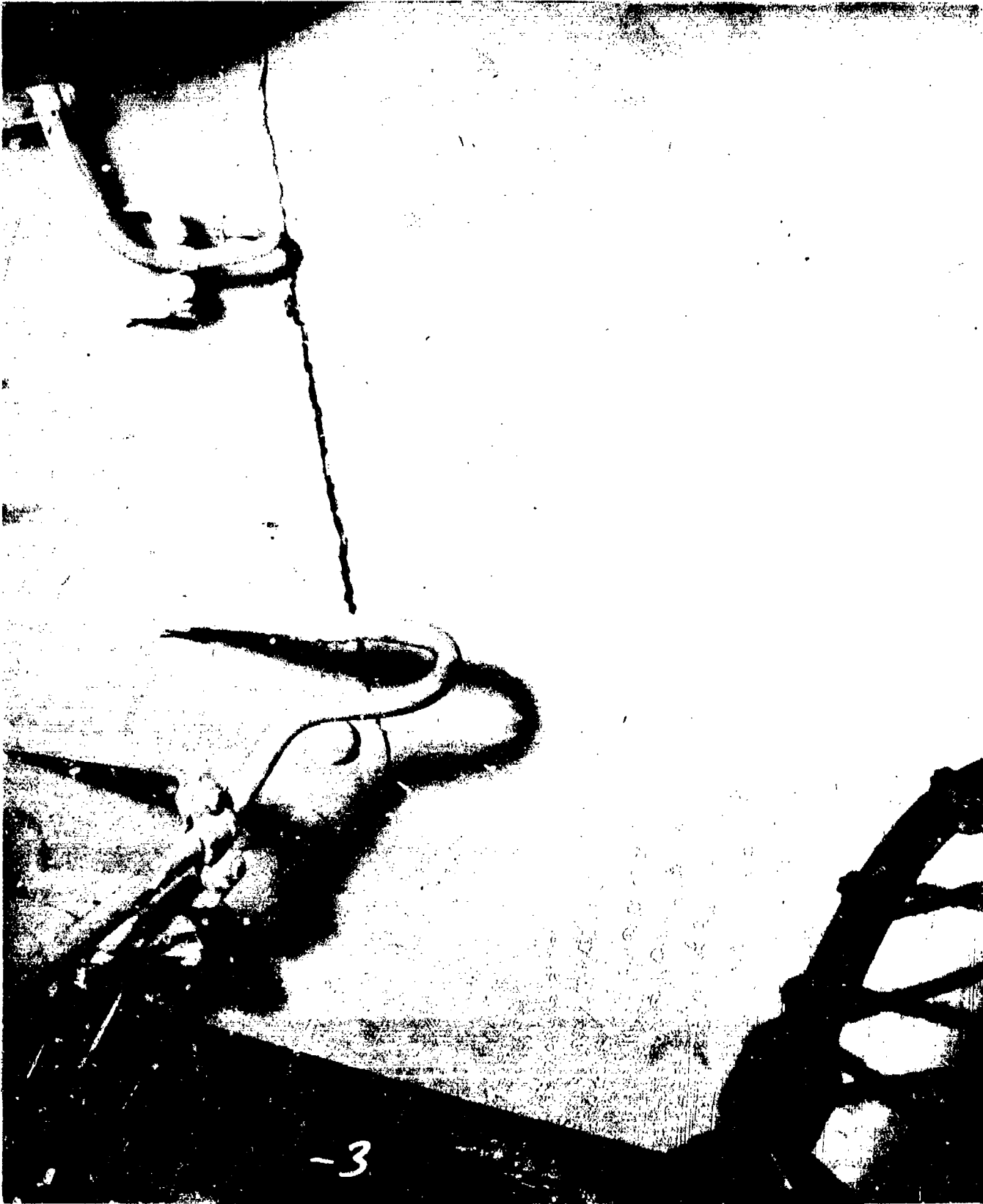


AA-CR-59-2164-2. Second deck, B-203L. Failure of arc welded connection between port web frame 89 and S.T.S. stringer strake. Looking aft and outboard.

SECRET

USS INDEPENDENCE (CVL22)  
Page 608 of 766 Pages

9713



AA-CR-59-2164-3. Second deck, B-203-L. Failure of arc welded connection between port web frame 89 and S.T.S. stringer strake. Looking forward and outboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 609 of 766 Pages

9713





AA-CR-59-2088-7. Second deck, B-203-L. Failure of arc welded connection between port web frame 89, and S.T.S. stringer strake. Looking aft and outboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 610 of 766 Pages

9713



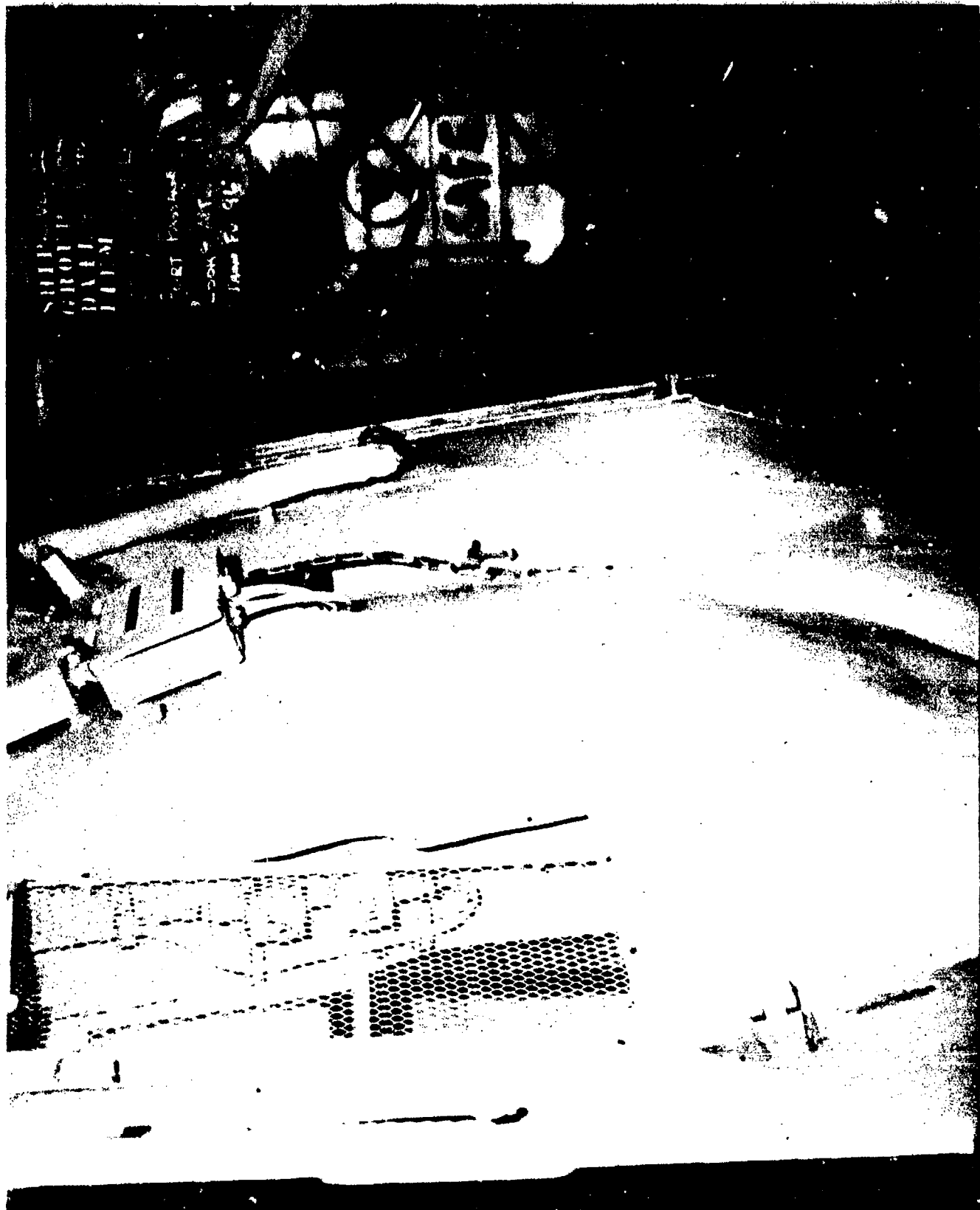
AA-CR-175-2133-9. Second deck, B-203-L. Port side passage, looking aft at bulkhead 91. Note W.T. door.

SECRET

USS INDEPENDENCE (CVL22)

Page 611 of 766 Pages

9713



AA-CR-175-2132-11. Second deck, B-204-1L, crews galley, port side passageway, inboard riveted metal joiner bulkhead showing bulging of panels caused by depression of main deck structure overhead. Frames 93 to 98, looking inboard and aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 612 of 766 Pages

9713



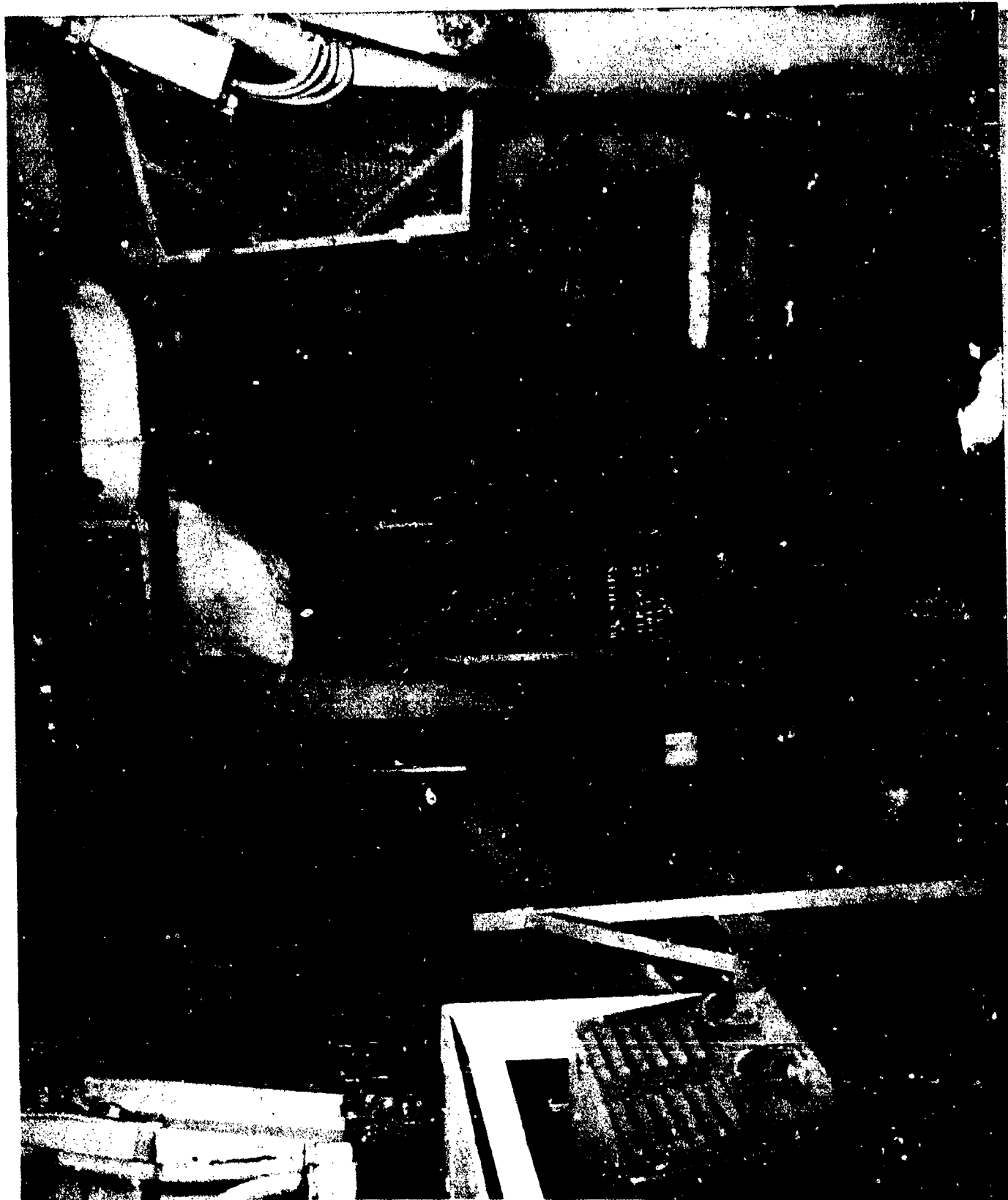
AA-CR-175-2132-12. Second deck, B-204-1L. Crews galley, port side passageway, inboard joiner bulkhead showing bulging of panels caused by depression of overhead main deck structure, and bulging of spotwelded inboard vertical ventilation duct caused by air blast. Frames 92 to 101, looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 613 of 766 Pages

9713



AA-CR-175-2133-1. Second deck, B-204-1L. Port side passageway, showing metal joiner bulkheads buckled by downward movement of main deck and ventilation ducts bulged by air blast. Frames 93 to 101, looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 614 of 766 Pages

9713



AA-CR-175-2133-3. Second deck, B-204-1L. Starboard passageway, showing provision issue room riveted joiner bulkheads buckled by depression of the main deck structure overhead. Looking forward and outboard. Frames 95 to 91.

SECRET

USS INDEPENDENCE (CVL22)

Page 615 of 766 Pages

9713

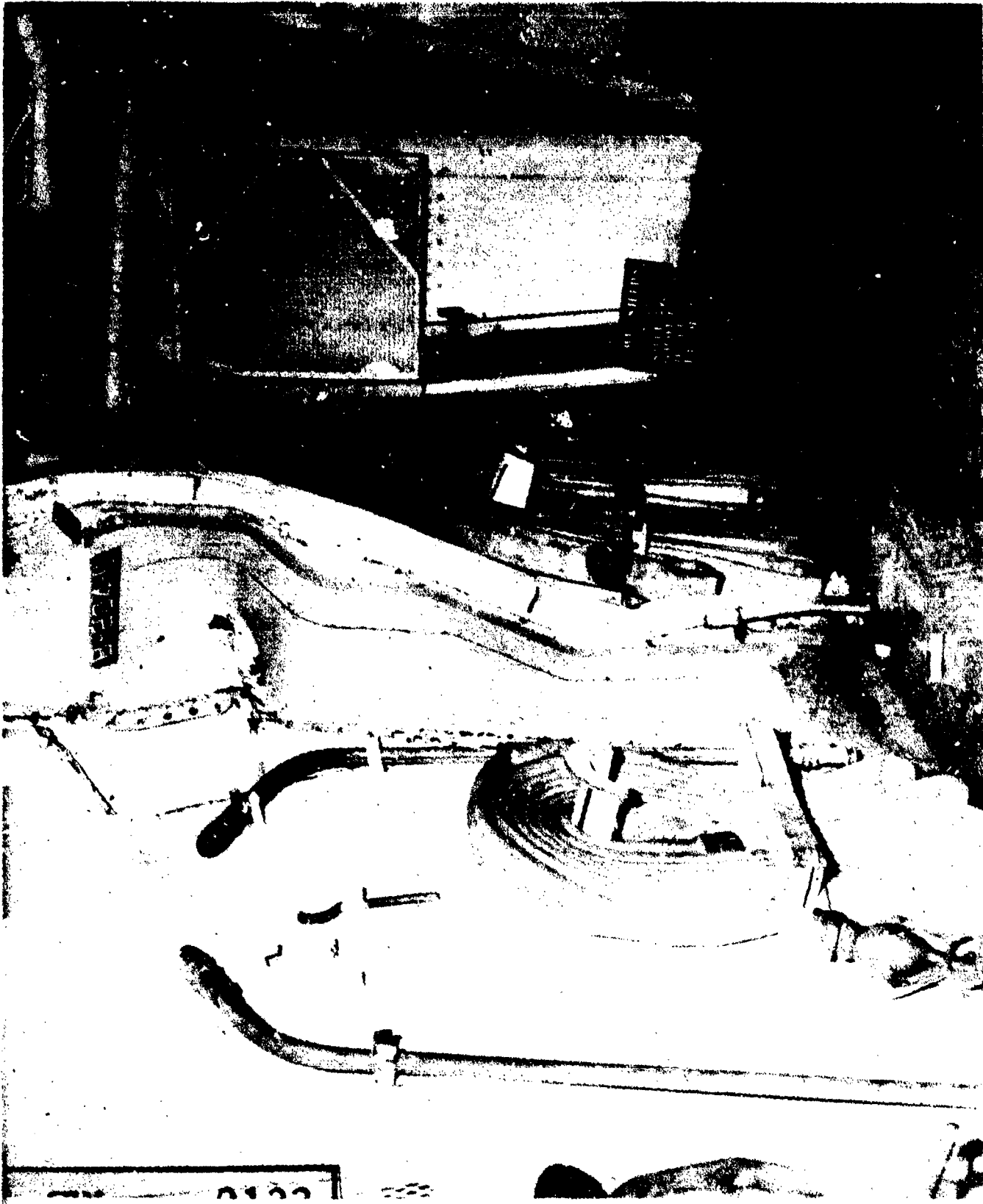


AA-CR-175-2133-4. Second deck, crews galley, frame 97, looking to starboard from centerline at dumb waite, trunk and oven.

SECRET

USS INDEPENDENCE (CVL22)  
Page 616 of 766 Pages

9713



AA-CR-175-2133-2. Second deck, B-204-1L. Starboard passageway, showing buckling of metal joiner bulkheads and ventilation trunk in galley caused by the depression of the main deck structure. Looking inboard and forward.

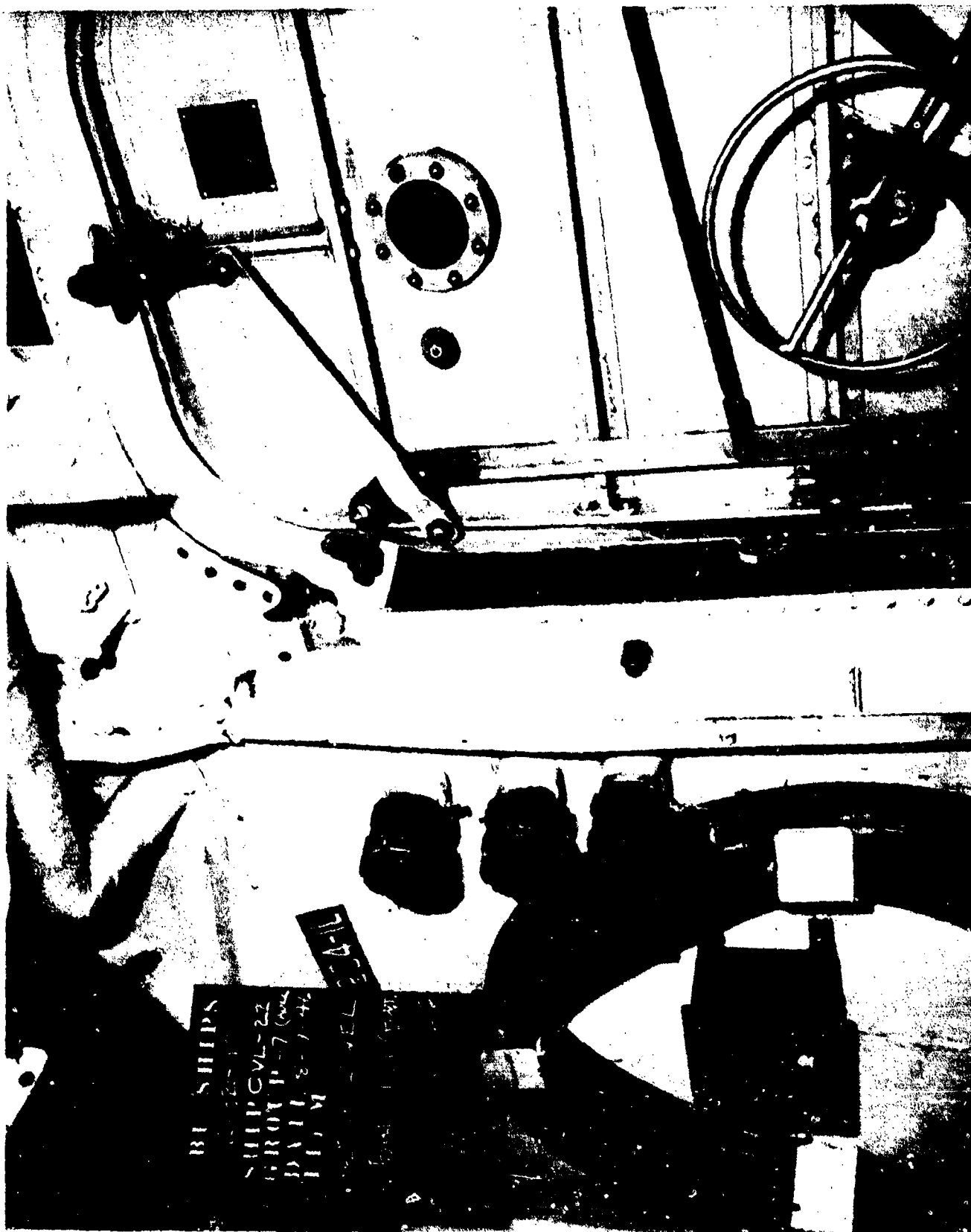
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USS INDEPENDENCE (CVL22)

Page 617 of 766 Pages

9713



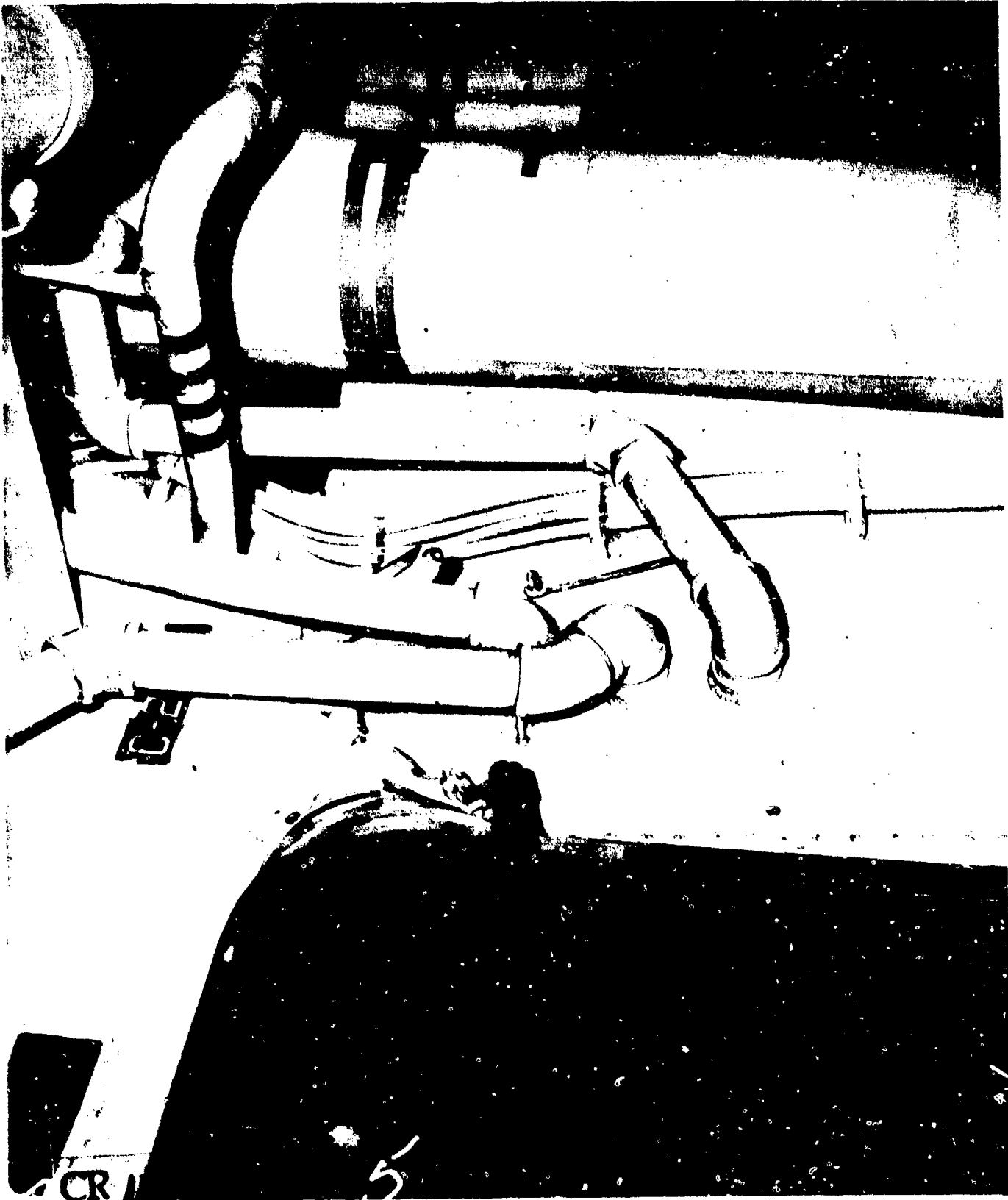


AA-CR-175-2132-10. Second deck, looking aft on port side at W.T. door in bulkhead 101. Note condition of bulkhead for opposite side, see 2115-5.

SECRET

USS INDEPENDENCE (CVL22)  
Page 618 of 766 Pages

9713



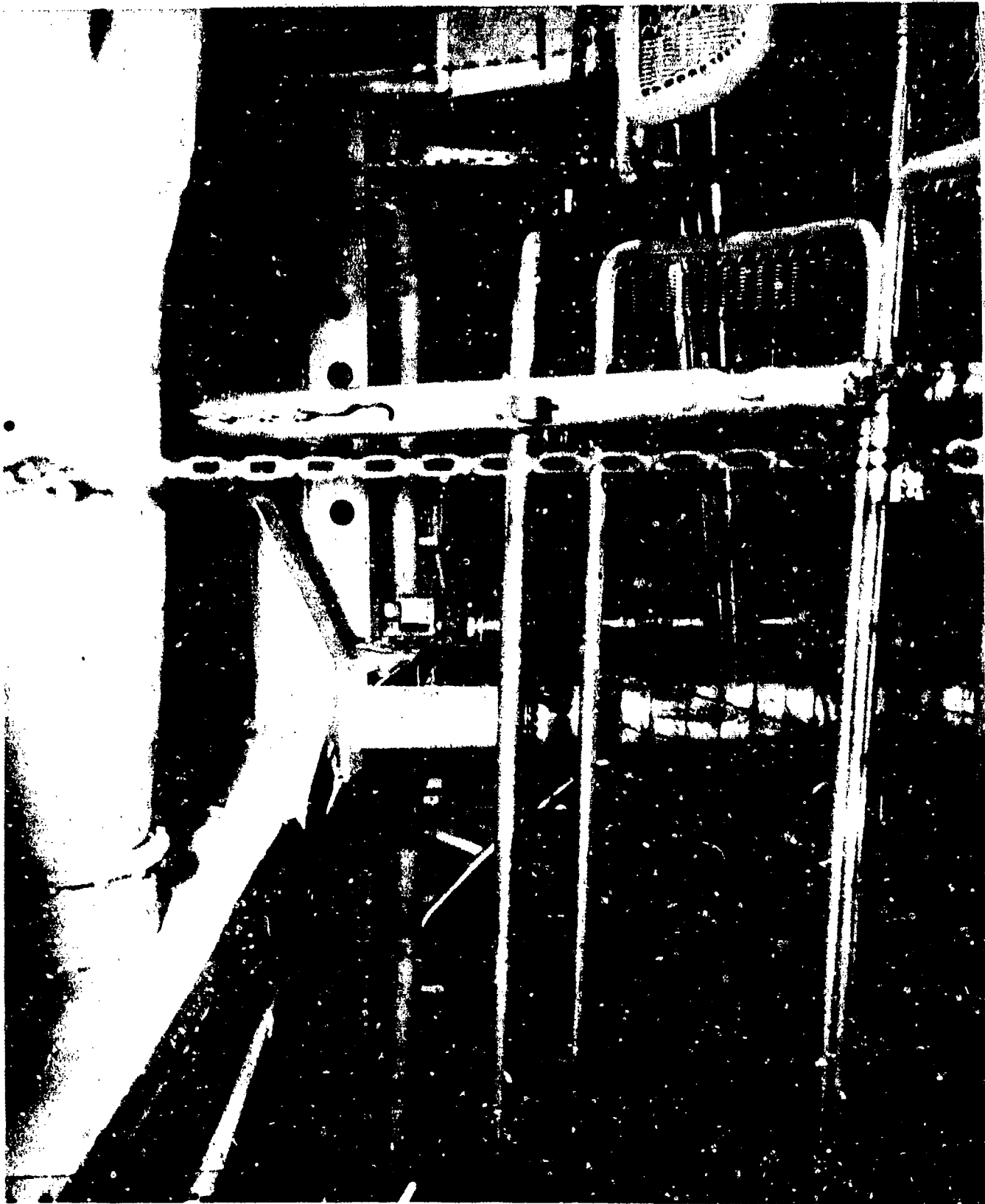
AA-CR-175-2115-5. Second deck, C-201-L. Looking forward on port side at W.T. door and bulkhead 101. Note buckle across top of door. For opposite side, see 2132-10.

SECRET

USS INDEPENDENCE (CVL22)

Page 619 of 766 Pages

9713



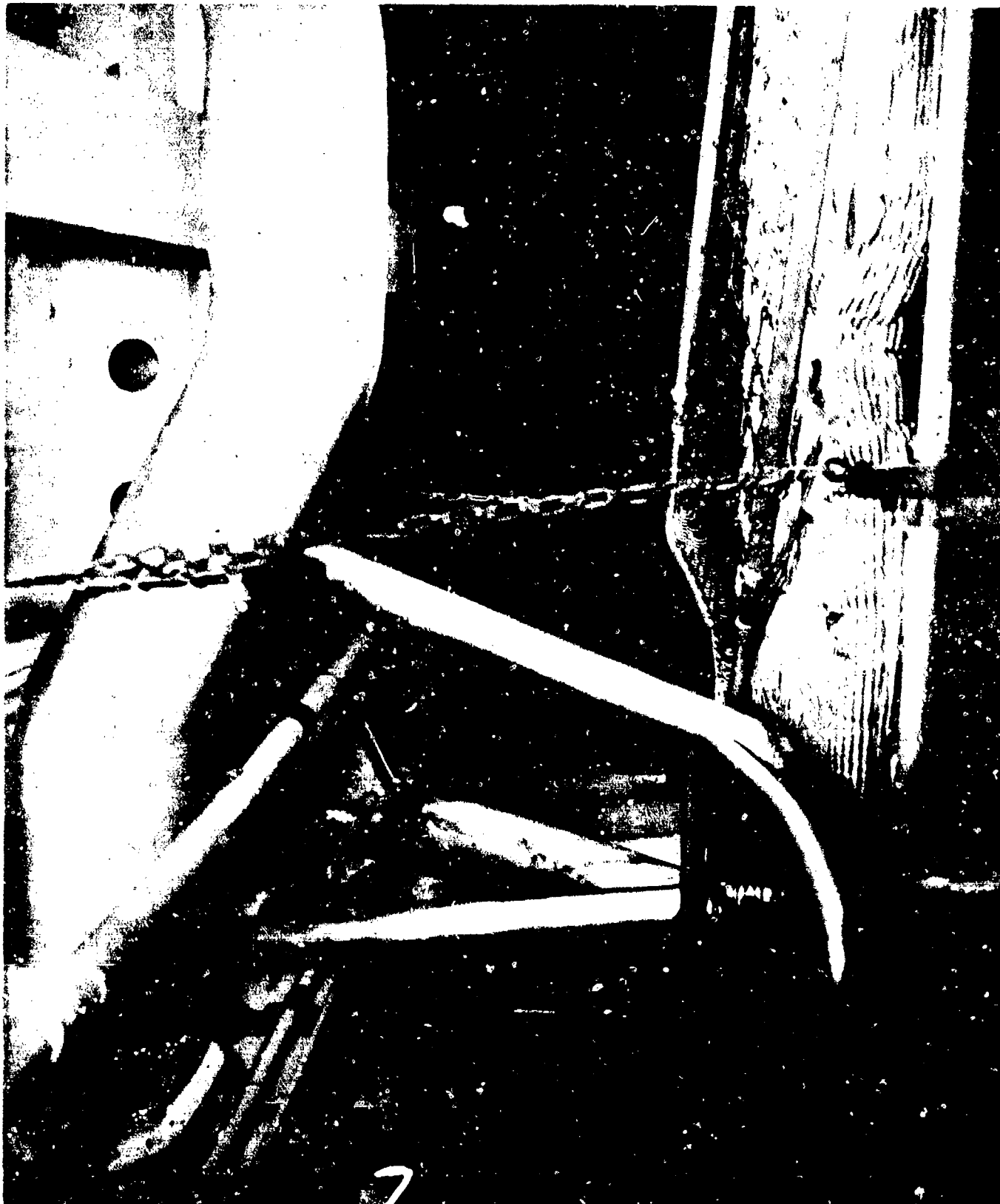
AA-CR-175-2115-6. Second deck. C-201-L, crews berthing, showing buckled transverse main deck beam at frame 103. Looking forward and to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 620 of 766 Pages

9713



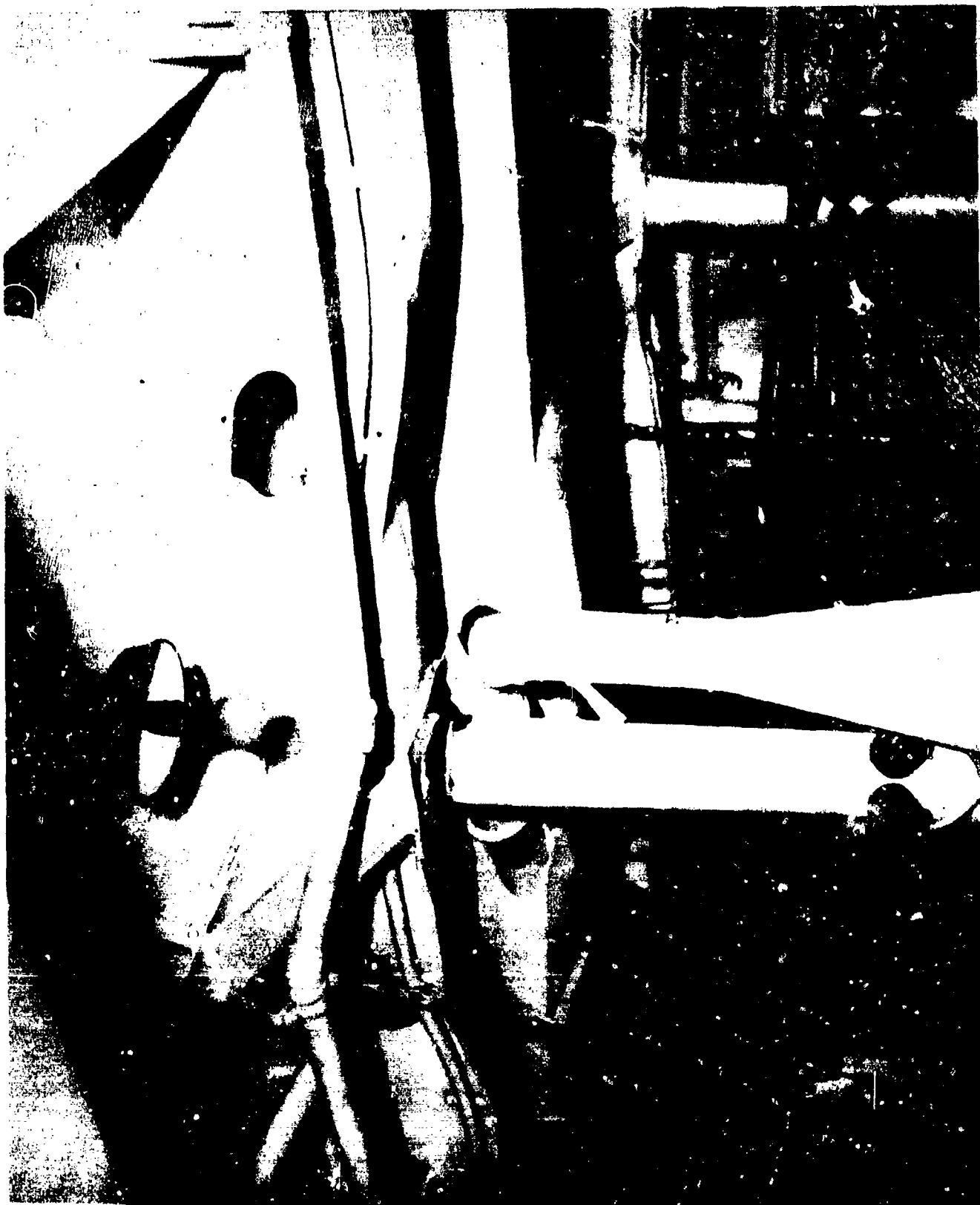
AA-CR-175-2115-7. Second deck, C-201-L, showing buckled centerline stanchion at frame 106. Looking to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 621 of 766 Pages

971



AA-CR-175-2132-9. Second deck, C-201-L. Crews berthing, showing buckled transverse beam and centerline stanchion at frame 106. Note failure of stanchion weld, failure of ventilation duct and pronounced weakening effect of lightening hole in web of transverse beam. Looking forward and to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 622 of 766 Pages

9713



AA-CR-175-211b-8. Second deck, C-201-L, looking to starboard at frame 108.

SECRET

USS INDEPENDENCE (CVL22)

Page 623 of 766 Pages

9713



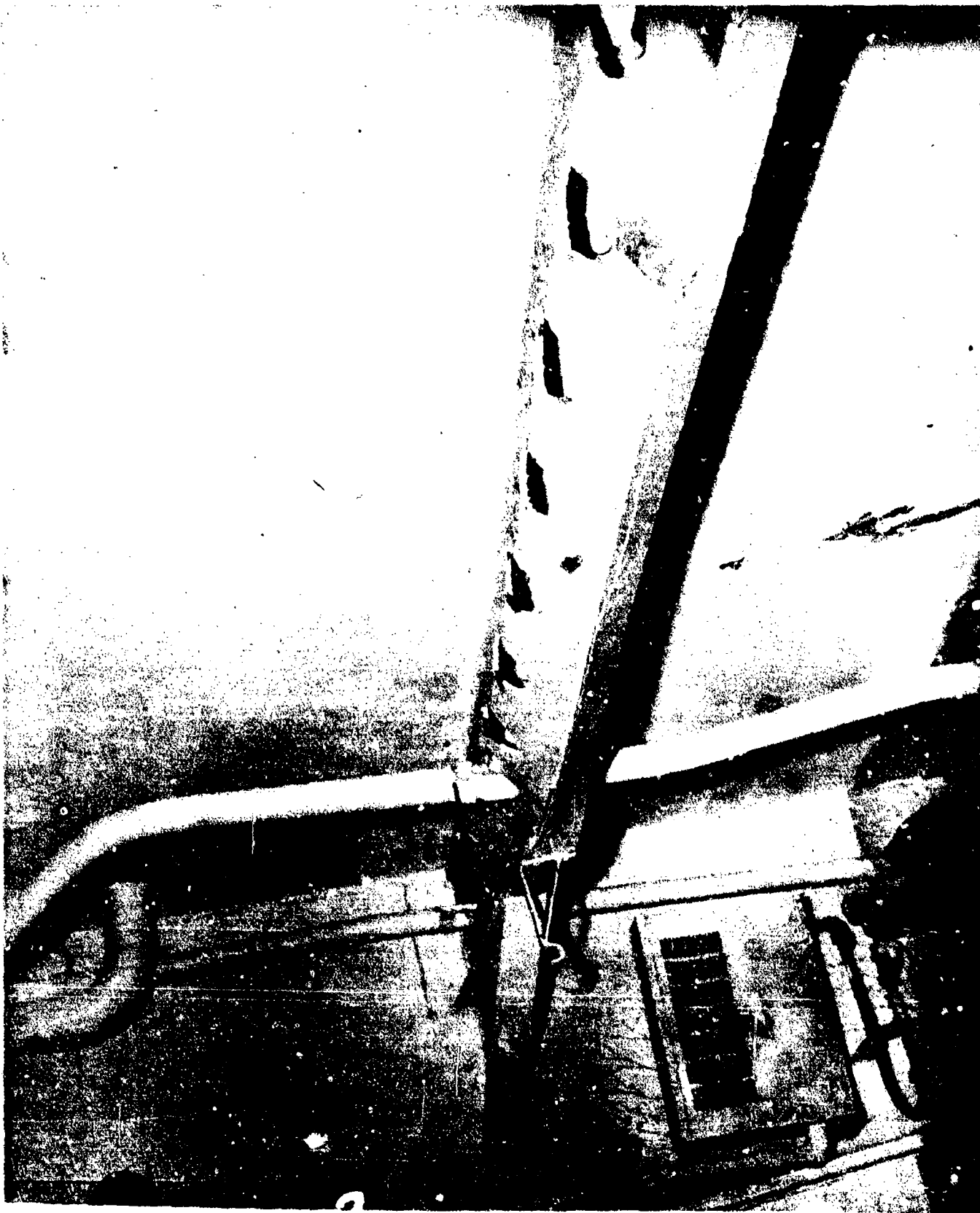
AA-CR-59-2112-3. Second deck, C-201-L, looking forward at frame 106, starboard side.

SECRET

USS INDEPENDENCE (CVL22)

Page 624 of 766 Pages

9713



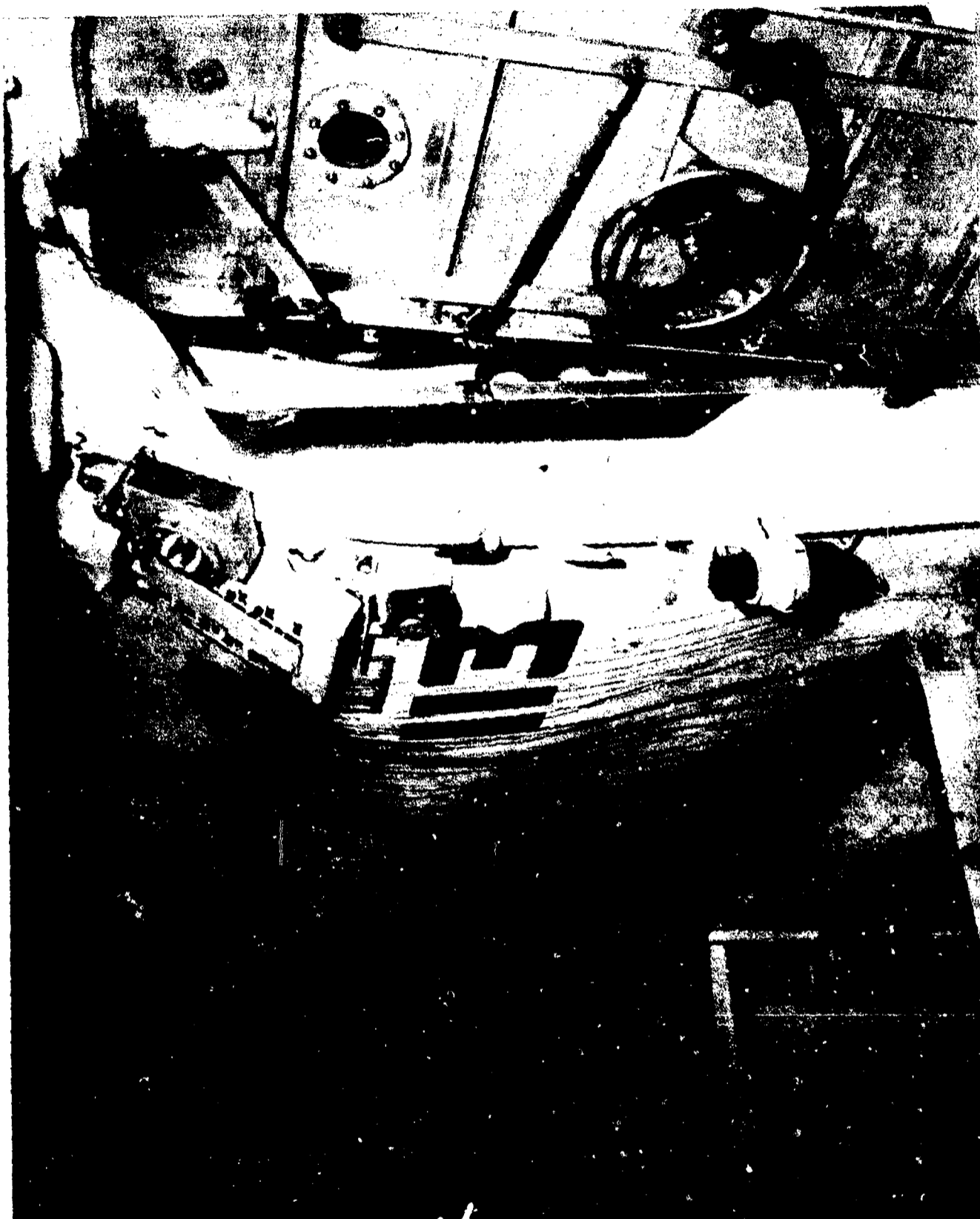
AA-CR-59-2112-2. Second deck, C-201-L. Port shell stringer forward of bulkhead 113.

SECRET

USS INDEPENDENCE (CVL22)  
Page 625 of 766 Pages

9713





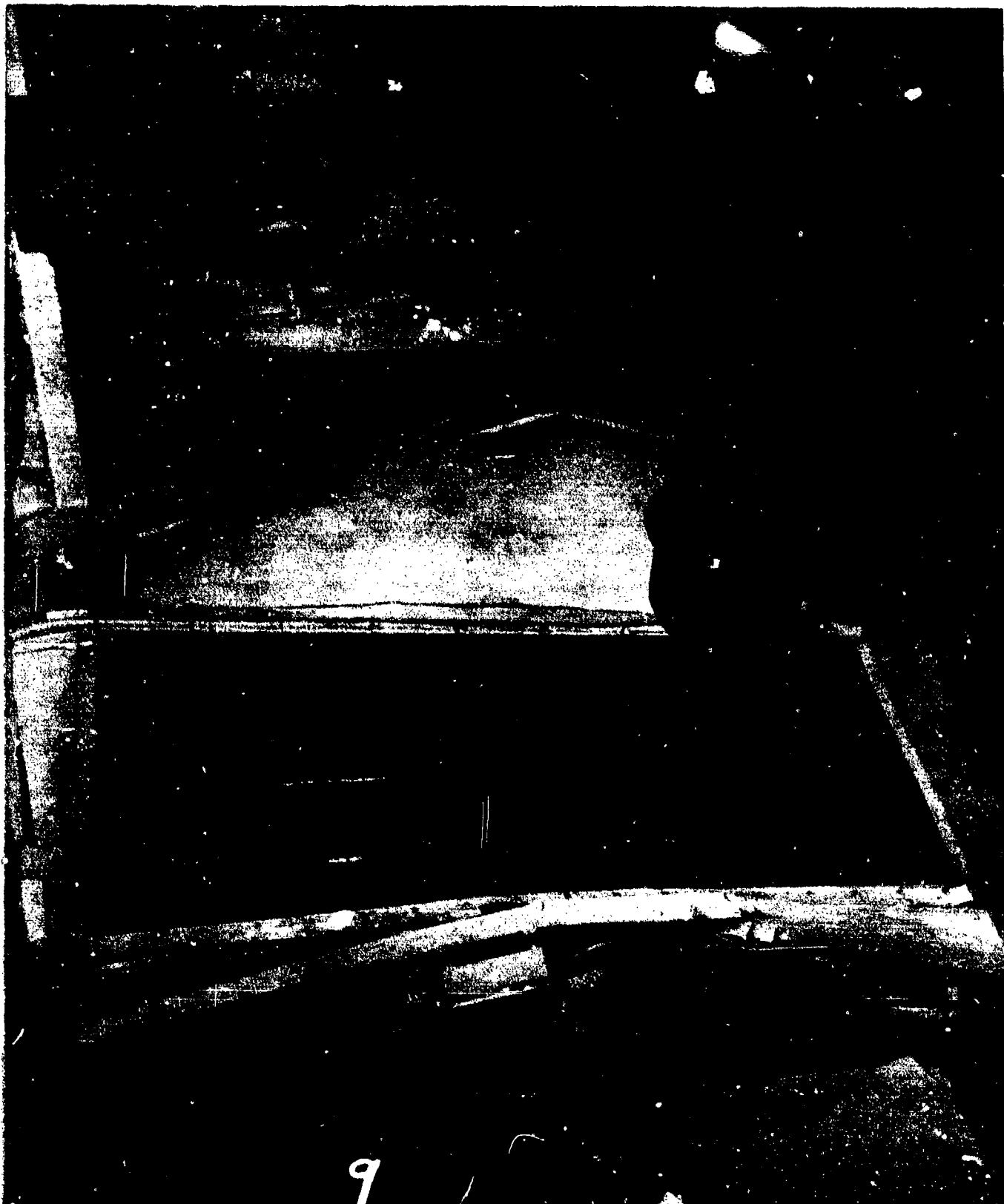
AA-CR-175-2115-11. Second deck, C-202-L. After face of bulkhead 113, looking to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 626 of 766 Pages

9713



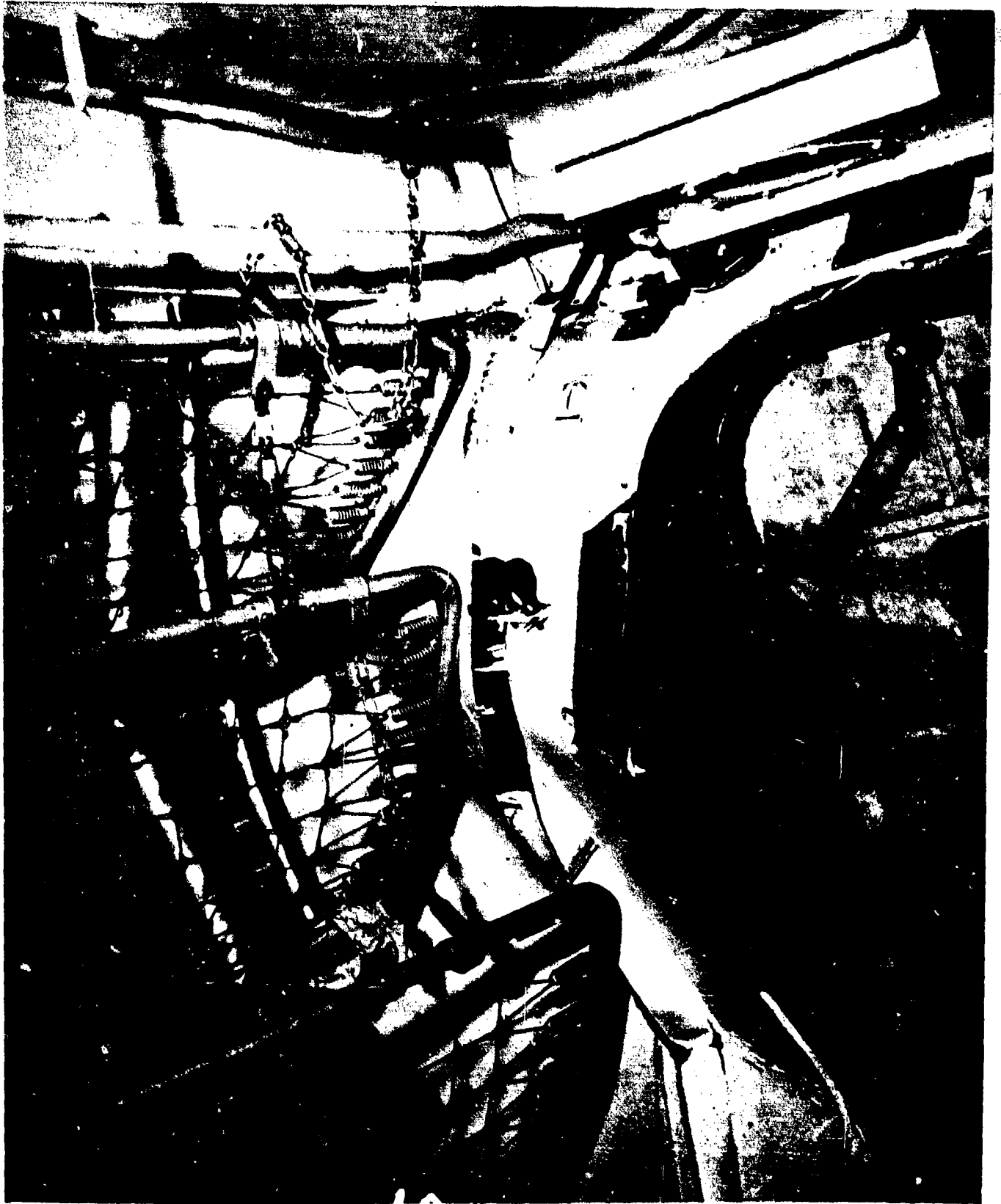
AA-CR-175-2115-9. Second deck, C-201-L, looking aft and inboard at elevator valve enclosure on centerline. Note buckled transverse W.T. bulkhead at frame 113 and damage to joiner bulkhead forward of frame 113.

SECRET

USS INDEPENDENCE (CVL22)

Page 627 of 766 Pages

9713



AA-CR-175-2115-10. Second deck, C-202-L, looking aft at port side of bulkhead 119.

SECRET

USS INDEPENDENCE (CVL22)

Page 628 of 766 Pages

9713



AA-CR-175-2116-11. Second deck, C-203-L. Crews berthing. Showing deformation of main deck transverse beam at frame 122, and failure in butt weld at intersection with number 3 port side longitudinal. Looking to starboard and forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 629 of 766 Pages

9713



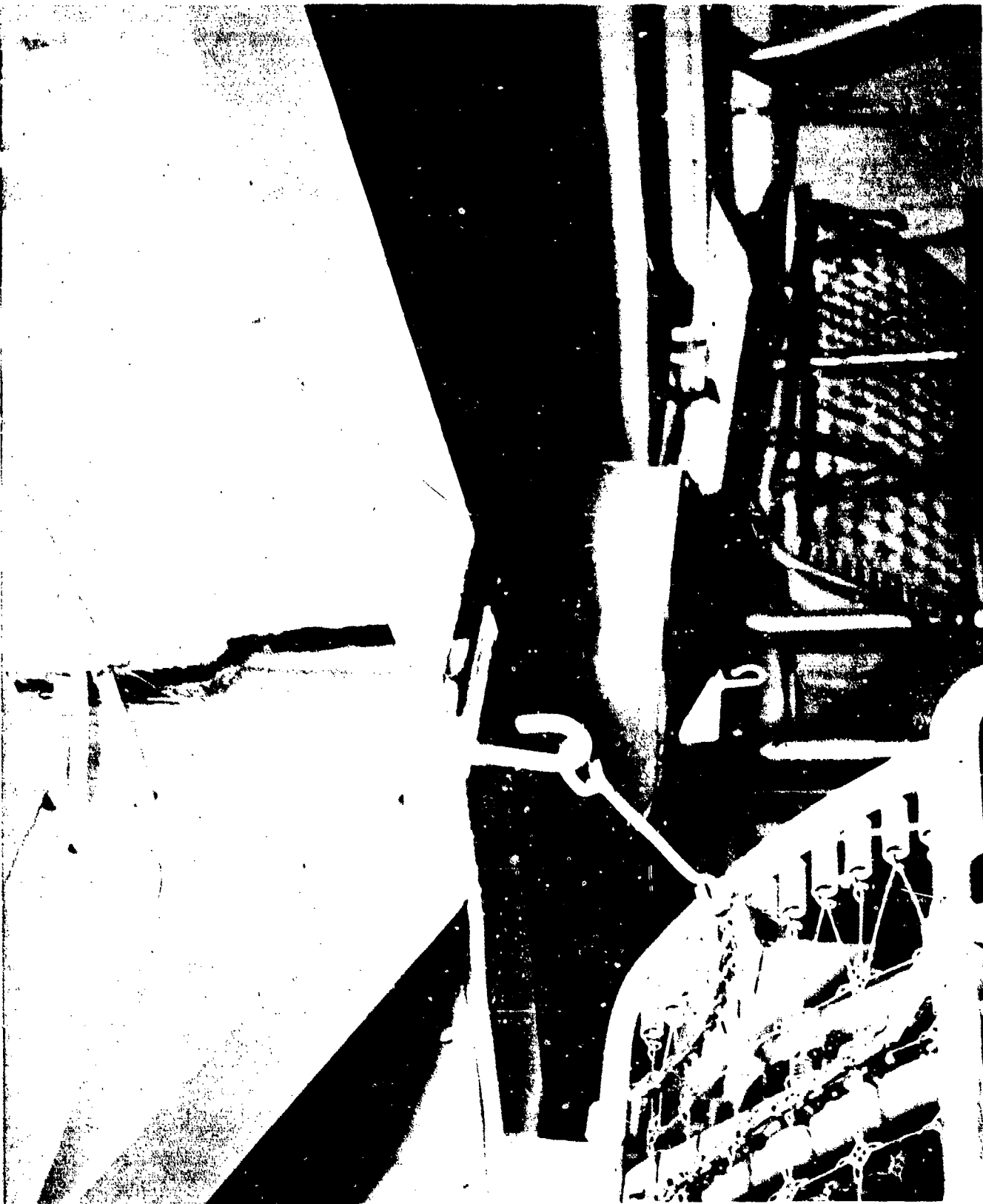
AA-CR-59-2113-12. Second deck, C-203-L, crews berthing, showing failure at frame 122 of transverse beam in butt weld below notch for port side main deck longitudinal number 3. Looking forward and to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 630 of 766 Pages

9713



AA-CR-59-2164-1. Second deck, C-203-L. Crews berthing. Failure at frame 122 of transverse beam in butt weld below notch for port side main deck longitudinal number 3. Looking aft and inboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 631 of 766 Pages

9713



AA-CR-175-2116-10. Second deck, C-203-L. Frame 125. Looking to starboard from centerline at longitudinal 4.

SECRET

USS INDEPENDENCE (CVL22)

Page 632 of 766 Pages

9713



AA-CR-175-2116-6. Second deck, C-203-L, port side looking forward from bulkhead 126. Note buckled deck.

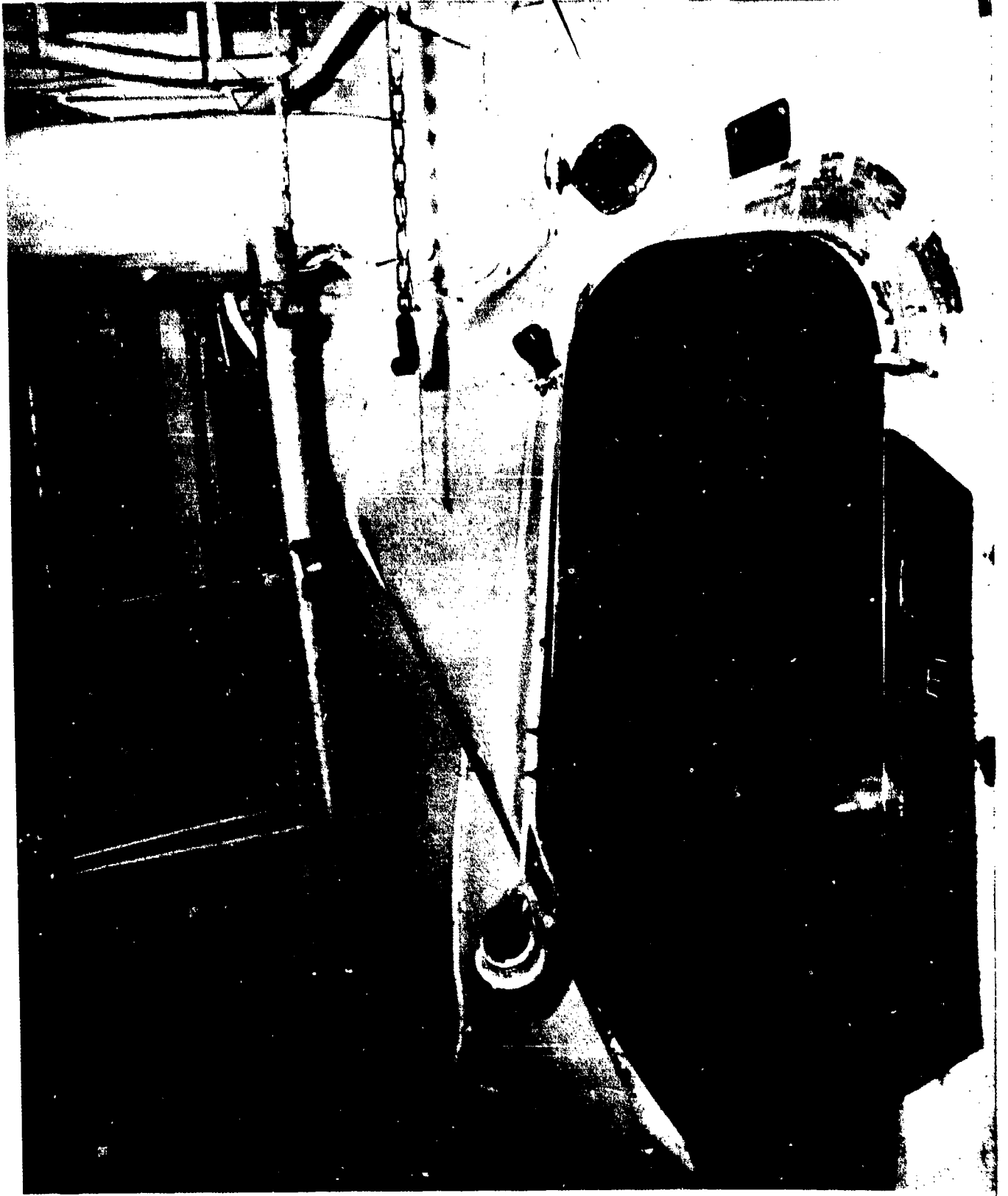
SECRET

Page 633 of 766 Pages

USS INDEPENDENCE (CVL22)

9713





AA-CR-175-2116-8. Second deck, C-203-L. Looking inboard and aft at bulkhead 126.

SECRET

USS INDEPENDENCE (CVL22)  
Page 634 of 766 Pages

9713

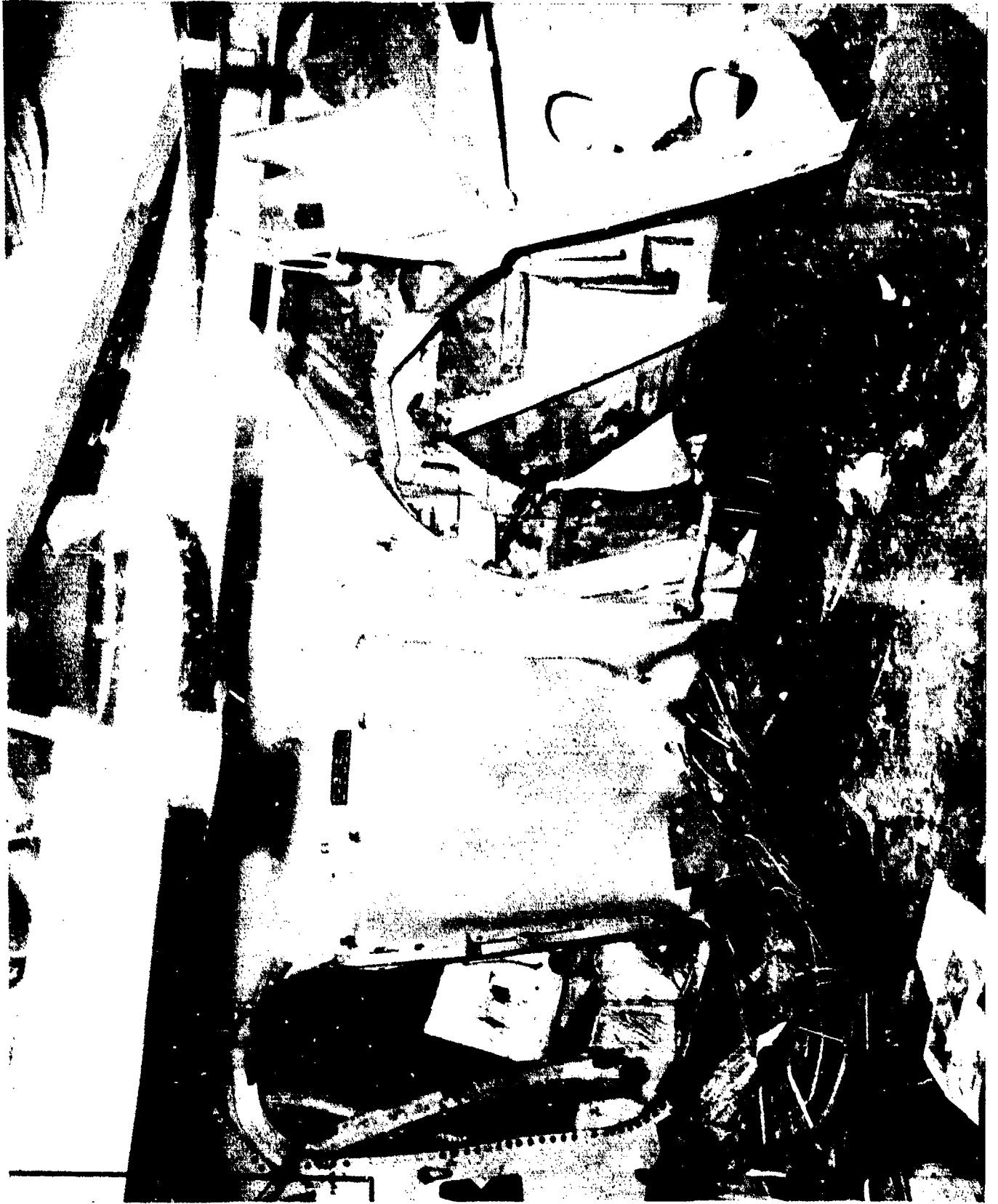


AA-CR-175-2116-7. Second deck, C-203-L. Looking to port and aft at bulkhead 126.

SECRET

USS INDEPENDENCE (CVL22)  
Page 635 of 766 Pages

9713



AA-CR-175-2117-8. Second deck, looking aft at bulkhead 138 port side, showing longitudinal wrinkle in deck, tear in shell, and failure of weld at frame 137.

SECRET

USS INDEPENDENCE (CVL22)

Page 636 of 766 Pages

9713



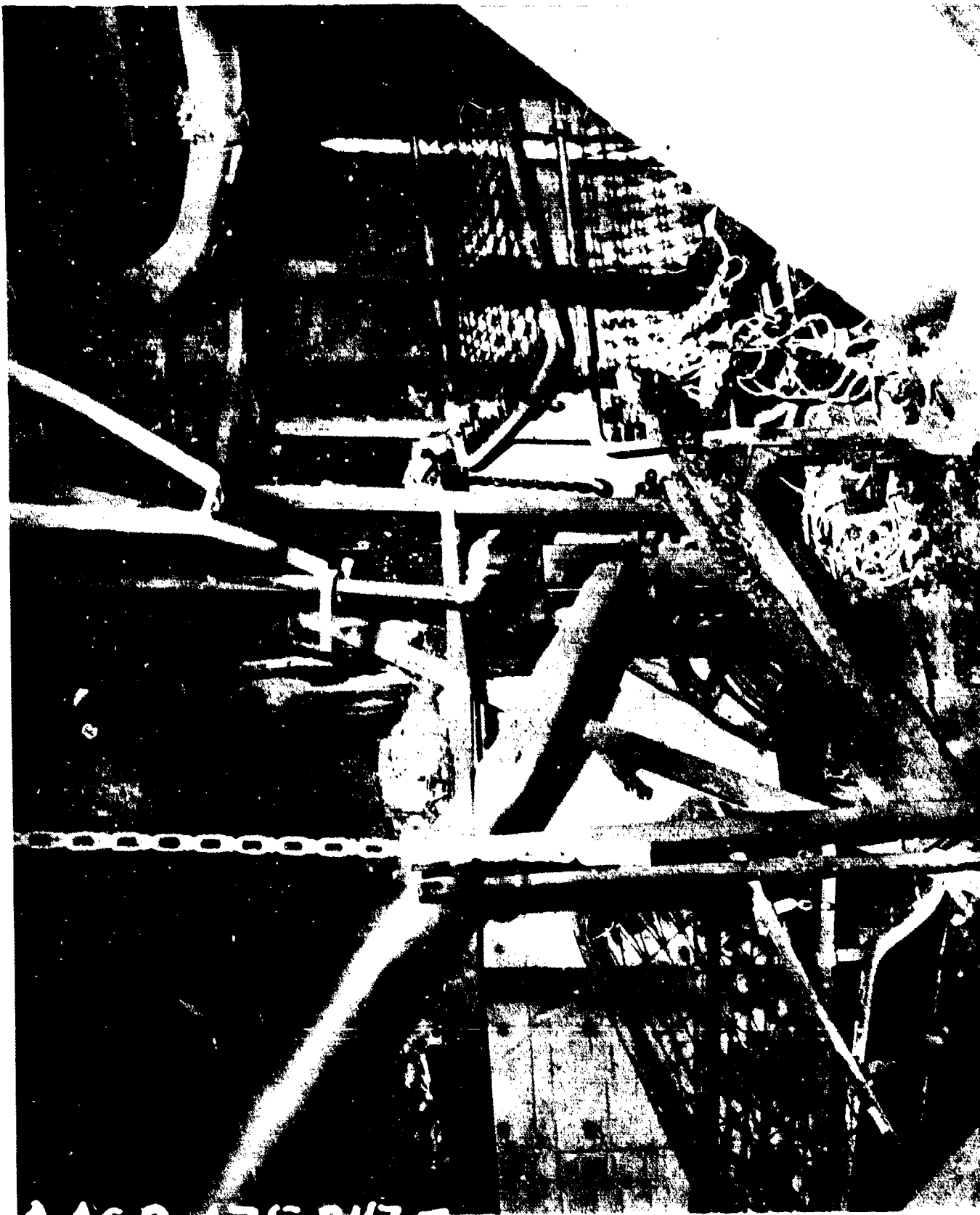
AA-CR-175-2117-2. Second deck. C-204-L. View of longitudinal wrinkle in deck, port side, looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 637 of 766 Pages

9713



AA-CR-175-2117-7. Second deck, C-204-L, crews berthing, port side in way of frame 129, looking toward port side.

SECRET

USS INDEPENDENCE (CVL22)  
Page 638 of 766 Pages

9713

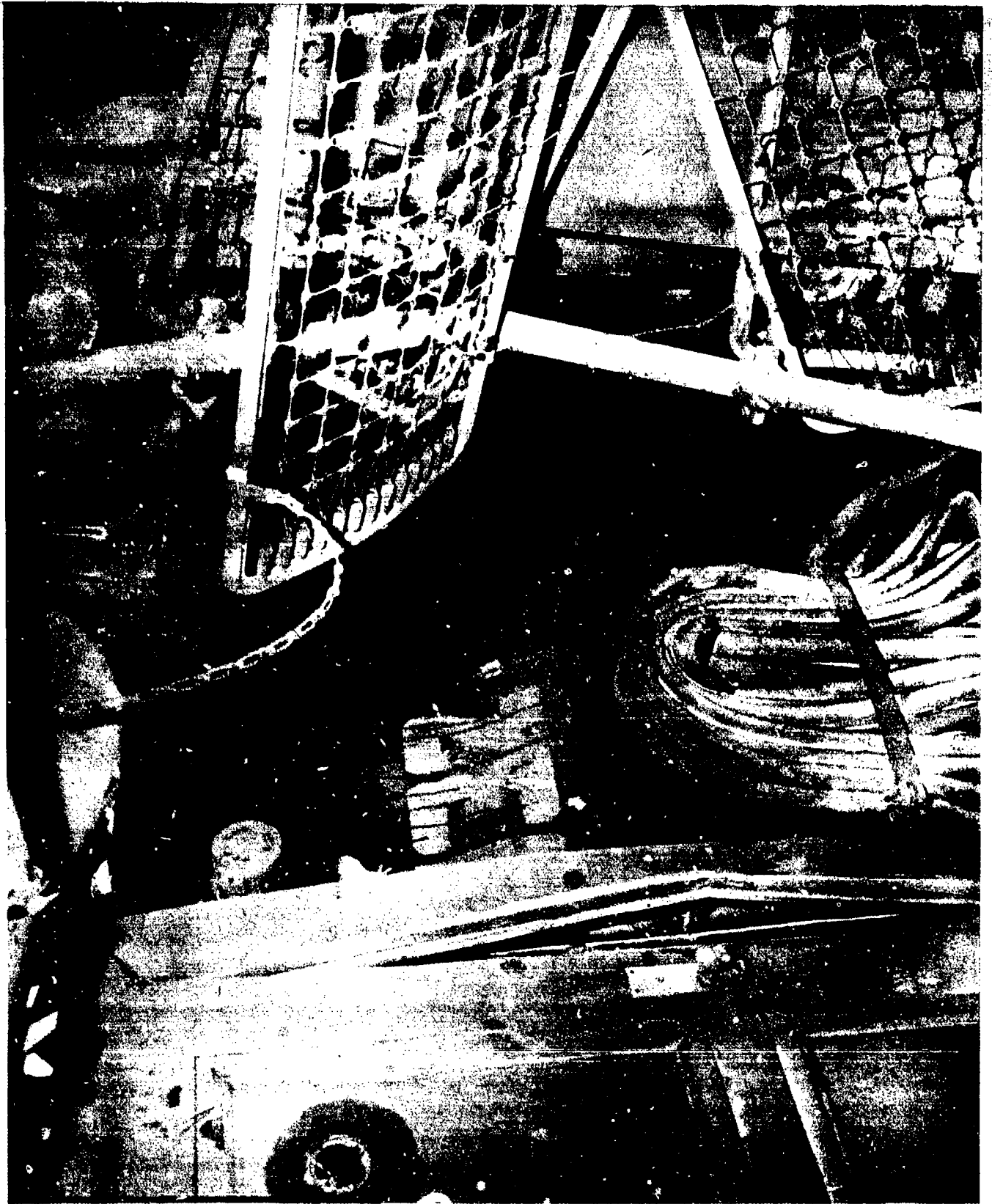


AA-CR-175-2117-4. Second deck, crews berthing space, C-204-L, showing broken main deck longitudinal and failure of fillet welds to deck plating.

SECRET

USS INDEPENDENCE (CVL32)  
Page 639 of 766 Pages

9713

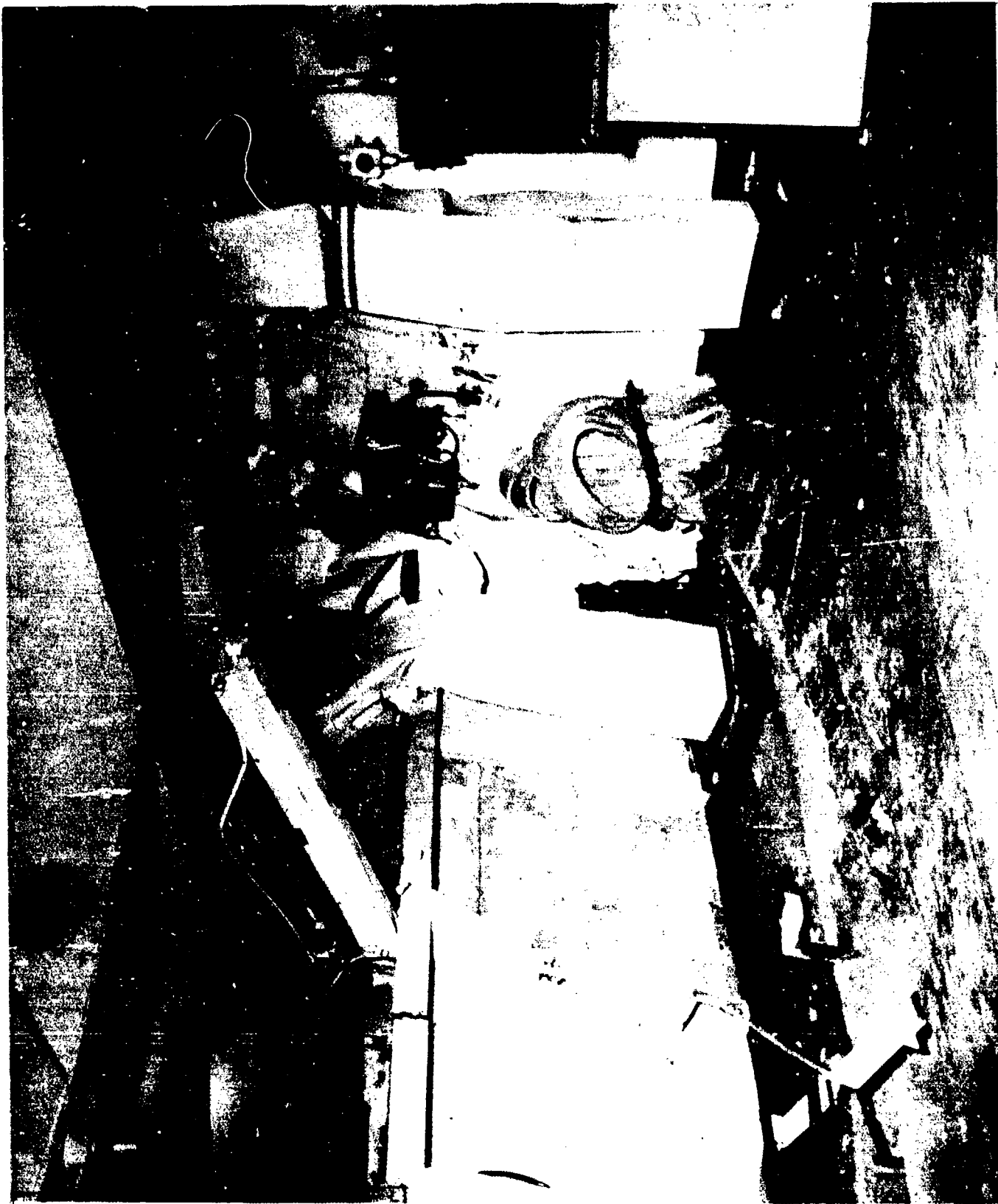


AA-CR-175-2117-3. Second deck. C-204-L. Bulkhead 132, port side, looking aft.

SECRET

USS INDEPENDENCE (CVL22)  
Page 640 of 766 Pages

9713



AA-CR-93-2071-1. Second deck, CPO messroom C-205-2L, showing buckled deck and transverse bulkhead at frame 132. Looking forward and to port. Note failure of welded butt in shell longitudinal.

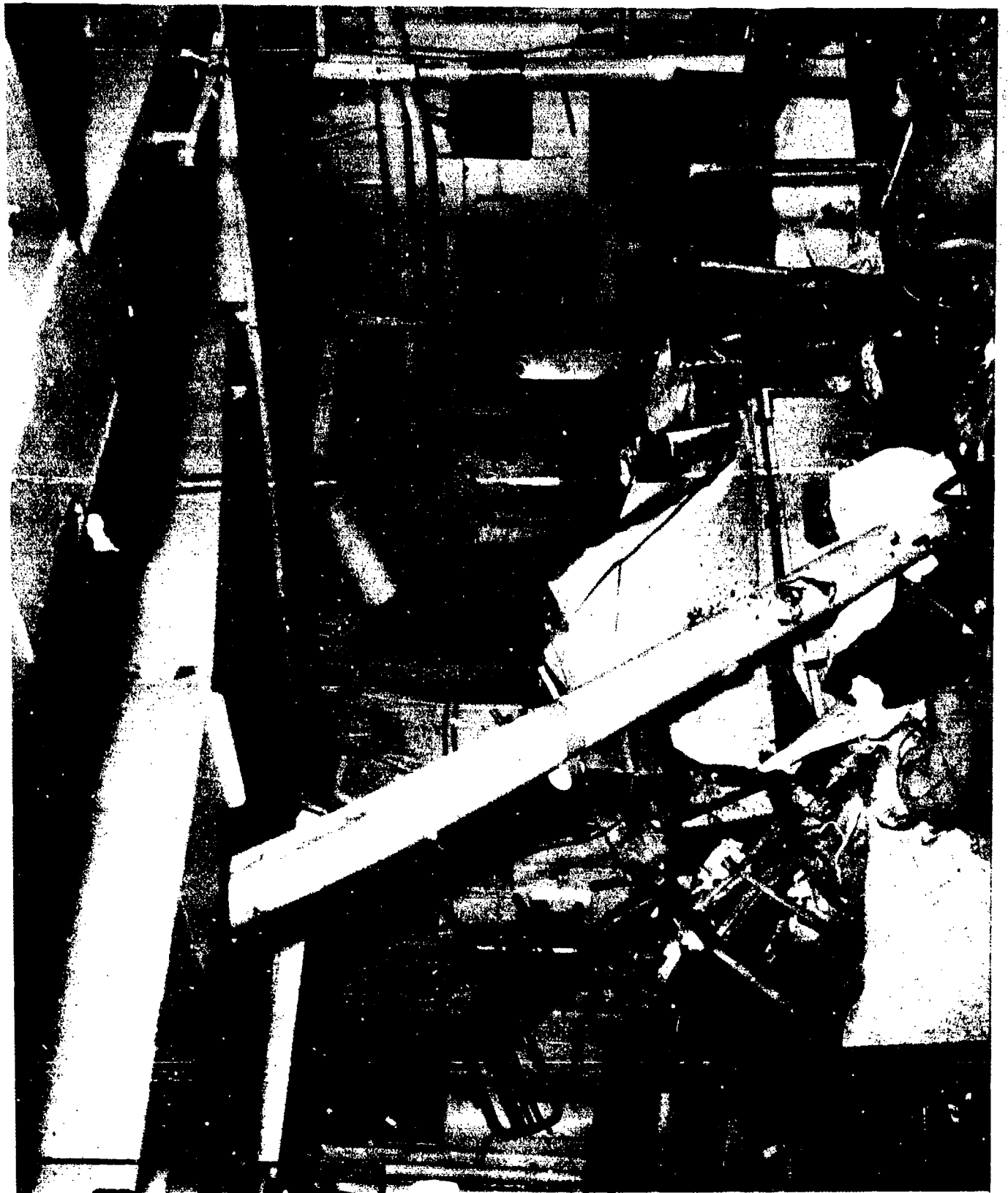
SECRET

USS INDEPENDENCE (CVL22)

Page 641 of 766 Pages

9713





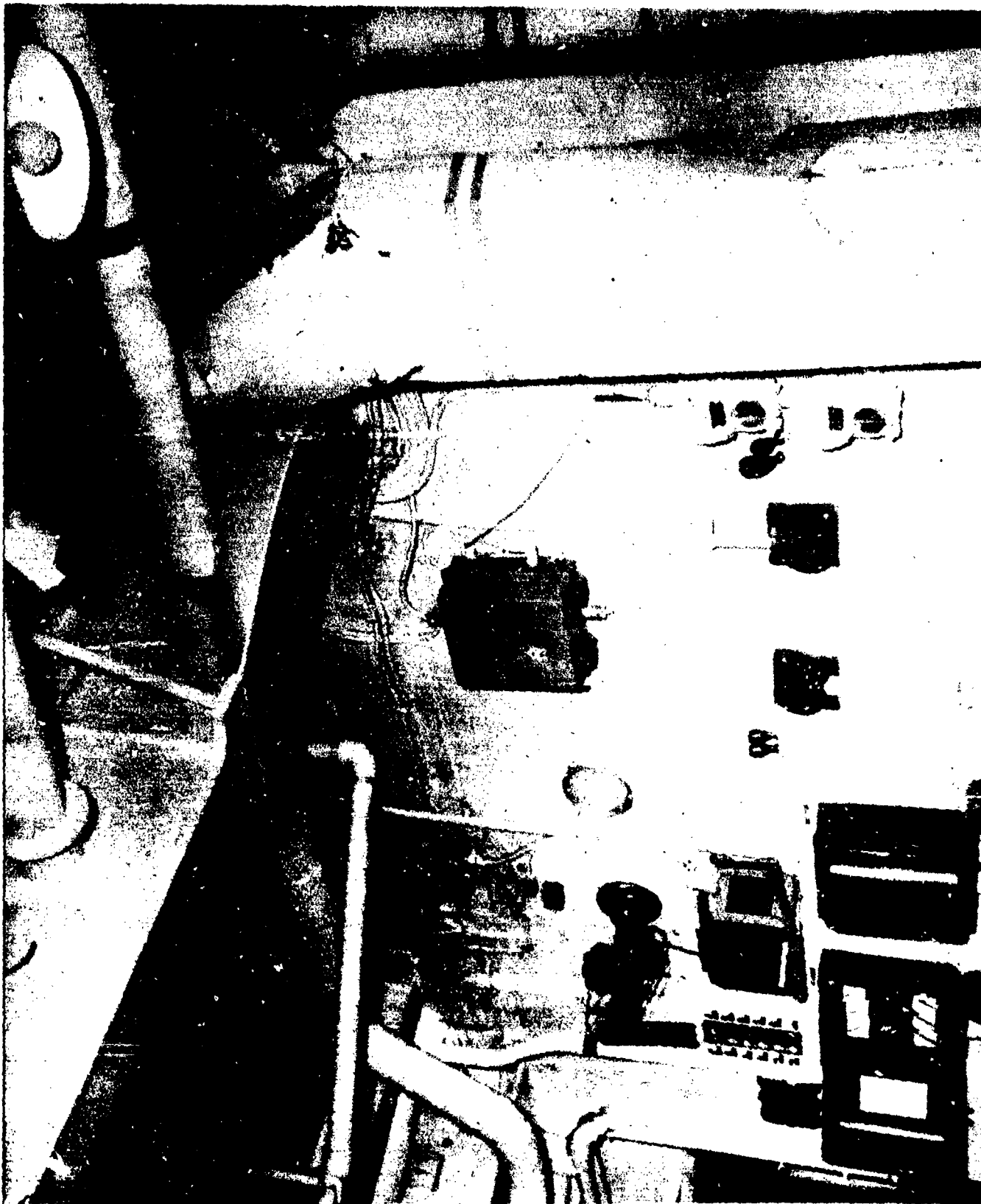
AA-CR-175-2117-9. Second deck, C-205-2L. General view, forward and starboard, of CPO mess.

SECRET

USS INDEPENDENCE (CVL22)

Page 642 of 766 Pages

9713



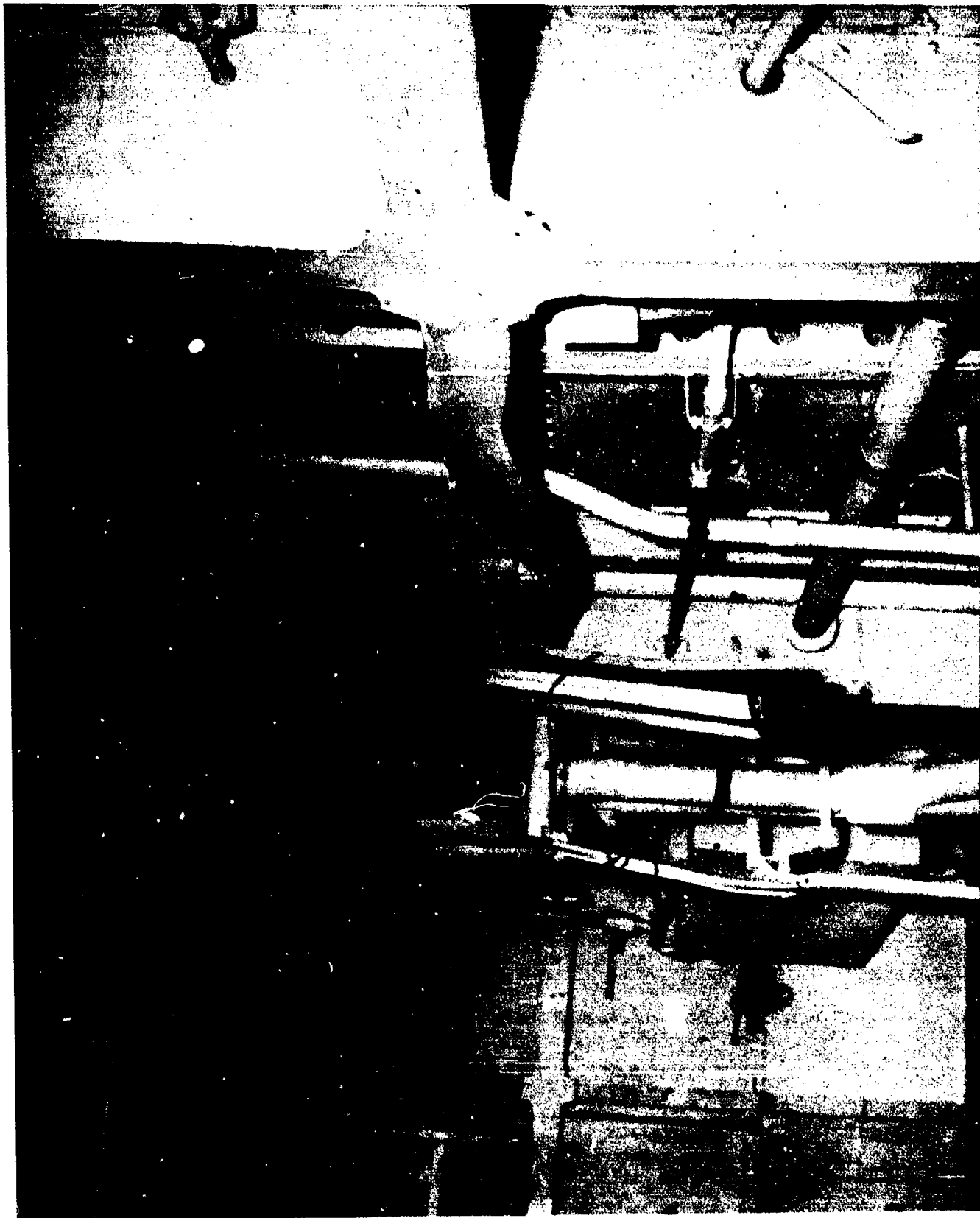
AA-CR-93-2071-4. Second deck, C-205-2L. Looking aft and upward at centerline longitudinal girder crushed in way of bulkhead 138.

SECRET

USS INDEPENDENCE (CVL22)

Page 643 of 766 Pages

9713



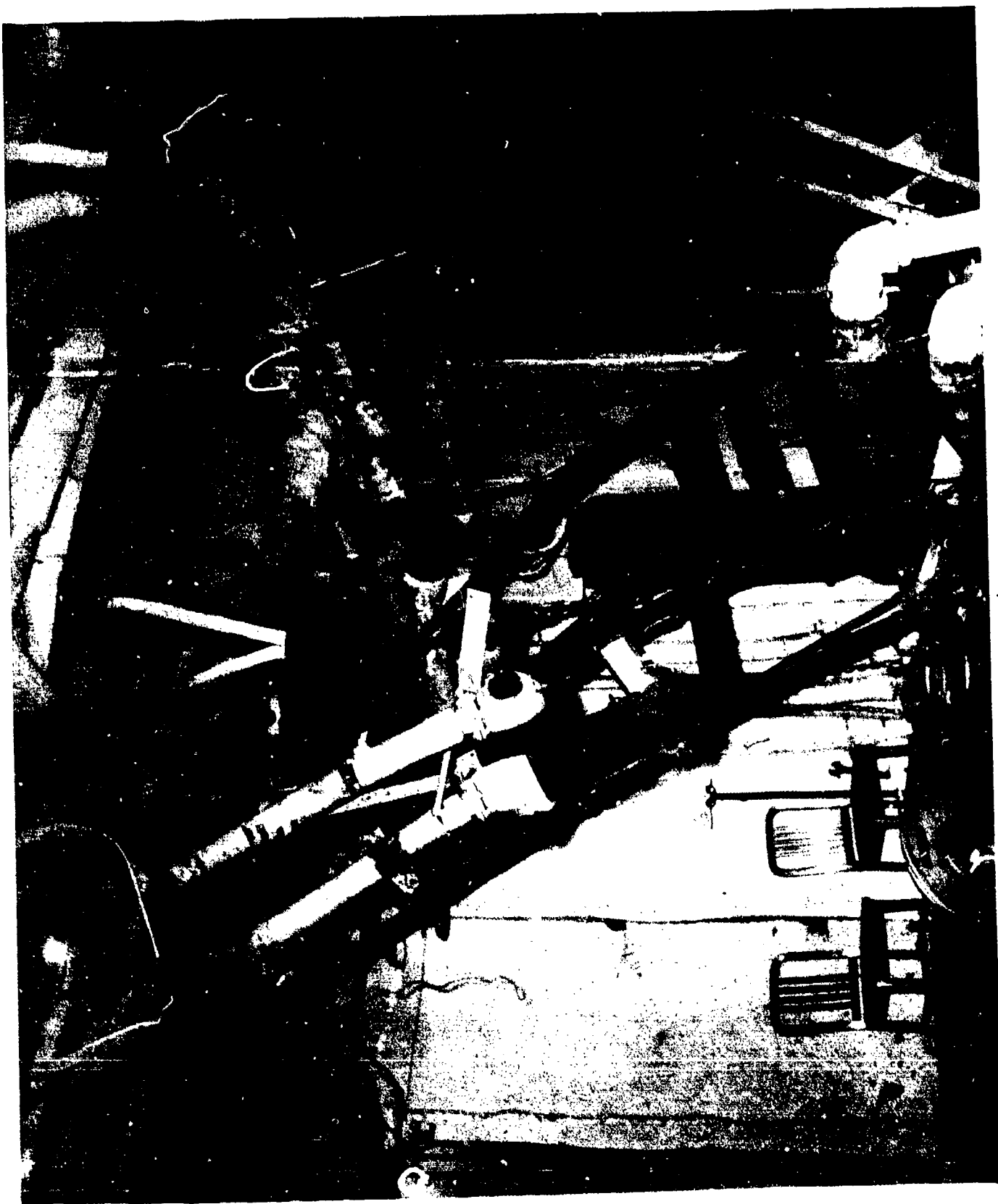
AA-CR-93-2071-3. Second deck, C-205-2L. CPO mess, looking upward from port side at distorted beam, frame 136.

SECRET

USS INDEPENDENCE (CVL22)

Page 644 of 766 Pages

9713



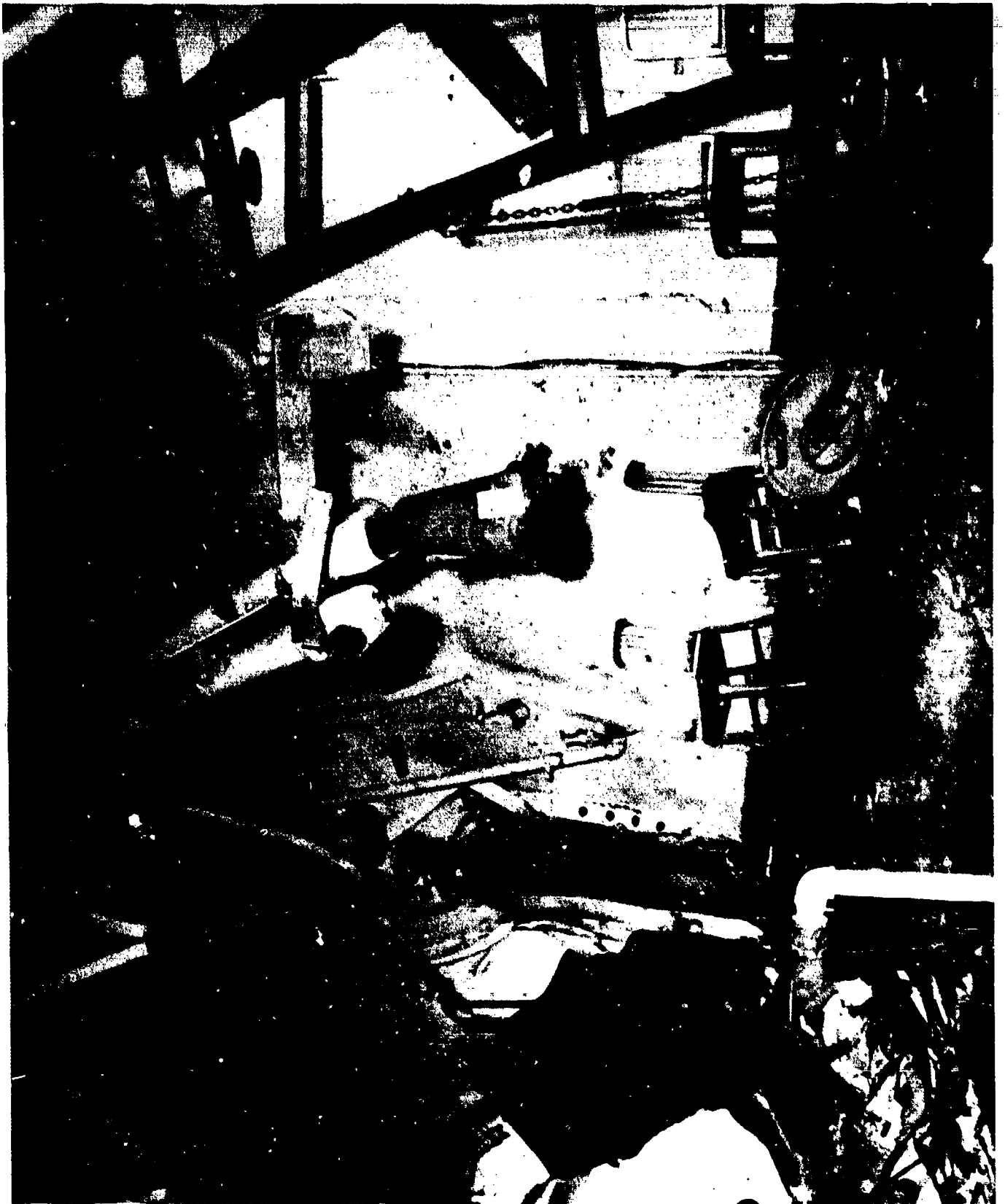
AA-CR-93-1999-9. Second deck. C-205-2L. CPO mess, looking forward and starboard at bulkhead 138. Note absence of trunk around ladders.

SECRET

USS INDEPENDENCE (CVL22)

Page 645 of 766 Pages

9713



AA-CR-93-1999-10. Second deck, CPO berthing, C-206-L, showing blast damage to port shell and buckled deck and transverse bulkhead at frame 138. Looking forward and to port. Note weld failure at intersection of bulkhead stiffener and deck longitudinal.

SECRET

USS INDEPENDENCE (CVL22)

Page 646 of 766 Pages

9713



AA-CR-93-2071-2. Second deck, C-205-2L, Looking aft at bulkhead 138, port side, showing longitudinal wrinkle in deck, tear in shell; and failure of welds at frame 137 and along welded seam at 3rd deck line.

SECRET

USS INDEPENDENCE (CVL22)

Page 647 of 766 Pages

9713

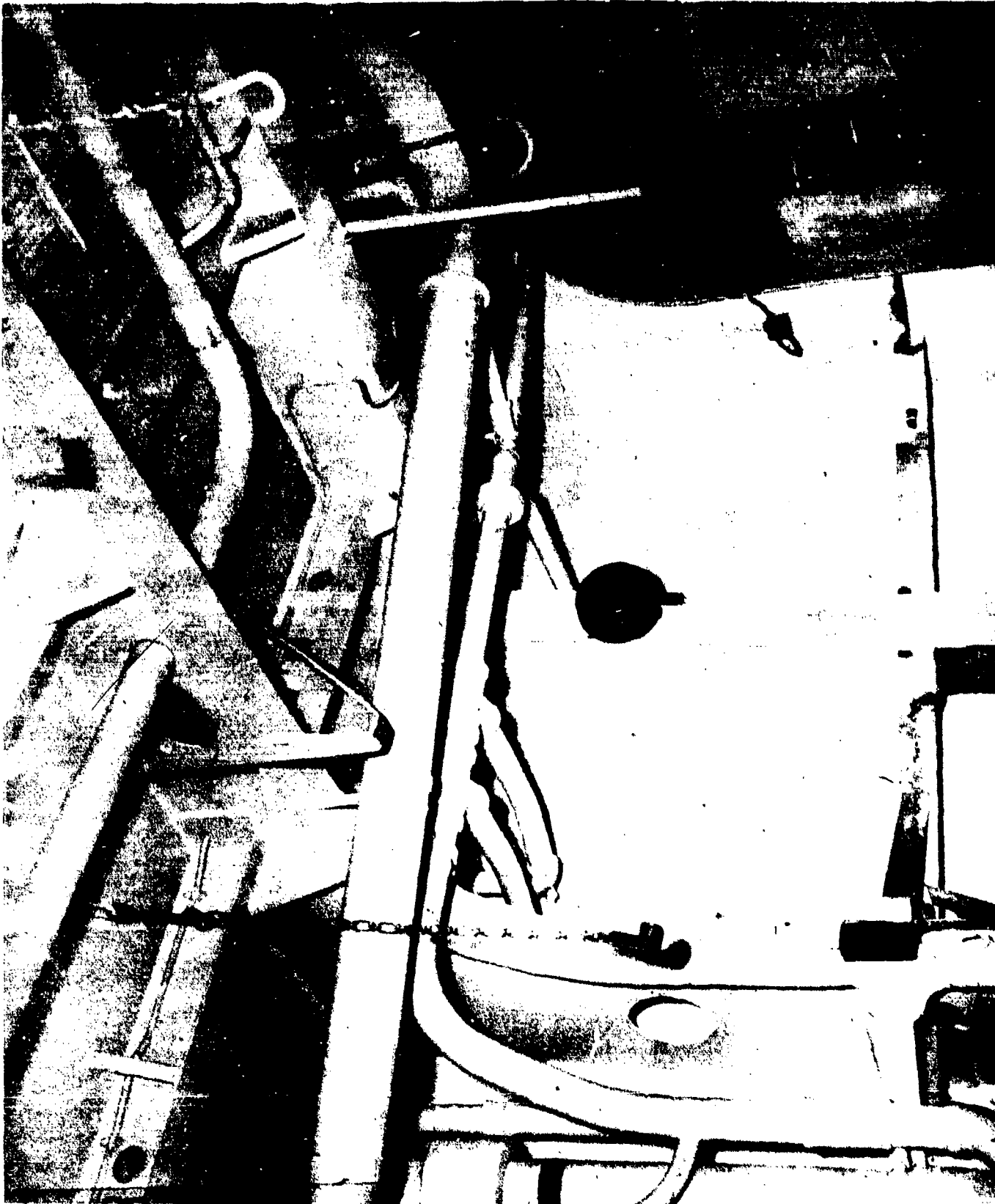


AA-CR-93-2071-6. Second deck, C-206-L, looking aft and starboard at starboard shell plating and deck connections frames 140 to 143.

SECRET

USS INDEPENDENCE (CVL22)  
Page 648 of 766 Pages

9713



AA-CR-93-2071-5. Second deck, C-206-L. Starboard shell plating, frames 140 to 143, looking aft and upward.

SECRET

USS INDEPENDENCE (CVL22)

Page 649 of 766 Pages

9713





AA-CR-93-1999-11. Second deck, C-206-L. View looking to port and aft, showing severe inboard displacement of port shell at bulkhead 144.

SECRET

USS INDEPENDENCE (CVL22)  
Page 650 of 766 Pages

9713



AA-CR-175-2118-1. Second deck, C-206-L. Looking aft and to port at forward face of bulkhead 14.

SECRET

USS INDEPENDENCE (CVL22)  
Page 651 of 766 Pages

9713



AA-CR-175-2118-2. Second deck, C-207-L, looking forward and to starboard at aft face of bulkhead 144. Note damaged ventilation ducts.

SECRET

Page 652 of 766 Pages

USS INDEPENDENCE (CVL22)

9713



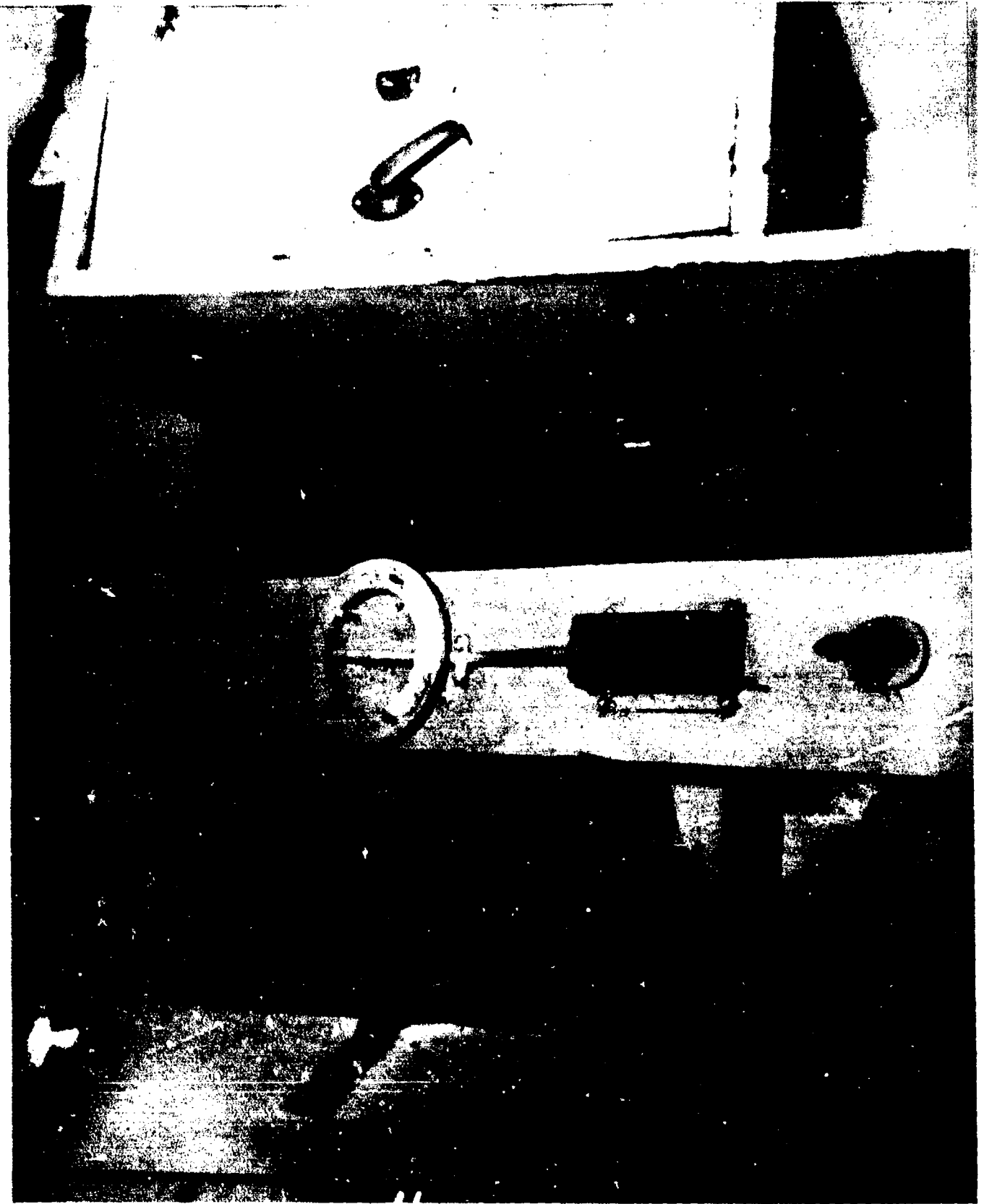
AA-CR-175-2118-3. Second deck C-208-L. Looking to port and forward -  
in CPO washroom at bulkhead 147.

SECRET

USS INDEPENDENCE (CVL22)

Page 653 of 766 Pages

9713



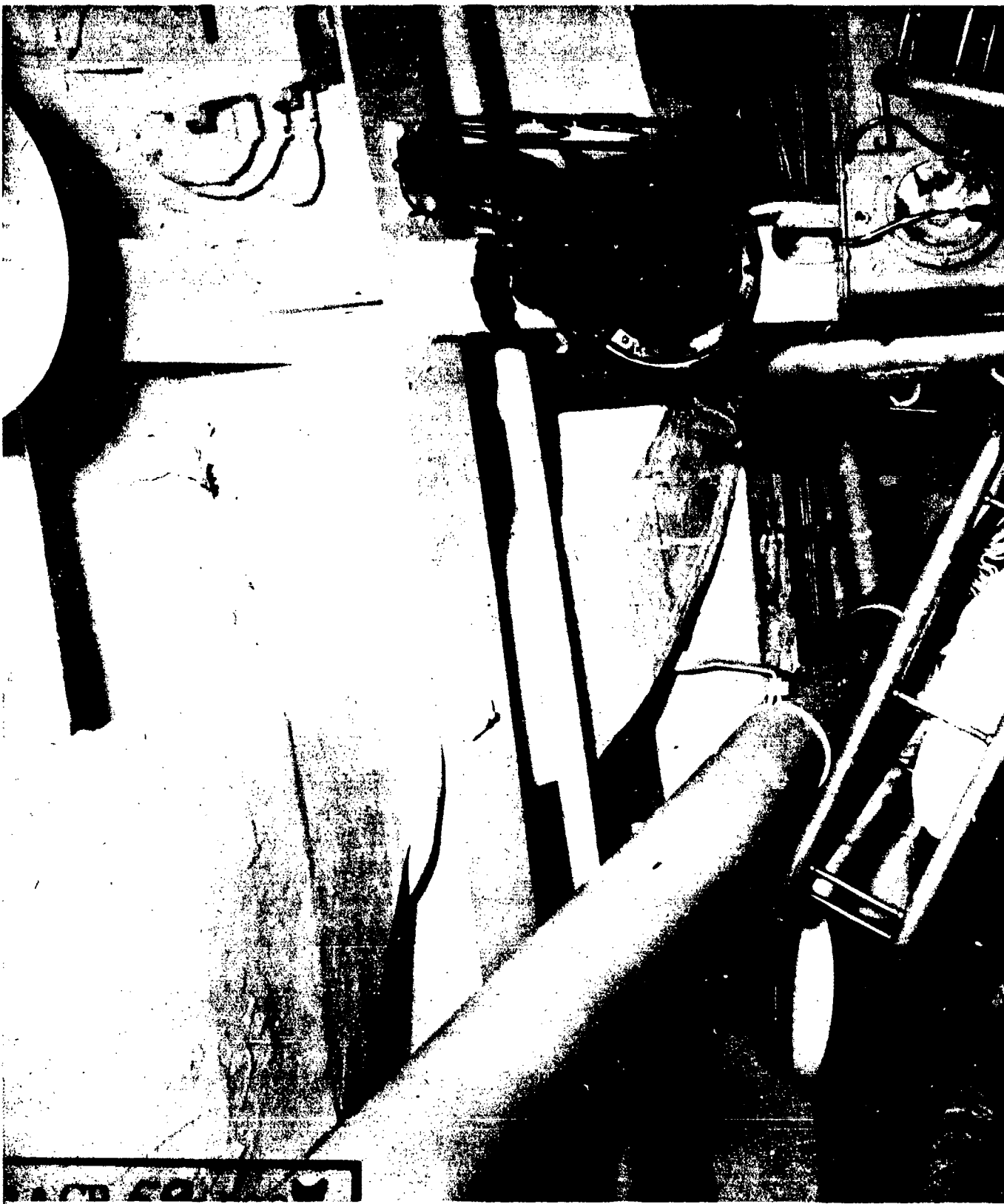
AA-CR-175-2118-4. Second deck. Stern. Interior face of counter, showing loosened insulation.

SECRET

USS INDEPENDENCE (CVL22)

Page 654 of 766 Pages

9713 -



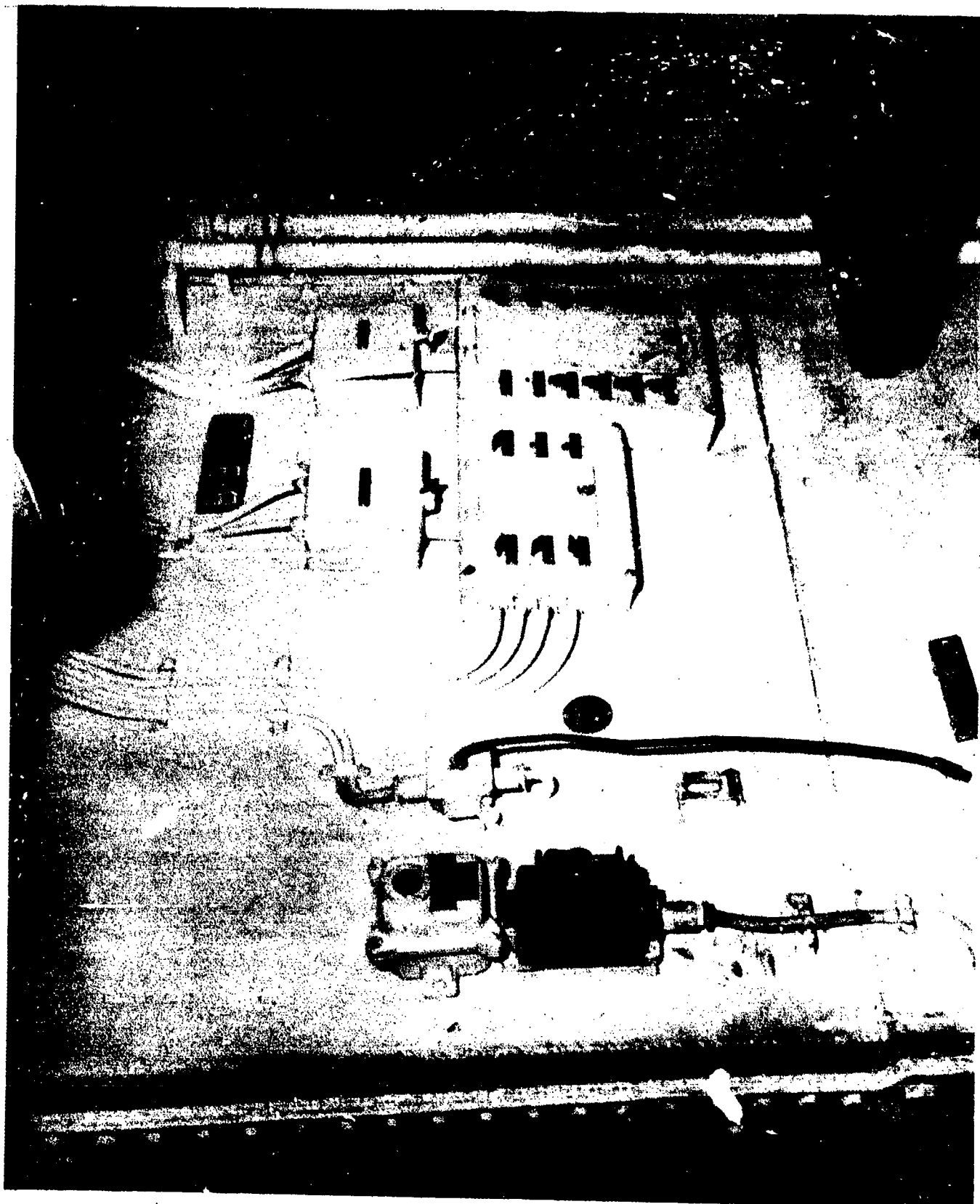
AA-CR-59-2088-3. Third deck, sick bay, A-312-3L, starboard side, showing buckled web in overhead second deck transverse girder, and quarter span stanchion fractured in butt weld at frame 53. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 655 of 766 Pages

9713



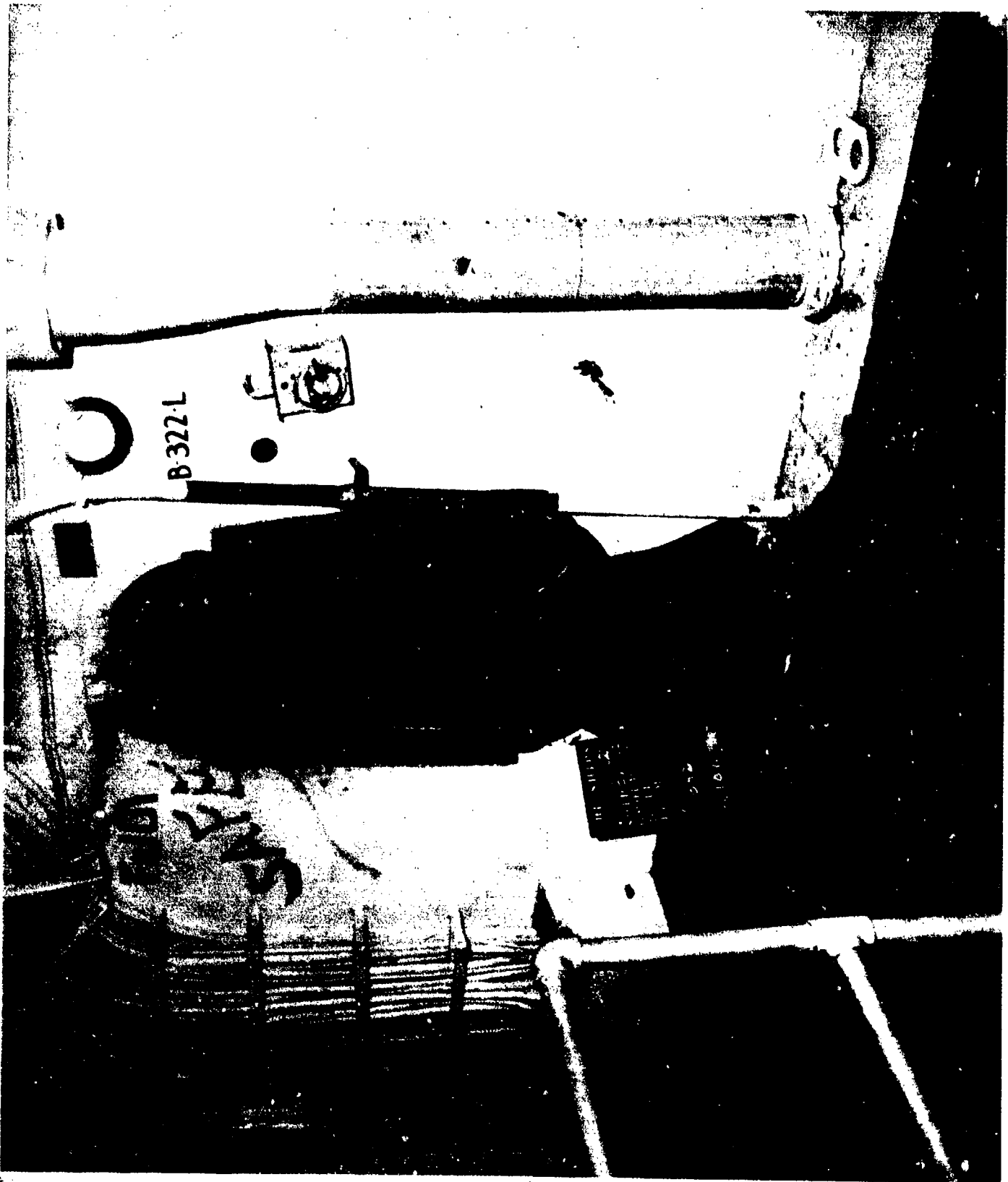
AA-CR-59-2088-5. Third deck, B-317-L, starboard side frame 85. Looking aft and inboard at trunk B-321-T. Buckle runs from high starboard to low port. Upper plating buckled but lower strake, 30# STS, is intact.

SECRET

USS INDEPENDENCE (CVL22)

Page 656 of 766 Pages

9713



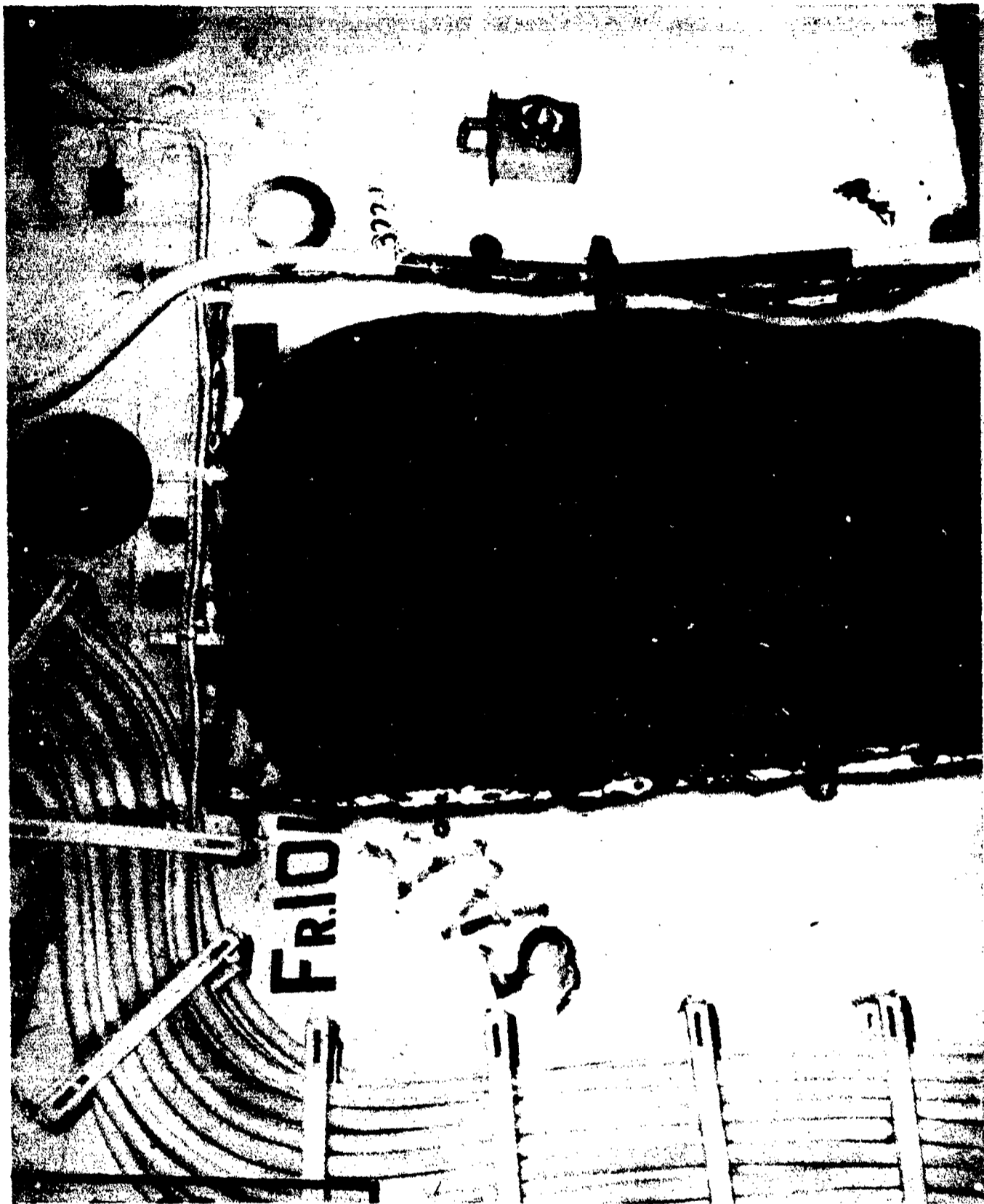
AA-CR-175-2133-12. Third deck, B-322-L, port side looking aft and in-board. Note condition of bulkhead 101 and door frame.

SECRET

USS INDEPENDENCE (CVL22)  
Page 657 of 766 Pages

9713



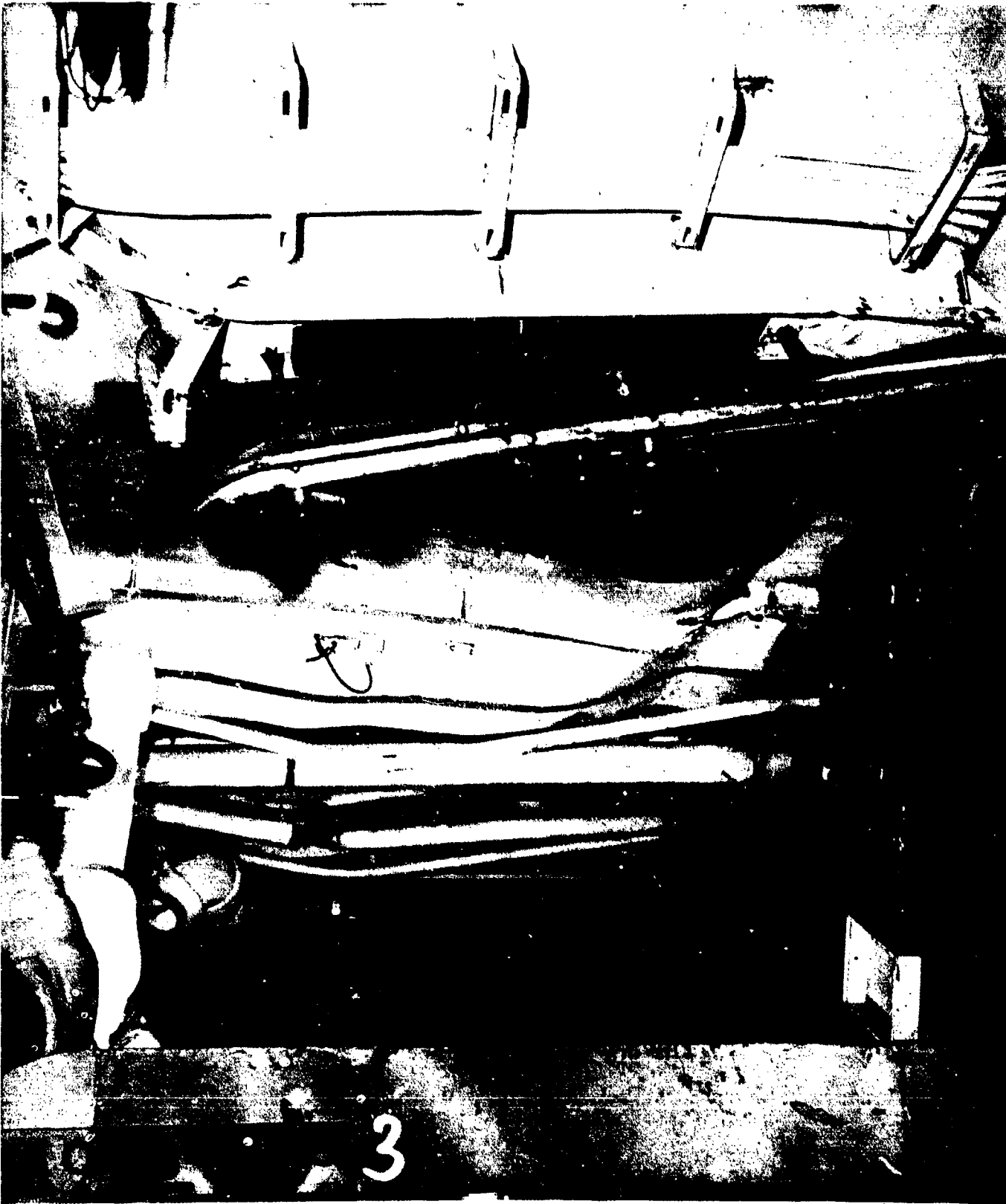


AA-CR-59-2088-8. Third deck, B-322-L, port side, looking aft at  
blacked off door 3-101-2. See 2133-12.

SECRET

USS INDEPENDENCE (CVL22)  
Page 658 of 766 Pages

9713



AA-CR-175-2115-3. Third deck, C-301-L, port side looking forward and outboard at bulkhead 101 and door 3-101-2. See 2133-12.

SECRET

USS INDEPENDENCE (CVL22)

Page 659 of 766 Pages

9713



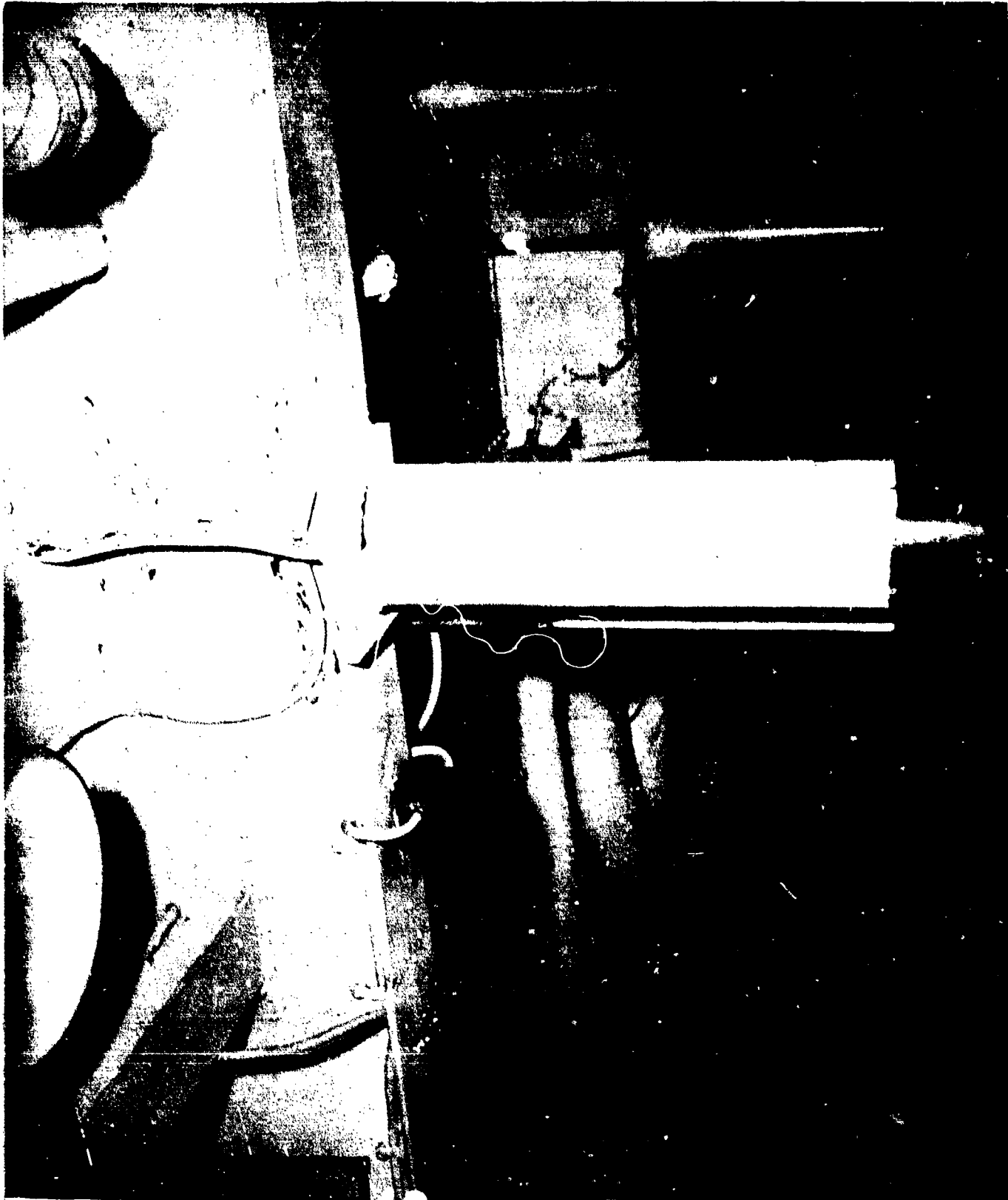
AA-CR-59-2088-9. Third deck, C-301-L, showing transverse girder at frame 104 buckled in way of cut outs. Looking forward and to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 660 of 766 Pages

9713



AA-CR-59-2088-10. Third deck, C-301-L, looking aft at frame 106, starboard side. Peeled paint on web over stanchions shows excellent strain pattern. Stanchion stands on armor bulkhead.

SECRET

USS INDEPENDENCE (CVL22)

Page 661 of 763 Pages

9713



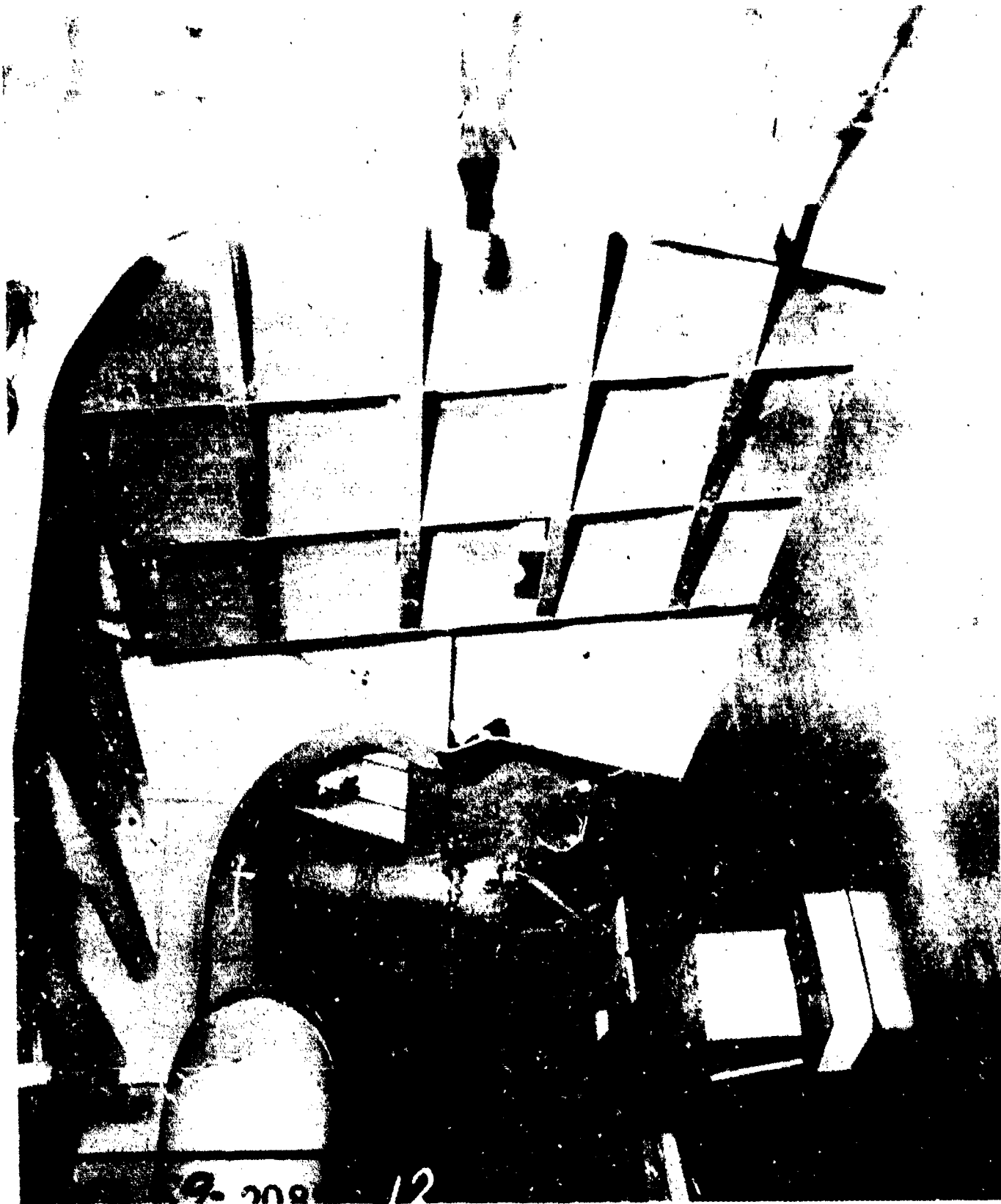
AA-CR-59-2112-1. Third deck. C-301-L. Looking forward along port shell at web frames 106, 104 and bulkhead 101. No damage.

SECRET

USS INDEPENDENCE (CVL22)

Page 662 of 766 Pages

9713

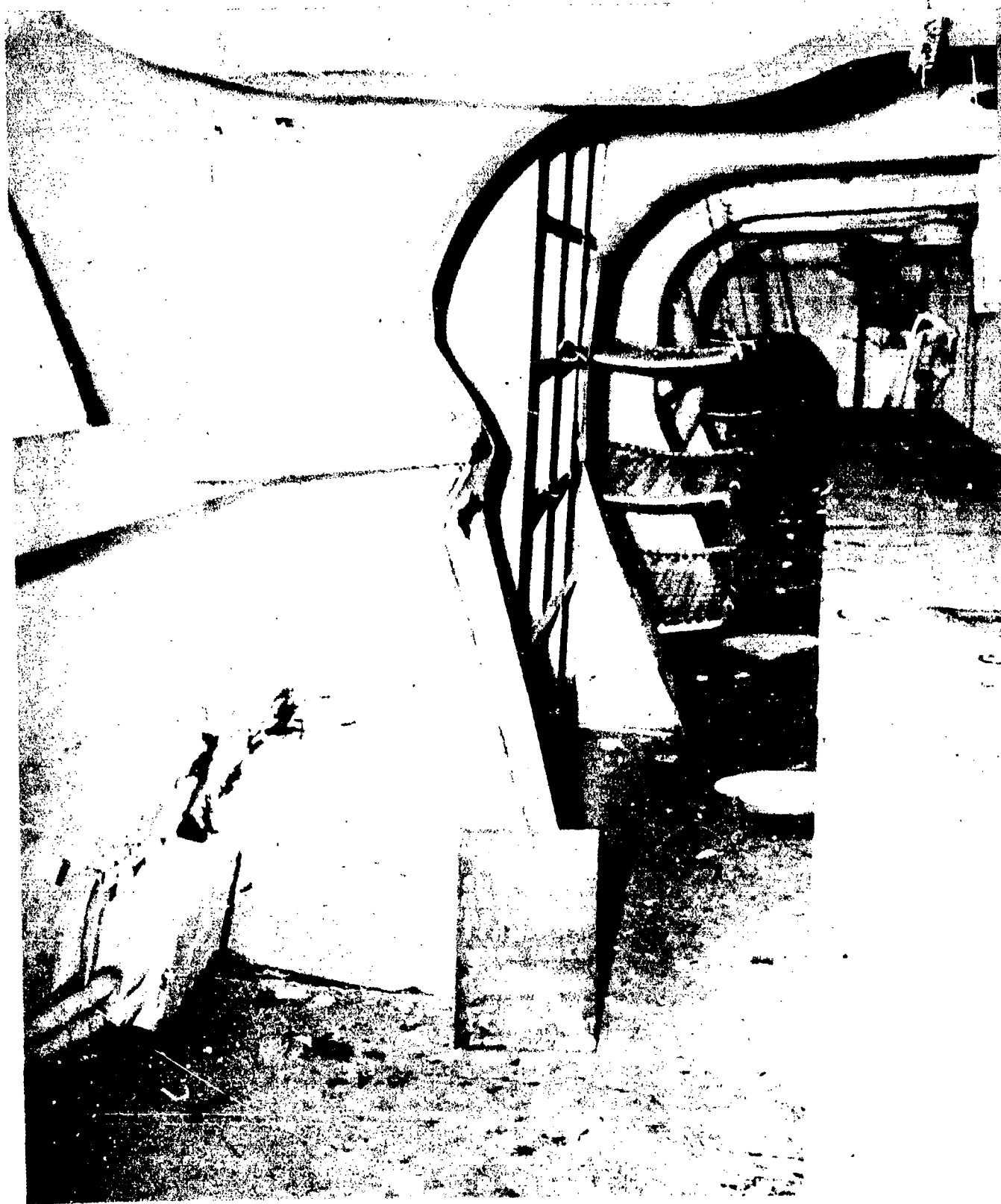


AA-CR-59-2088-12. Third deck. C-301-L. Looking aft at web frames 108 and 110. port side. These webs are the most forward ones which are damaged. Note paint on web 108, near shell, indicating shell deflections.

SECRET

USS INDEPENDENCE (CVL22)  
Page 663 of 766 Pages

9713



AA-CR-175-2134-2. Third deck, C-301-L, crews messing showing bulged shell and buckled web frame 110. Note failure of weld joining web to 3rd deck. Looking forward and to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 664 of 766 Pages

9713



AB-CR-66-146-4. After Baker. Third deck, C-301-L. Crews messing, showing failure of weld joining web of frame 110 to 3rd deck. Port side, looking outboard and forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 665 of 766 Pages

9713





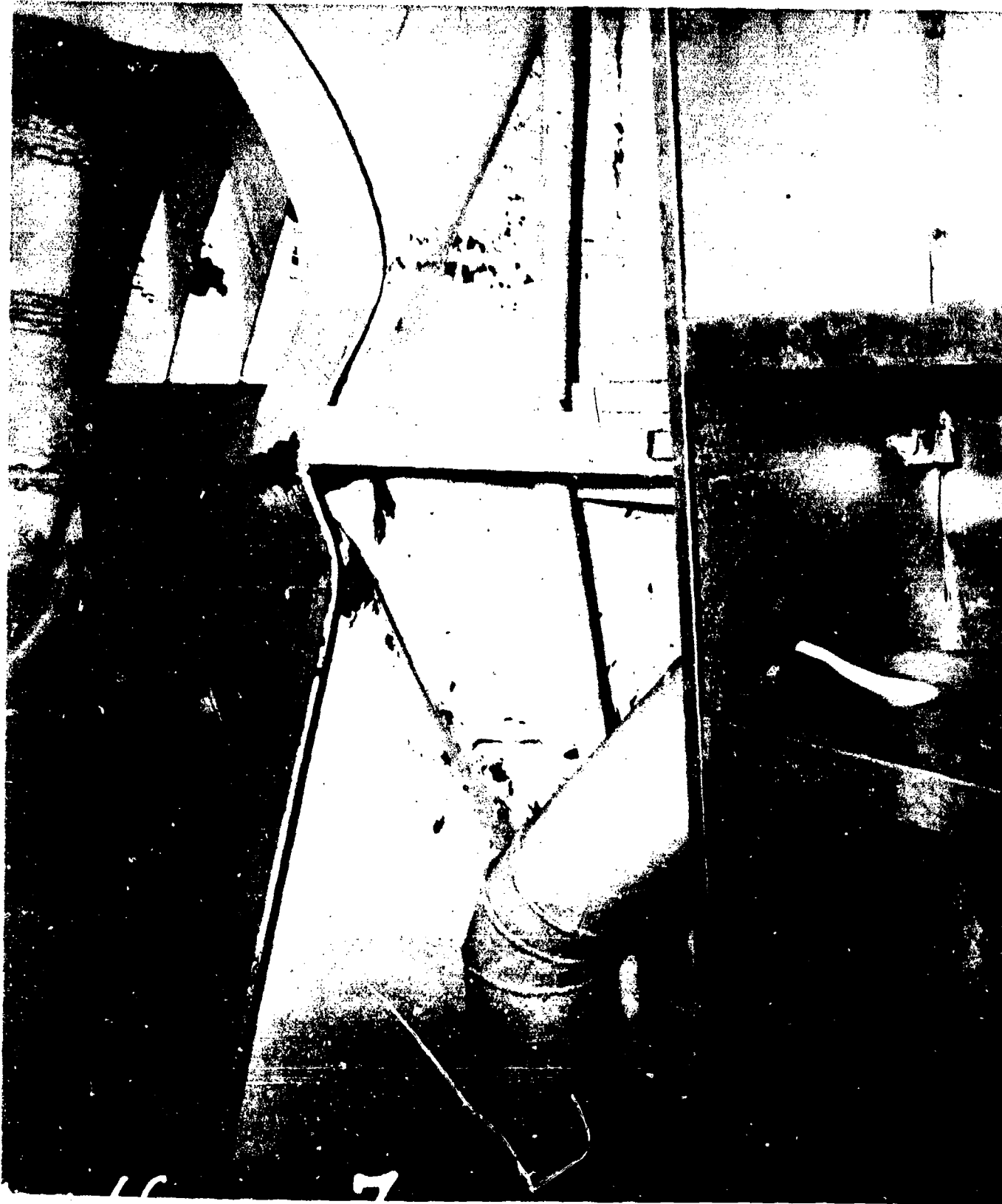
AB-CR-66-146-5. After Baker. Third deck, C-301-L. Crews messing spaces, port side. Detail view showing failure of weld joining web of frame 110 to deck. Looking forward and outboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 666 of 766 Pages

9713



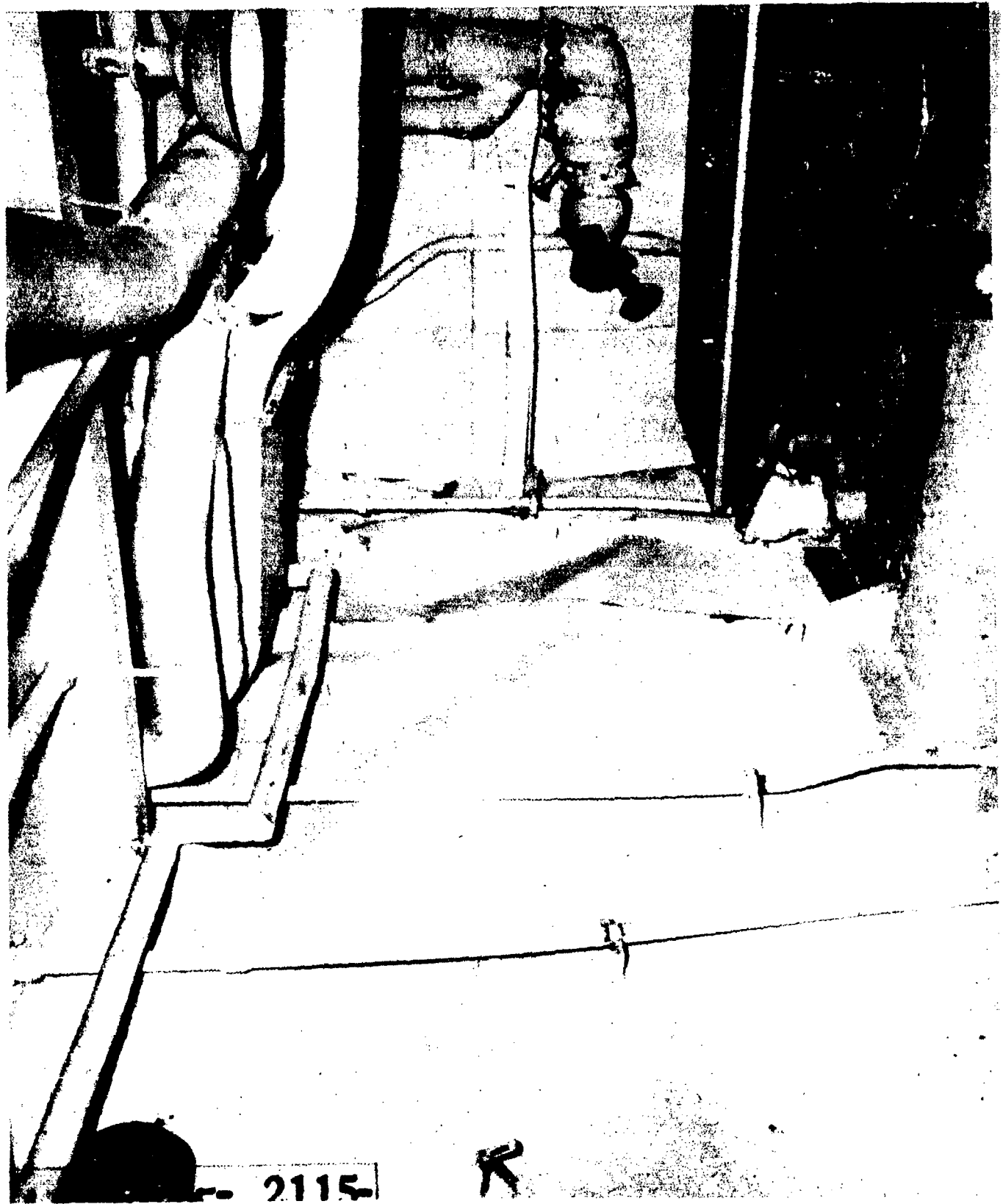
AA-CR-66-146-7. After Baker. Third deck, C-301-L. Detail view of web frame 110, port side, looking aft. No perceptible increase over Test A damage. For condition prior to Test B see 2088-12.

SECRET

USS INDEPENDENCE (CVL22)

Page 667 of 766 Pages

9713



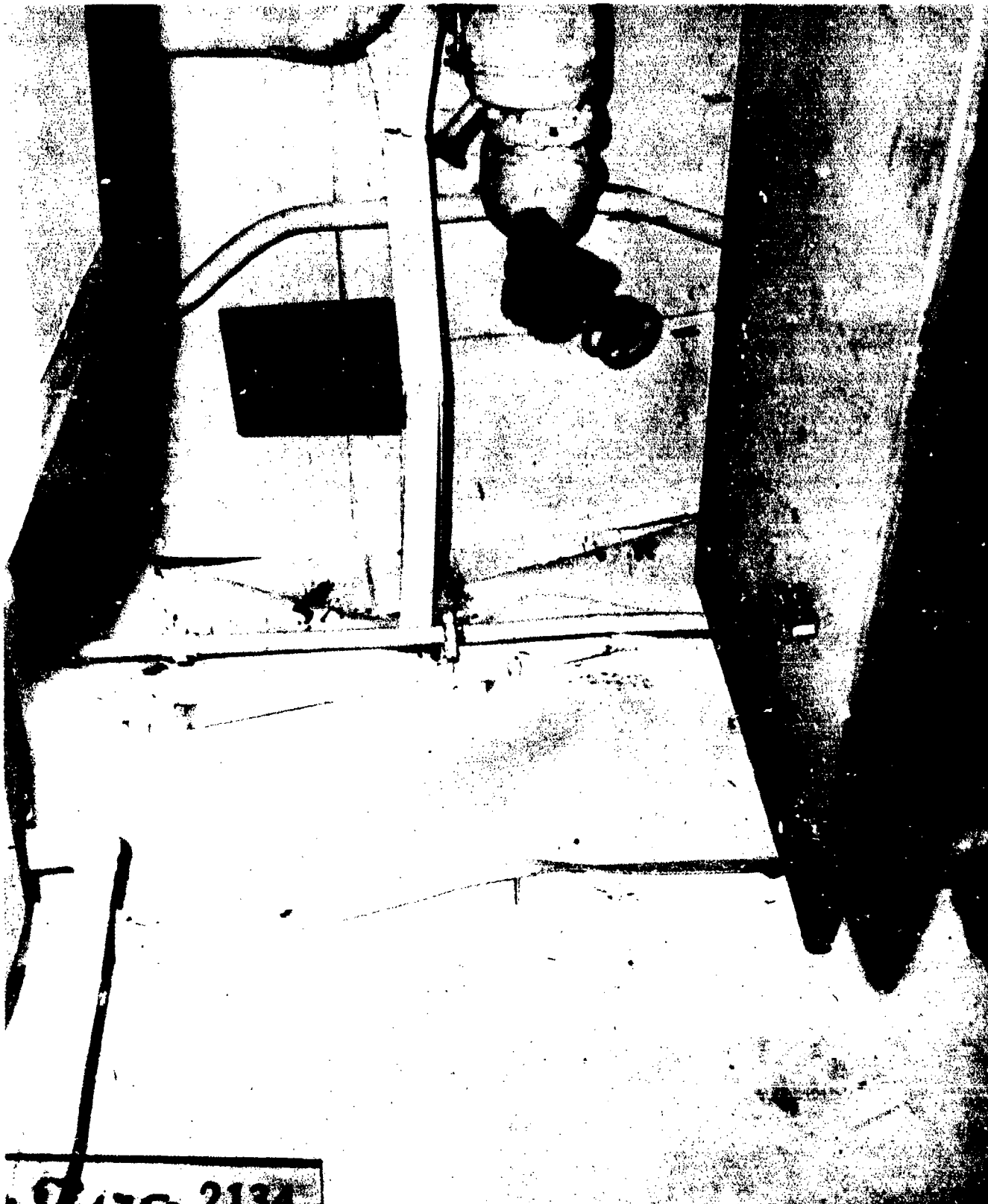
AA-CR-175-2115-4. Third deck, C-301-L, looking to port at shell and aft at forward face of bulkhead 113.

SECRET

USS INDEPENDENCE (CVL22)

Page 668 of 766 Pages

9713



AA-CR-175-2134-1. Third deck, C-301-L. Looking to port and aft at bulkhead 113.

SECRET

USS INDEPENDENCE (CVL22)  
Page 669 of 766 Pages

9713



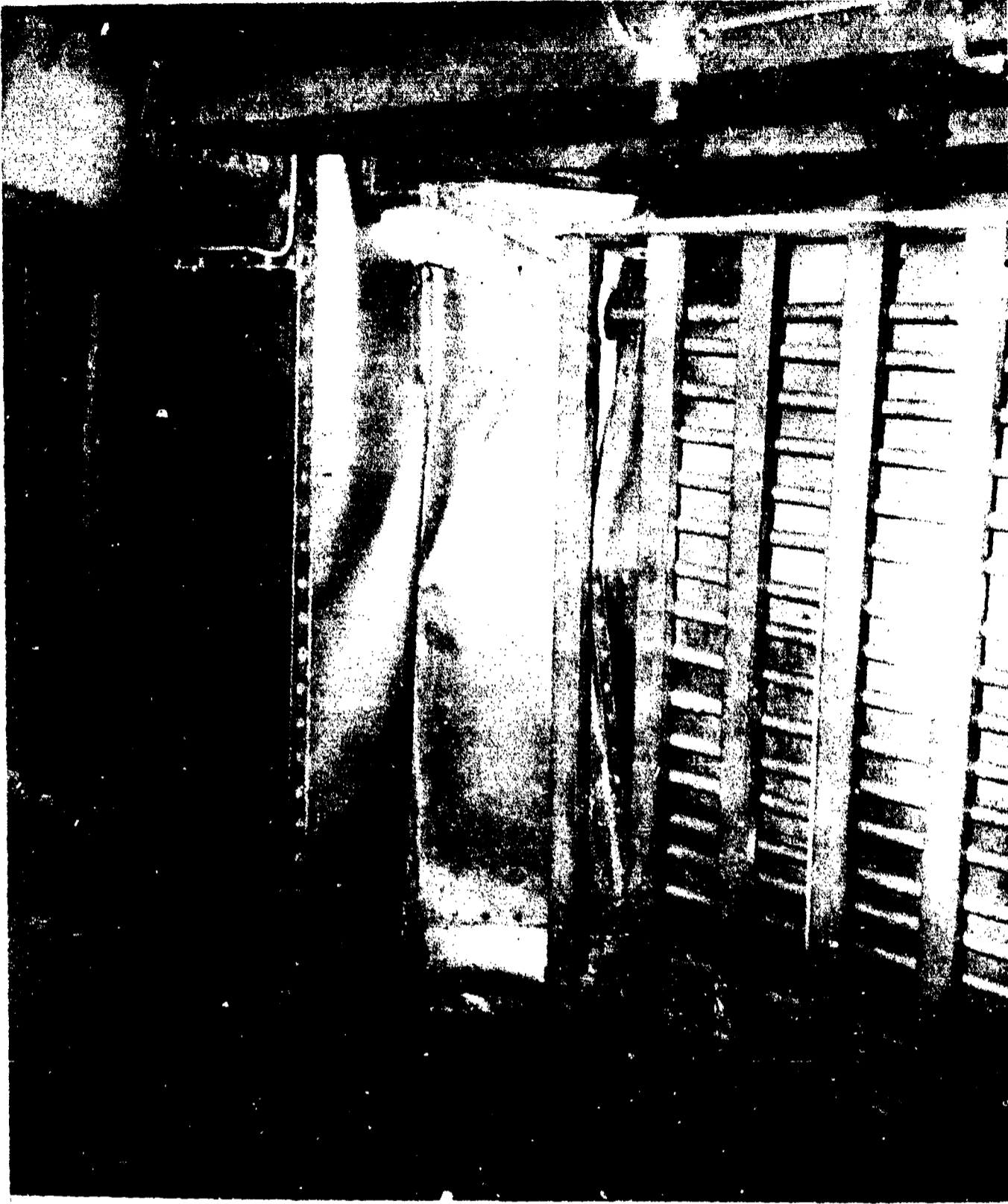
AB-CR-66-146-6. After Baker. Third deck, C-301-L. Detail view looking to port and aft at bulkhead 113. No perceptible increase over Test A damage. For condition prior to Test B see 2115-4.

SECRET

USS INDEPENDENCE (CVL22)

Page 670 of 766 Pages

9713



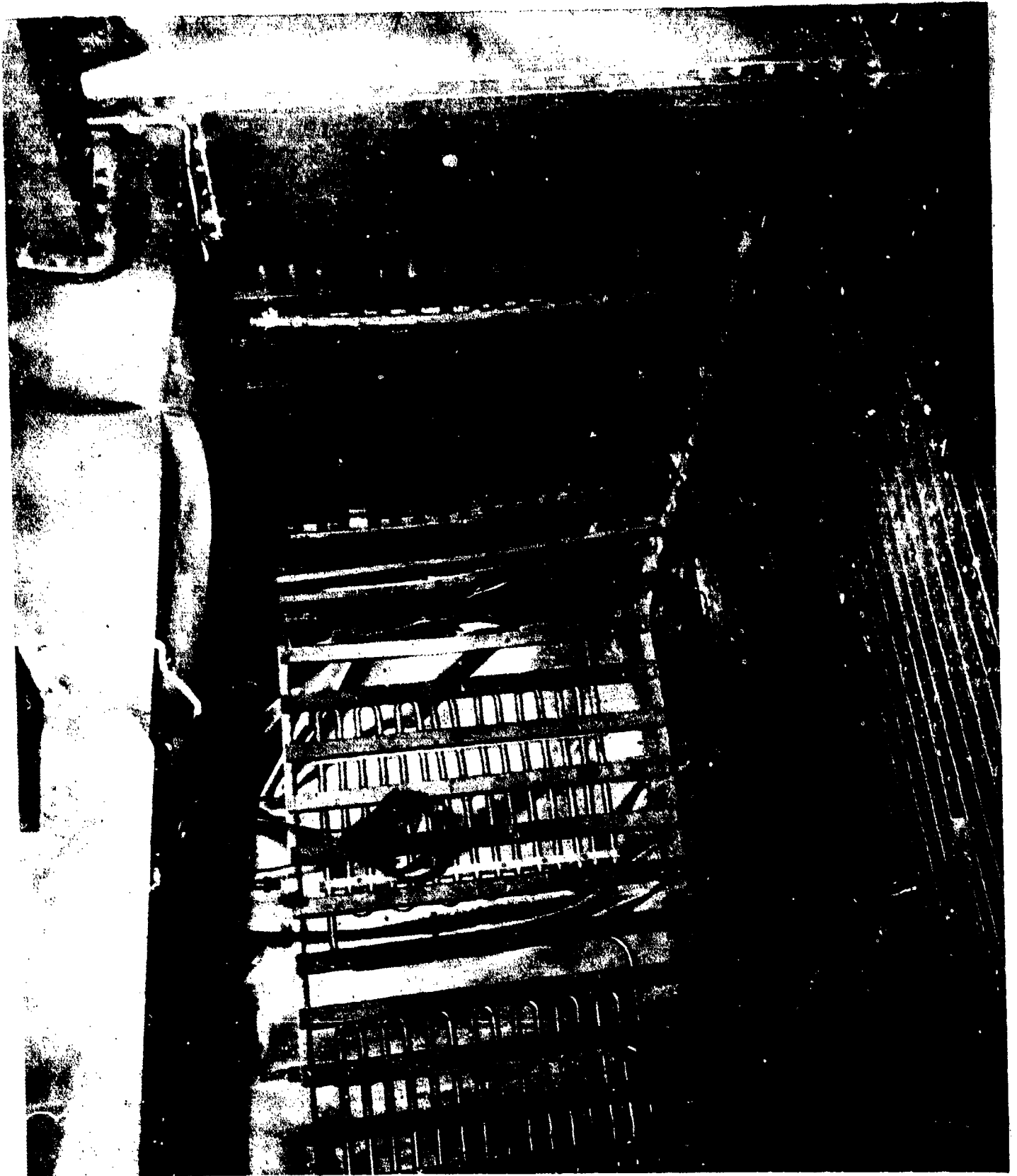
AA-CR-175-2116-1. Third deck. C-307-2A. Port side. Fruit and vegetable locker. Looking at sheathing along port side and around web frame 116.

SECRET

USS INDEPENDENCE (CVL22)

Page 671 of 766 Pages

9713



AA-CR-175-2116-2. Third deck. C-307-2A. Sheathing in fruit and vegetable locker. Looking aft at bulkhead 119 and to port from frame 114.

SECRET

USS INDEPENDENCE (CVL22)  
Page 672 of 766 Pages

9713



AA-CR-175-2116-3. Third deck. C-308-1A. Looking to port and aft from frame 120. Port corner of bulkhead 123 just visible between columns in left side of picture.

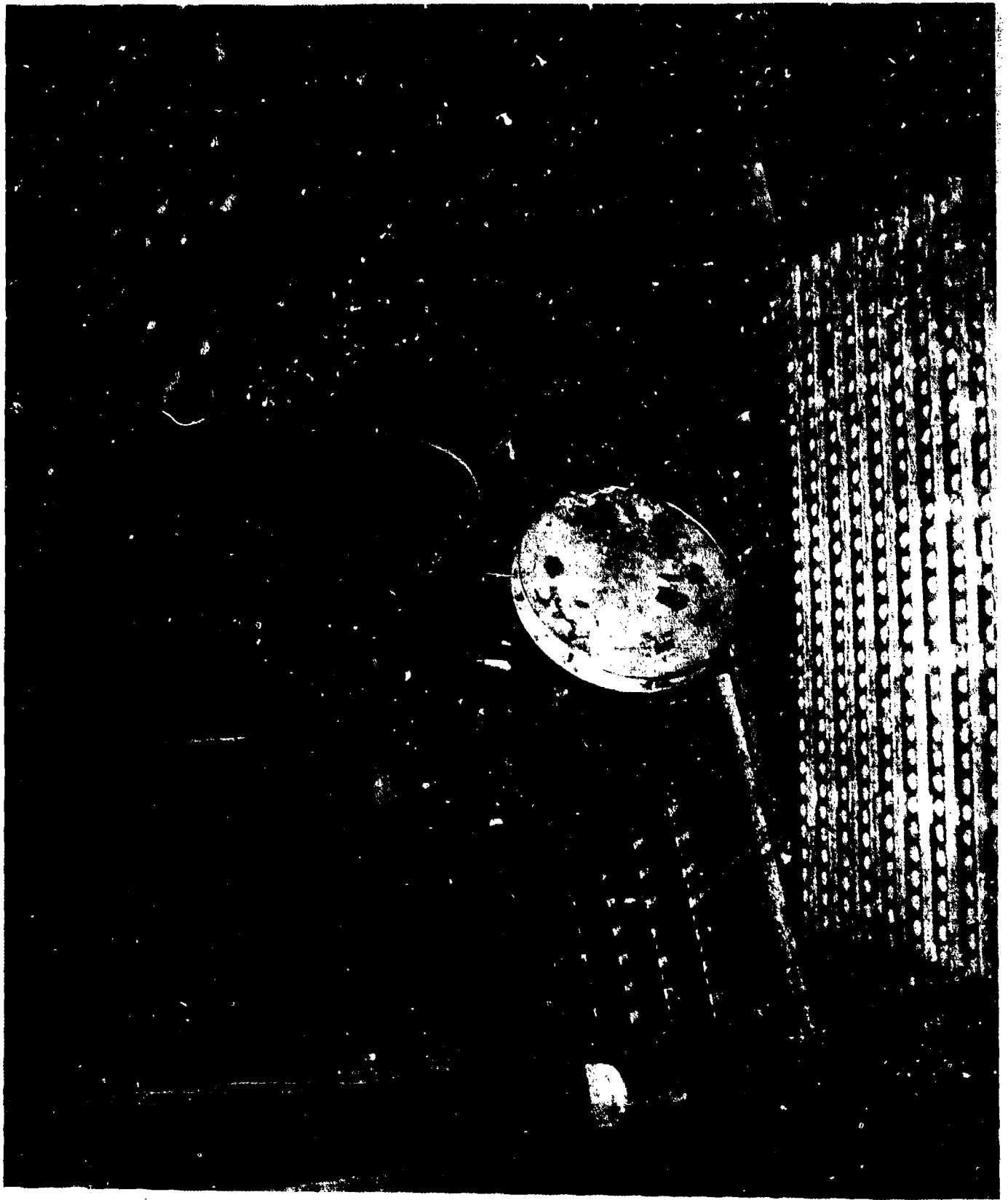
SECRET

USS INDEPENDENCE (CVL22)

Page 673 of 766 Pages

9713





AA-CR-175-2116-4. Third deck. C-308-1A. Looking aft and to starboard from frame 120, at centerline column and overturned air circulator.

SECRET

USS INDEPENDENCE (CVL22)  
Page 674 of 766 Pages

9713



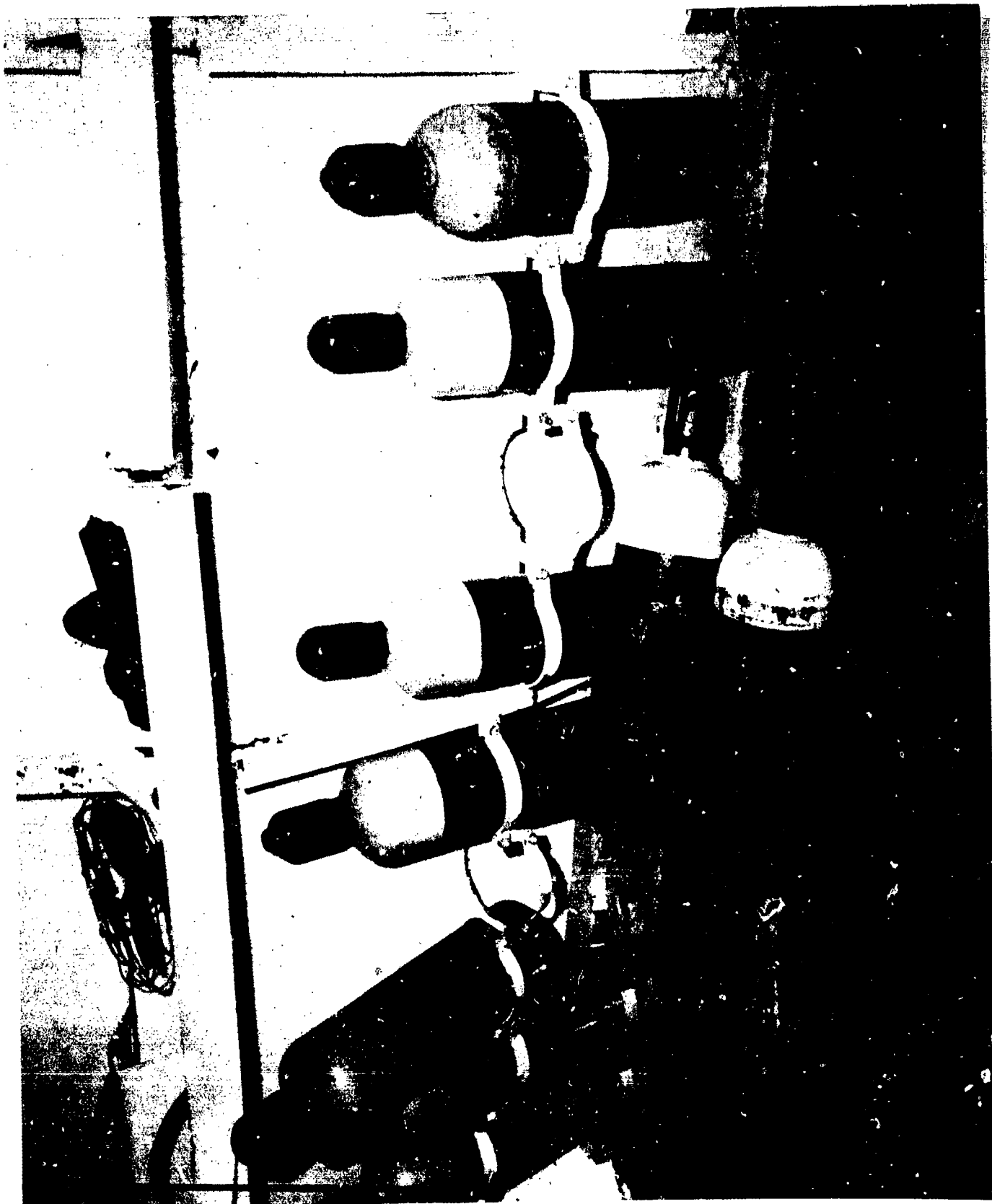
AA-CR-175-2117-1. Third deck, C-308-E. Ice machine room, port side, showing bulged shell and buckled bulkhead and deck at frame 123. Looking forward and to port. Note failure of welded butt in shell longitudinal.

SECRET

USS INDEPENDENCE (CVL22)

Page 675 of 766 Pages

9713



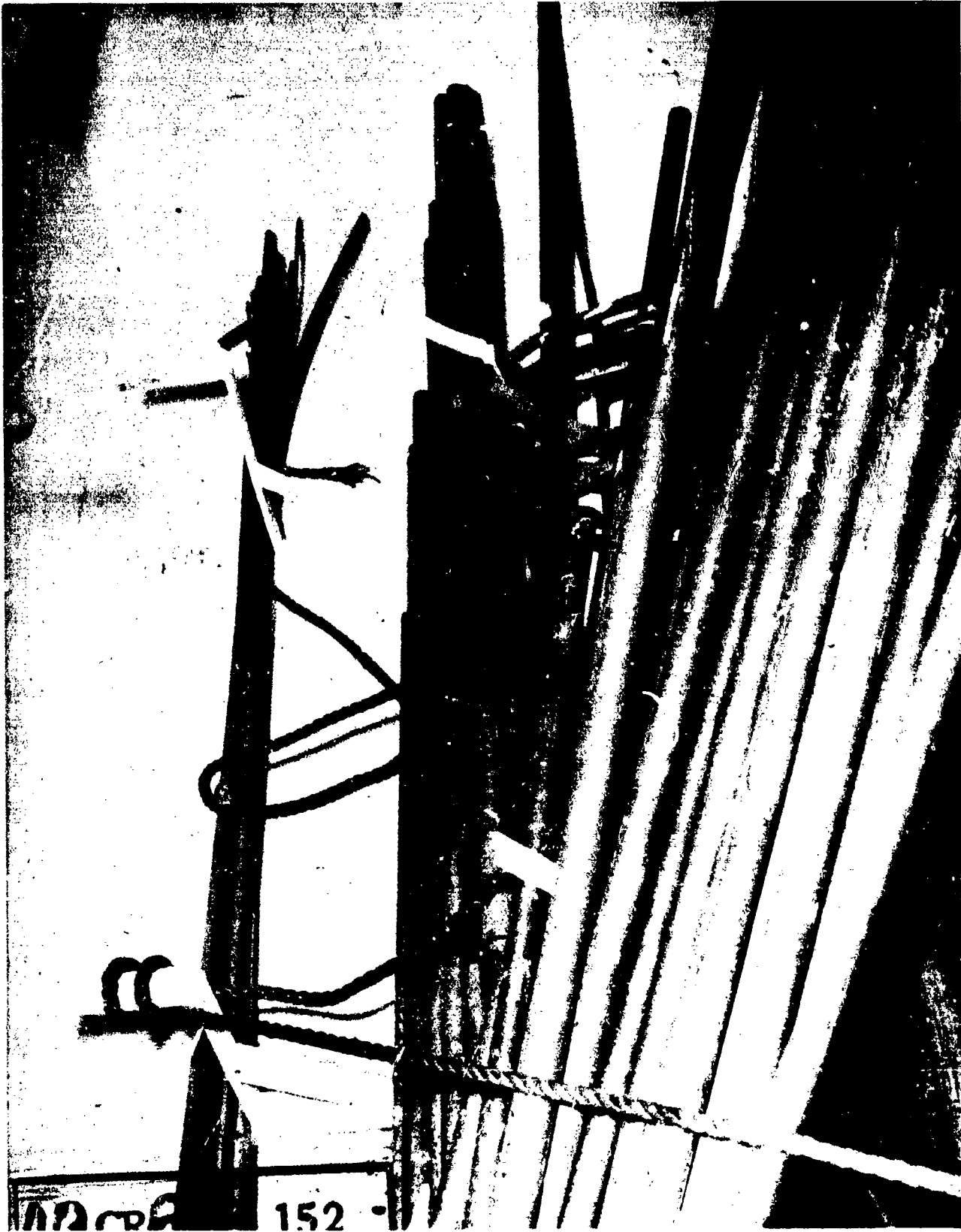
AA-CR-175-2116-12. Third deck, ice machine room, C-308-2E, showing bulged shell, buckled deck and weld failures in shell frames, and longitudinal. Frames 123 to 126, looking outboard to port

SECRET

USS INDEPENDENCE (CVL22)

Page 676 of 766 Pages

9713



AB-CR-66-152-11. After Baker. Third deck, C-308-3A. Frames 124-126, locking to starboard and aft at bulkhead 126.

SECRET

USS INDEPENDENCE (CVL22)

Page 677 of 766 Pages

9713

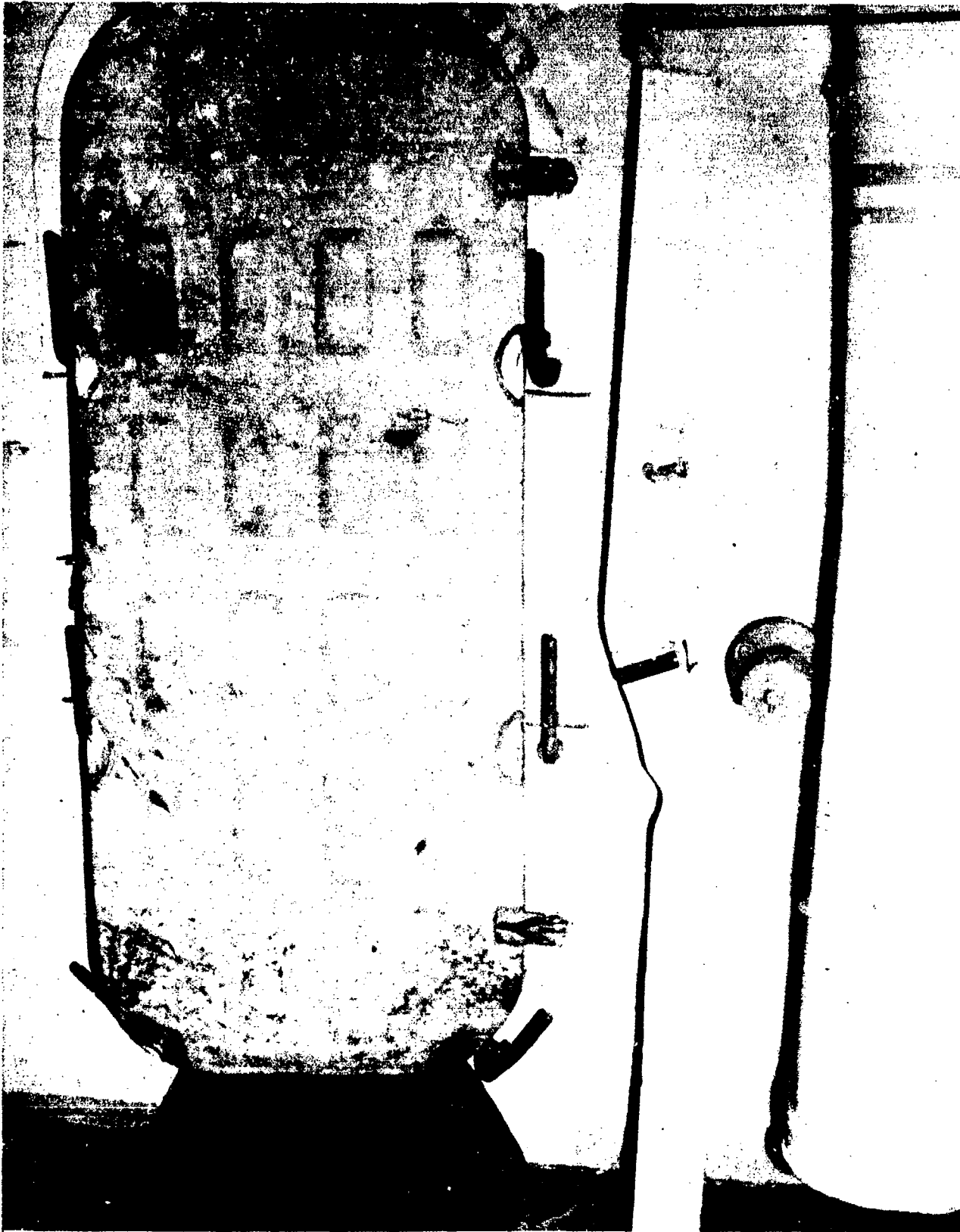


AB-CR-66-152-10. After Baker. Third deck, C-309-L. Bulkhead 126.  
Looking to starboard and forward into compartment C-308-3A. See,  
also, 152-9.

SECRET

USS INDEPENDENCE (CVL22)  
Page 678 of 766 Pages

9713



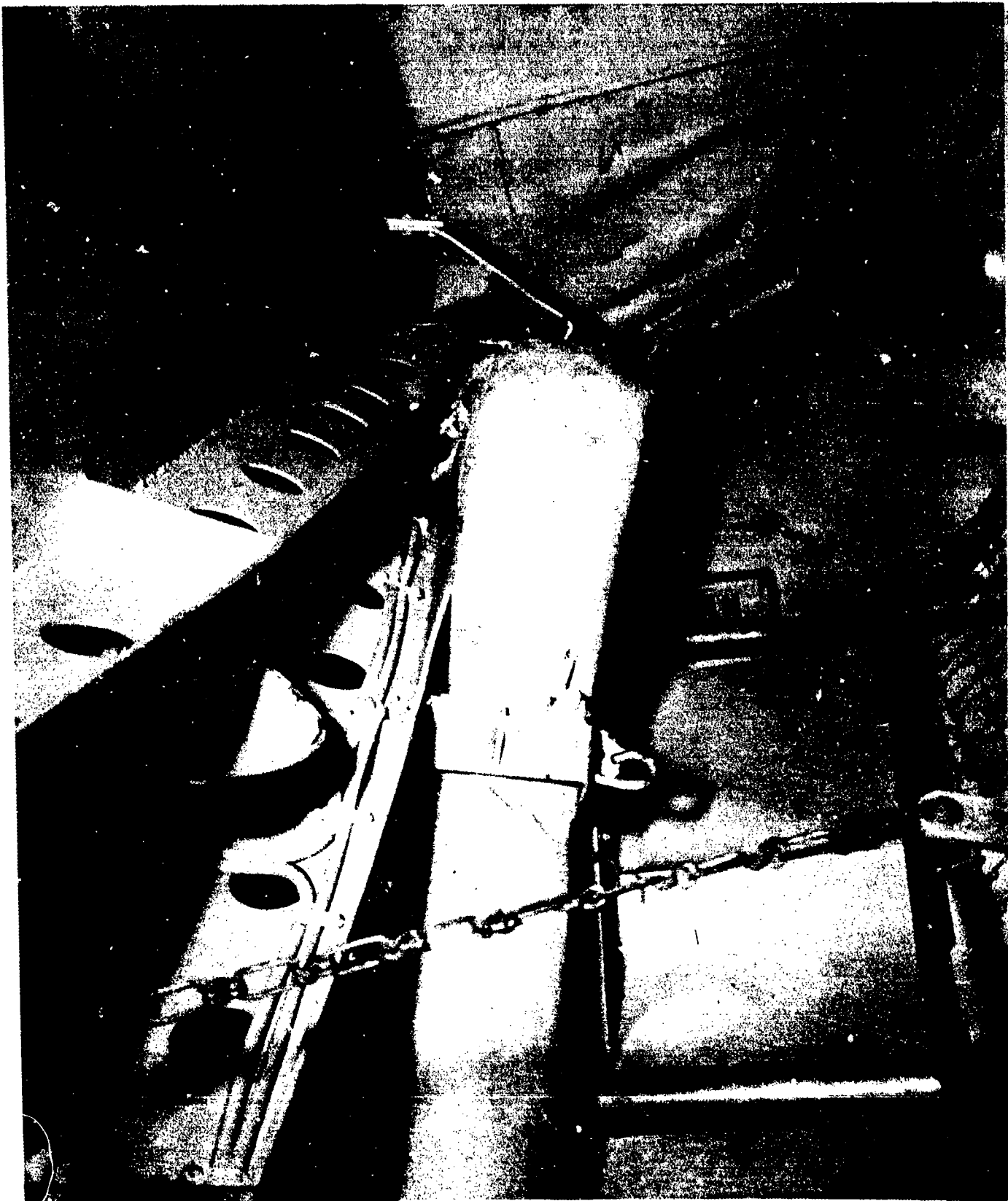
AB-CR-66-152-9. After Baker. Third deck, C-309-L. Bulkhead 126, starboard side, looking forward. Wrinkle runs from high inboard to low outboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 679 of 766 Pages

9713



AA-CR-175-2117-5. Third deck. C-309-L. Second deck longitudinals folded together as port side structure collapsed inward at bulkhead 132. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 680 of 766 Pages

9713



AA-CR-175-2117- 6. Third deck. C-310-L. Aft face of bulkhead 132, port side.

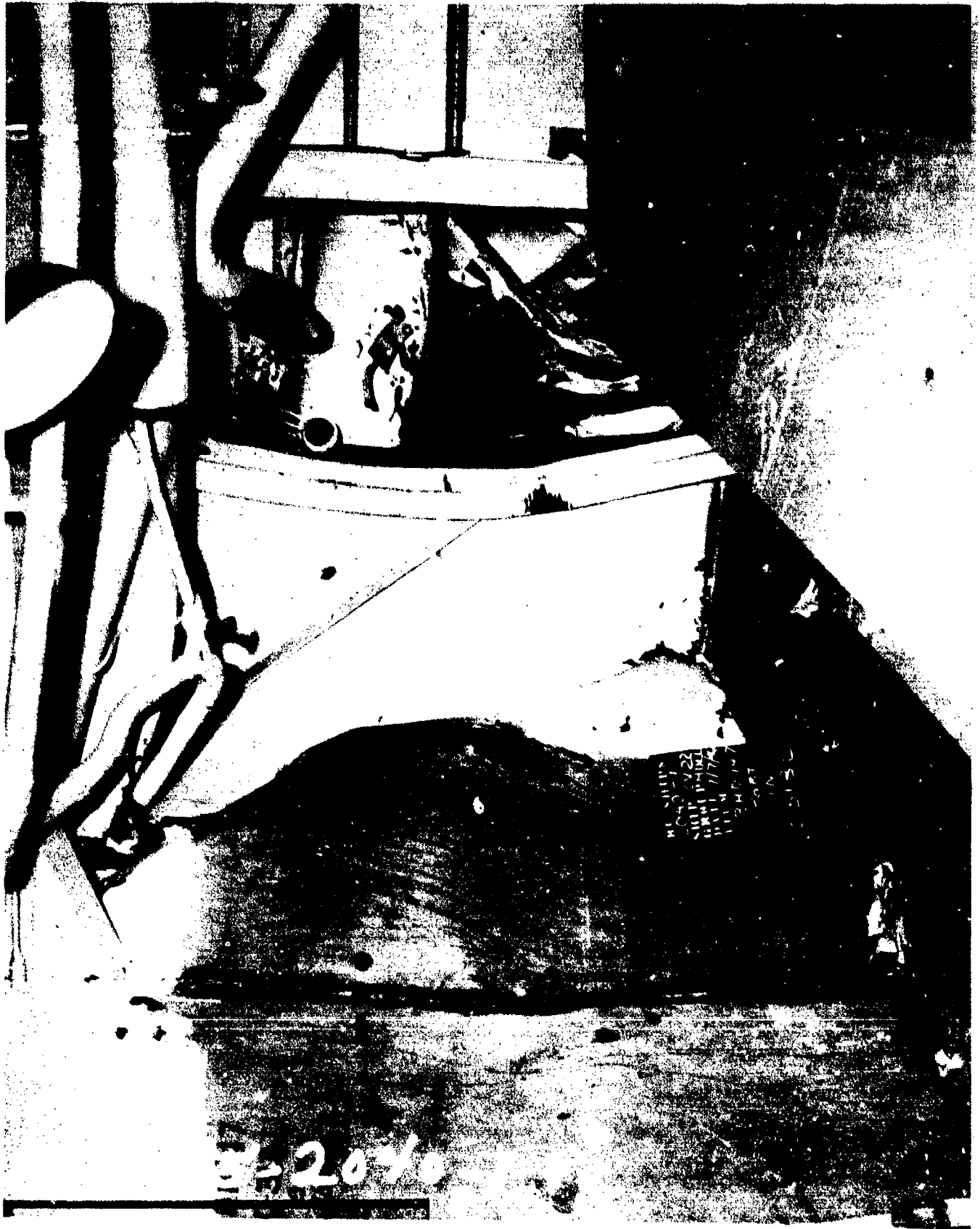
SECRET

USS INDEPENDENCE (CVL22)

Page 681 of 766 Pages

9713





AA-CR-175-2040-1. Third deck, C-313-L. Looking to port at N.T. longitudinal bulkhead and at bulkhead 147.

SECRET

USS INDEPENDENCE (CVL22)  
Page 682 of 766 Pages

9713



AA-CR-62-2172-5. Temporary uptake and stack from hangar deck.

SECRET

USS INDEPENDENCE (CVL22)

Page 683 of 766 Pages

9713



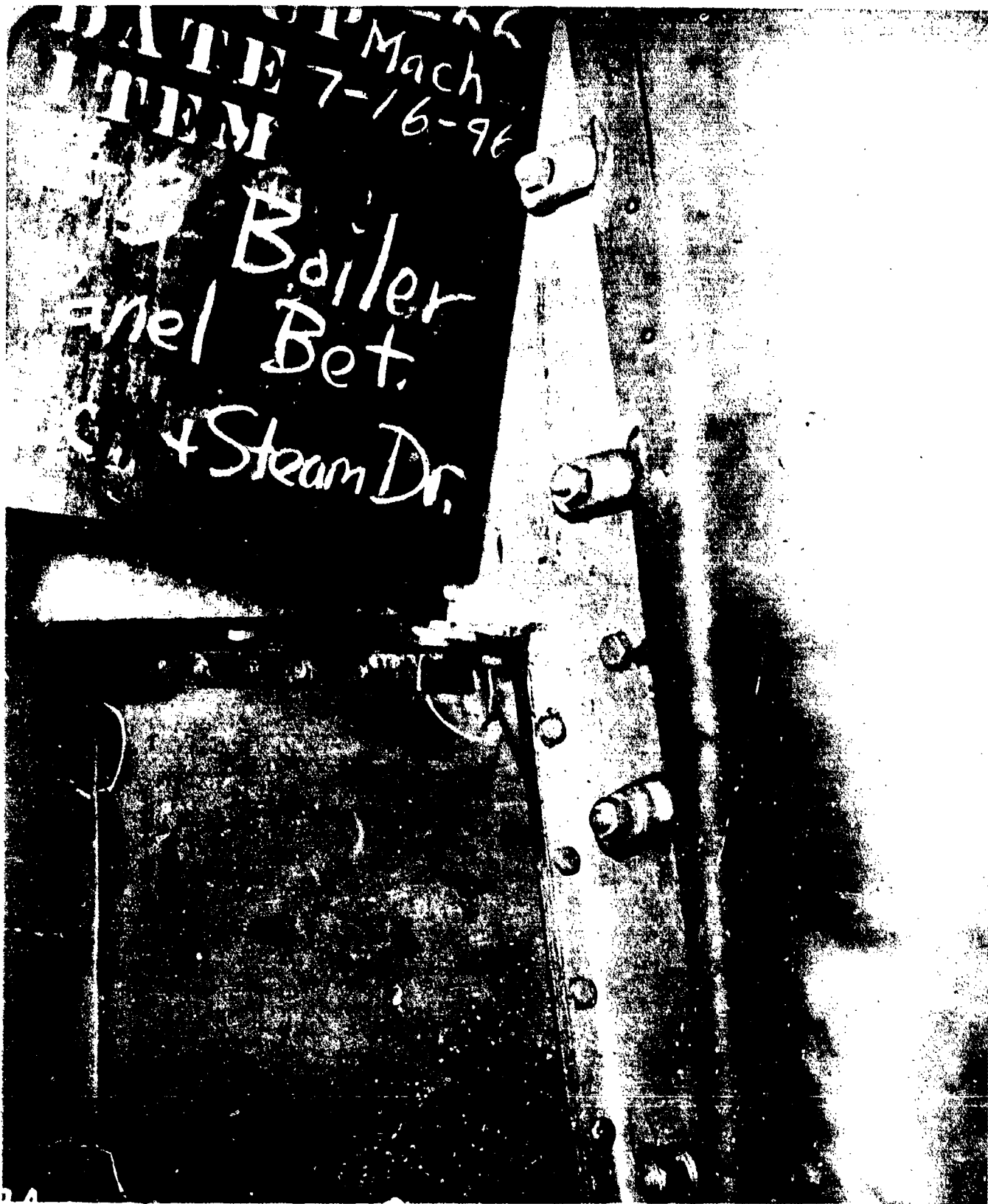
AA-CR-62-2172-6. Temporary stack, outboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 684 of 766 Pages

9713



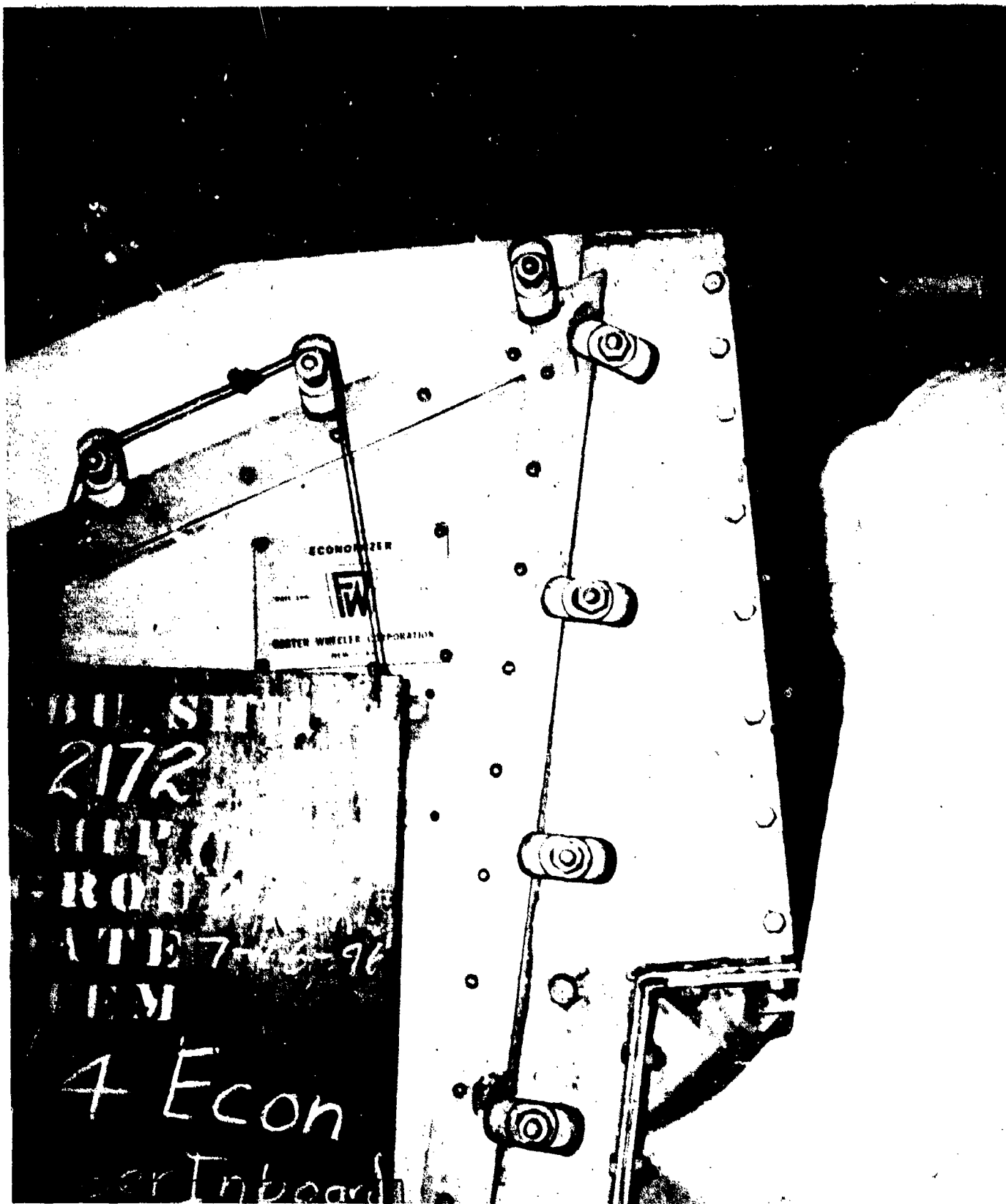
AA-CR-62-2172-8. #3 Boiler panel, between economizer and steam drum.

SECRET

USS INDEPENDENCE (CVL22)

Page 685 of 766 Pages

9713



AA-CR-62-2172-7. Economizer, upper front inboard corner.

SECRET

USS INDEPENDENCE (CVL22)  
Page 686 of 766 Pages

9713



AA-CR-62-1880-2. #1 Uptake between hangar and flight deck.

SECRET

USS INDEPENDENCE (CVL22)

Page 687 of 766 Pages

9713



AA-CR-62-1880-3. #3 Uptake between hangar and flight deck.

SECRET

USS INDEPENDENCE (CVL22)

Page 688 of 766 Pages

9713



AA-CR-62-1880-4. #4 Uptake between hangar and flight deck.

SECRET

USS INDEPENDENCE (CVL22)

Page 689 of 766 Pages

9713





AA-CR-62-1880-5. #1 stack, picture taken from flight deck.

SECRET

USS INDEPENDENCE (CVL22)  
Page 690 of 766 Pages

9713



AA-CR-62-1880-6. #2 Stack, picture taken from flight deck.

SECRET

USS INDEPENDENCE (CVL22)  
Page 691 of 766 Pages

9713

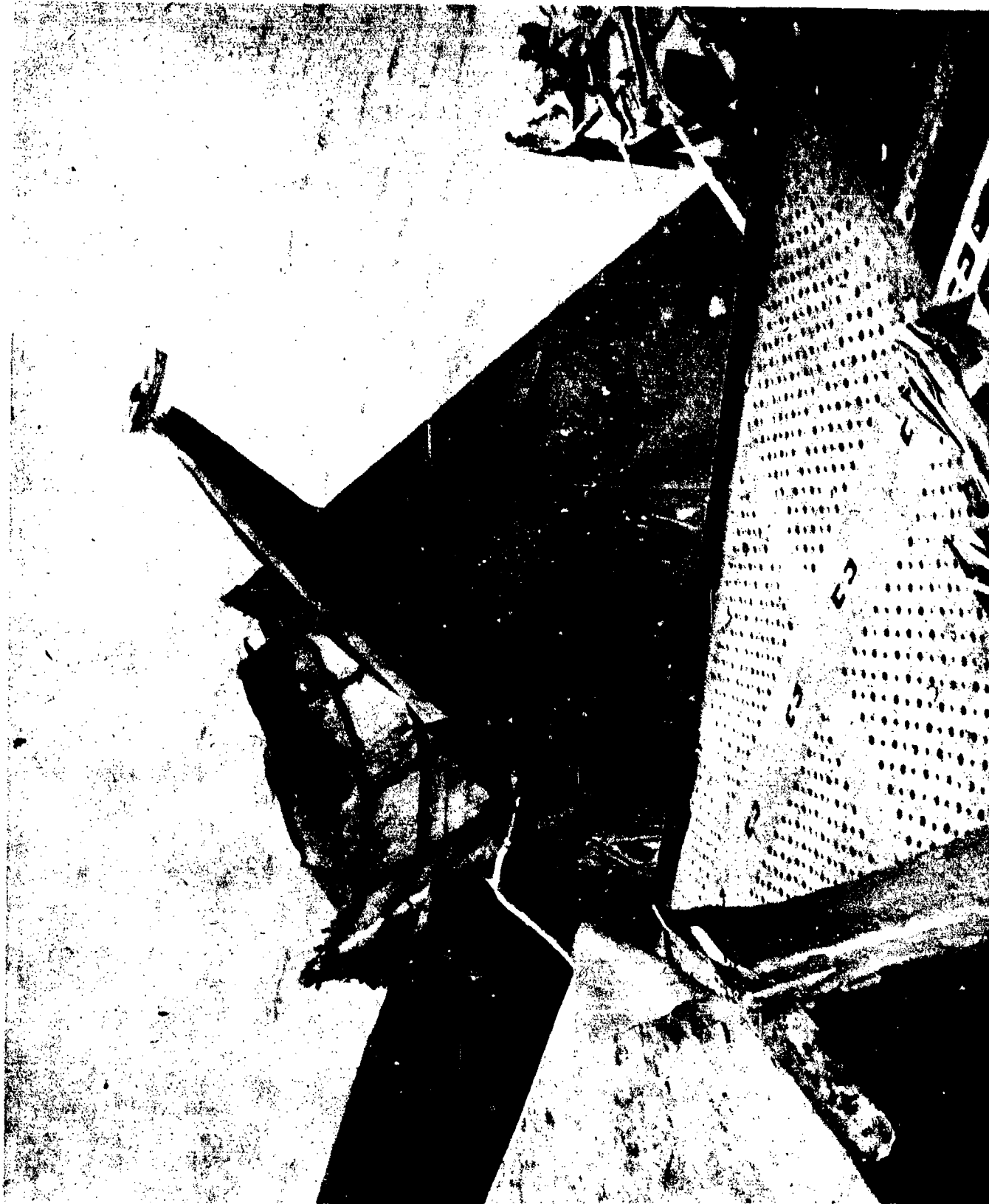


AA-CR-62-1880-7. #3 Stack, picture taken from flight deck.

SECRET

USS INDEPENDENCE (CVL22)  
Page 692 of 766 Pages

9713



AA-CR-62-1880-8. #4 Stack, picture taken from flight deck.

SECRET

USS INDEPENDENCE (CVL22)  
Page 693 of 766 Pages

9713



AA-CR-175-2037-1. Base of boat crane at flight deck.

SECRET

USS INDEPENDENCE (CVL22)

Page 694 of 766 Pages

9713

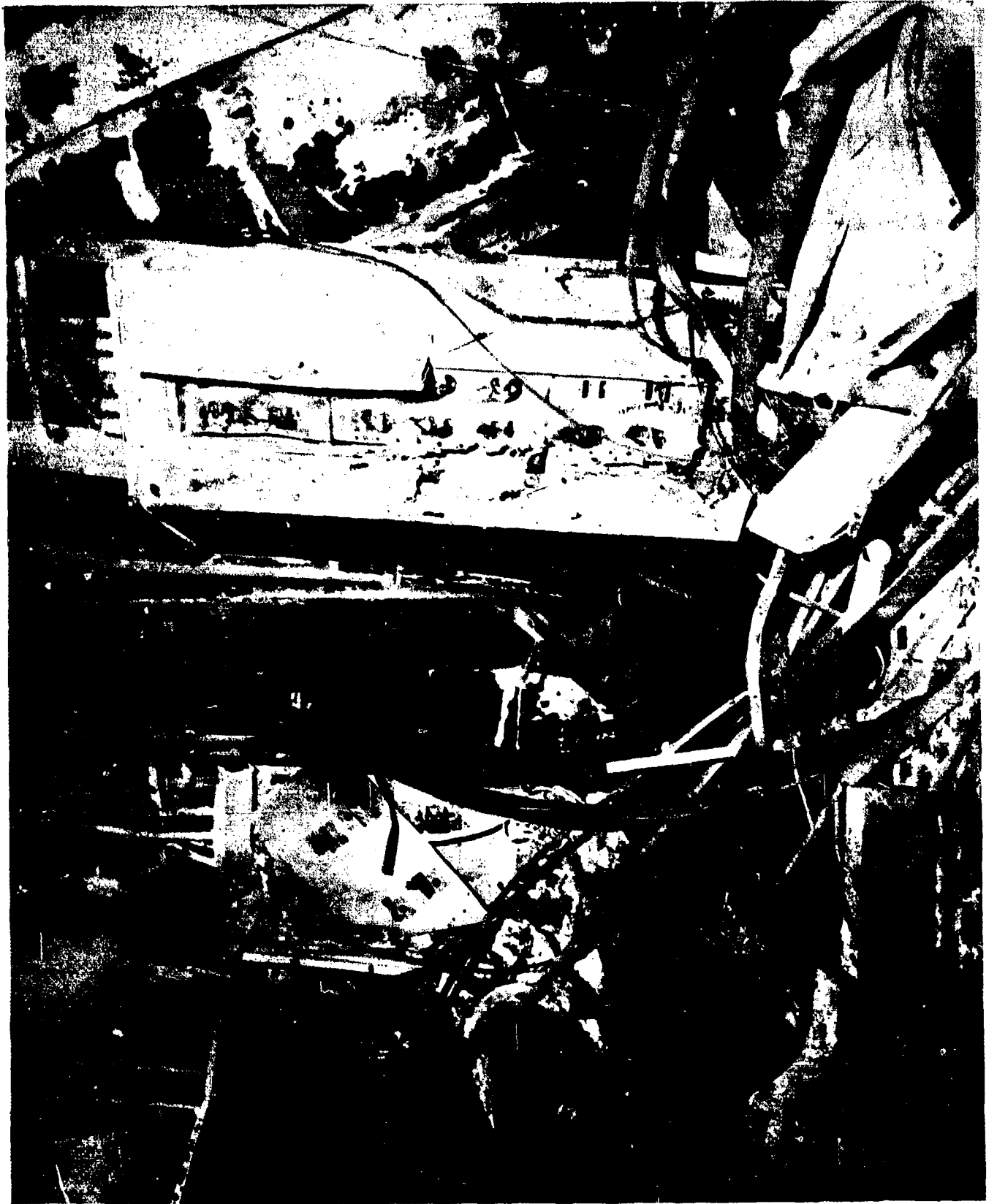


AA-CR-175-2037-2. Boat crane, lower bearing.

SECRET

USS INDEPENDENCE (CVL22)  
Page 695 of 766 Pages

9713



AA-CR-82-1919-1. One power panel and two lighting distribution panels which were destroyed by fire and blast pressure located between frames 133 and 135 port side main deck. View looking inboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 696 of 766 Pages

9713



AA-CR-82-1916-7. Power panel 2-94-1 mounted on angle bar extending from deck to deck frame 94 on second deck. Support buckled and cable partially pulled out of enclosure due to deflection in deck, view looking aft and inboard.

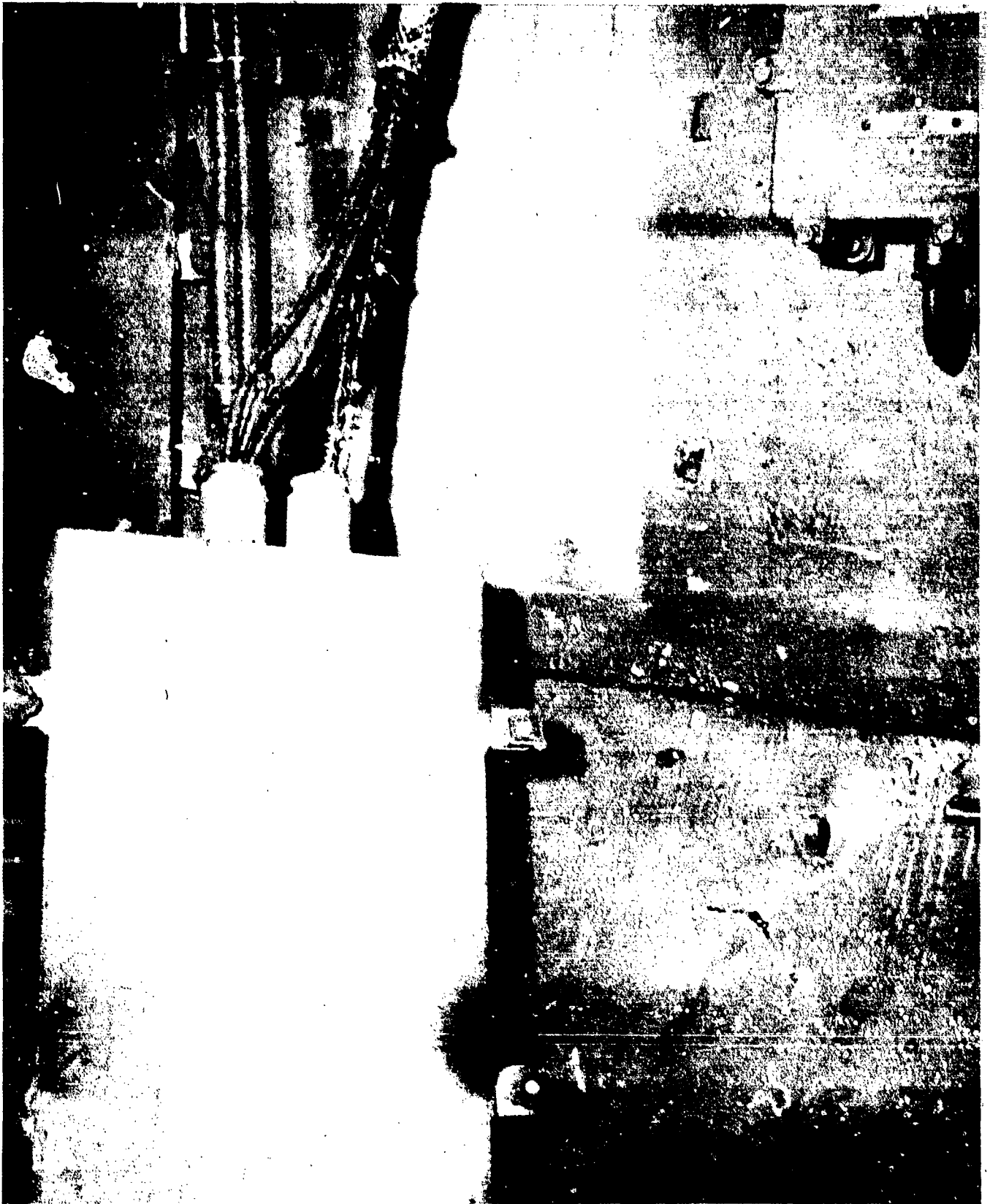
SECRET

USS INDEPENDENCE (CVL22)

Page 697 of 766 Pages

9713



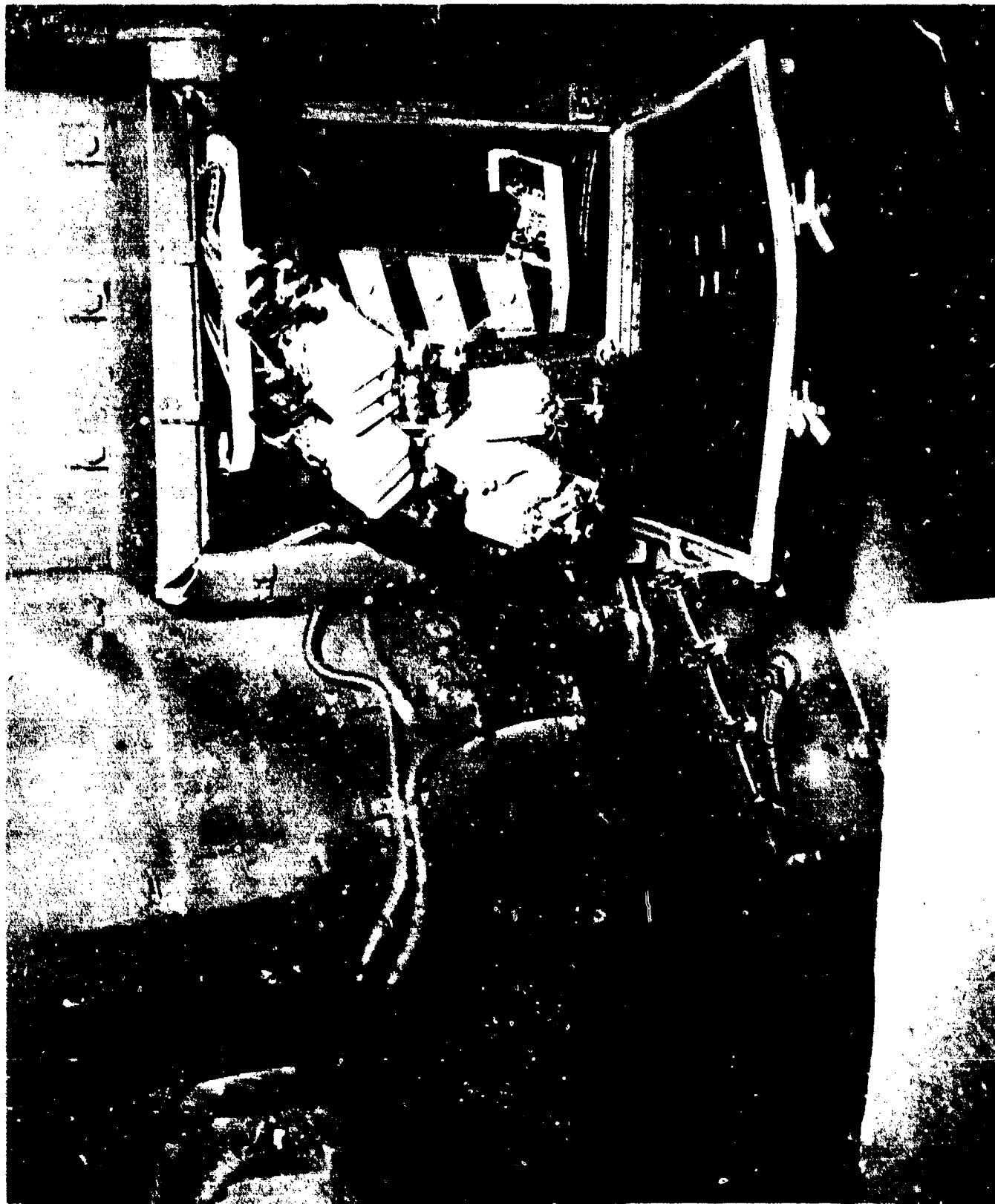


AA-CR-62-1881-7. Manual transfer switch located frame 103 starboard side galley deck in crew shelter. Welding pads sheared and left box hanging by cable, view looking aft.

SECRET

USS INDEPENDENCE (CVL22)  
Page 698 of 766 Pages

9713



AA-CR-62-1881-6. Damaged transformer and power panel # 3-101-1 on gallery deck level frame 103 starboard in gun crew shelter, view looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 699 of 766 Pages

9713



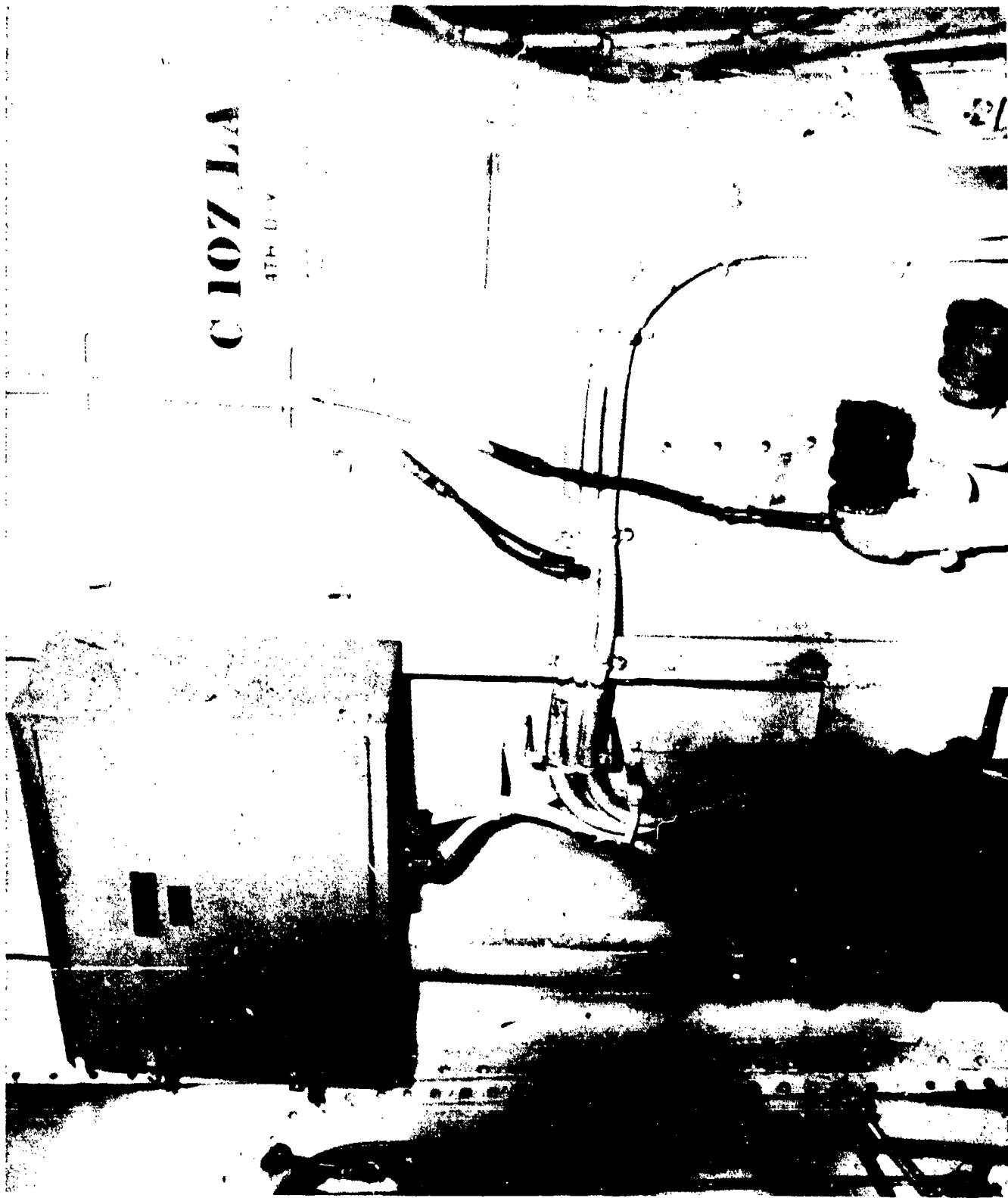
AA-CR-82-1916-6. Lighting distribution panel 2-72-2 mounted on angle bar extending from deck to deck frame 71 starboard side second deck. Supports buckled and cable partially pulled out of panel due to deflection in deck. View looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 700 of 766 Pages

9713



AA-CR-82-1918-12. Cable left hanging after a single phase transformer for 40MM machine gun system was dislodged from bulkhead by bomb blast pressure. Power panel and transfer switch were subjected to heat from fire in adjacent compartment. View looking aft to frame 136 main deck.

SECRET

USS INDEPENDENCE (CVL22)

Page 701 of 766 Pages

9713



AA-CR-234-1985-9. Lighting transfer switch at frame 126 starboard side gallery deck. Cable partically pulled out of enclosure and supports distorted. View looking forward and inboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 702 of 766 Pages

9713



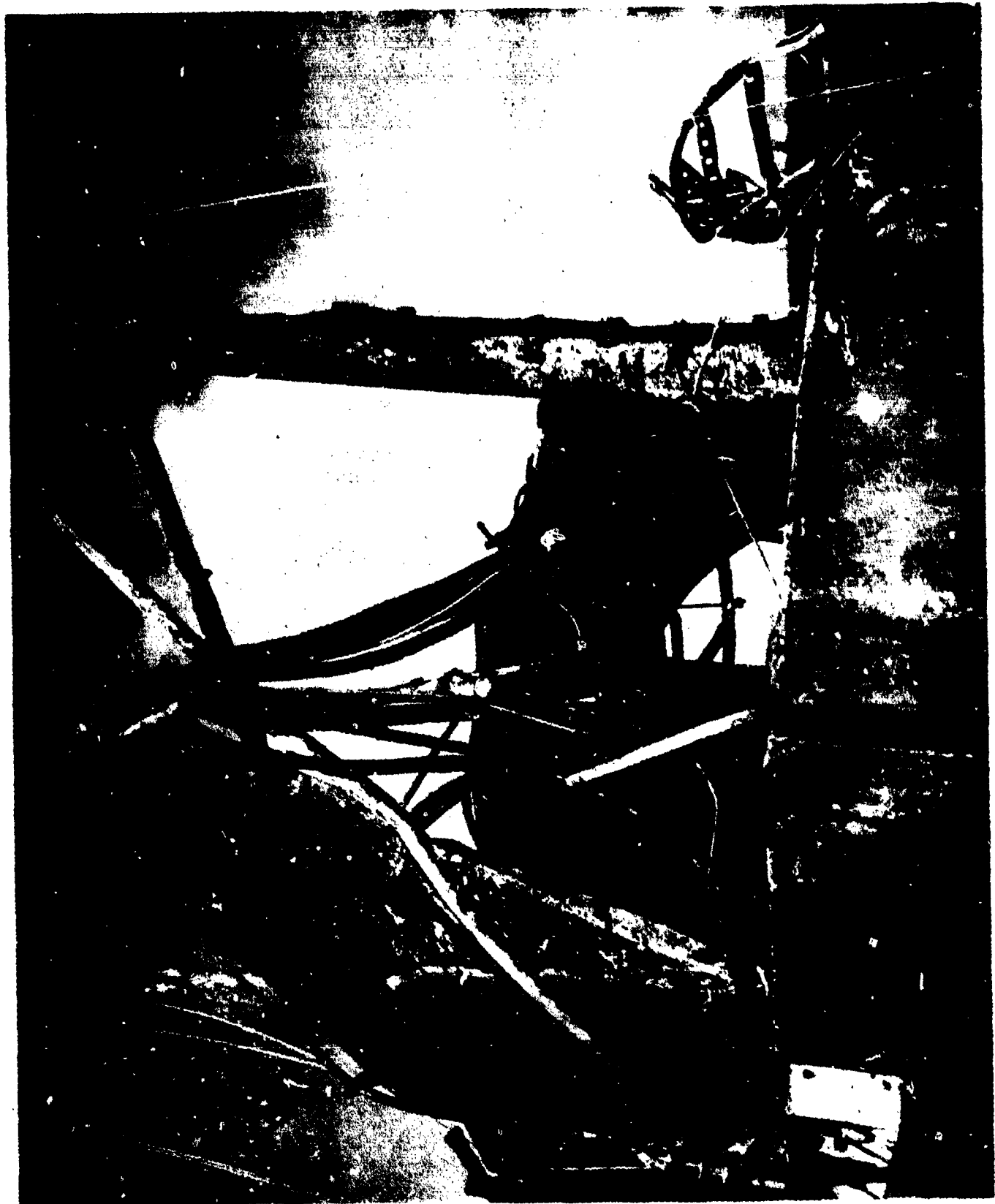
AA-CR-234-1989-12. Damage to a MHFA-44 cable. Note sheath and conductors blown out. Located on top of air defense station.

SECRET

USS INDEPENDENCE (CVL22)

Page 703 of 766 Pages

9713



AA-CR-62-1881-3. The cables to equipment on main battery fire control station and above were severed when the structure was blown over side of the ship, view looking forward.

SECRET

USS INDEPENDENCE (CVL22)  
Page 704 of 766 Pages

9713



AA-CR-82-1920-1. Wireway under flight deck. Deck separated at expansion joint. Only two or three cables severed. Frame 112P side view looking down and outboard from flight deck.

SECRET

USS INDEPENDENCE (CVL22)

Page 705 of 766 Pages

9713





AA-CR-82-1917-9. Vertical wireway through hangar deck frame 92 port side hangar space cable damage due to deflection of bulkhead inboard. View looking aft.

SECRET

USS INDEPENDENCE (CVL33)

Page 706 of 766 Pages

9713



AA-CR-234-1989-3. Damage to degaussing coil cable under flight deck, frame 135 port side.

SECRET

USS INDEPENDENCE (CVL22)

Page 707 of 766 Pages

9713



AA-CR-82-1916-9. Cable through lighting hole in girder frame 122, port side second deck. Cable damaged due to buckle in girder view looking up and aft.

SECRET

Page 708 of 766 Pages

USS INDEPENDENCE (CVL22)

9713



AA-CR-82-1917-2. Cable through lightening hole in girder on 2nd deck, frame 116 port side. Damaged due to buckle in girder web. View looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 709 of 766 Pages

9713



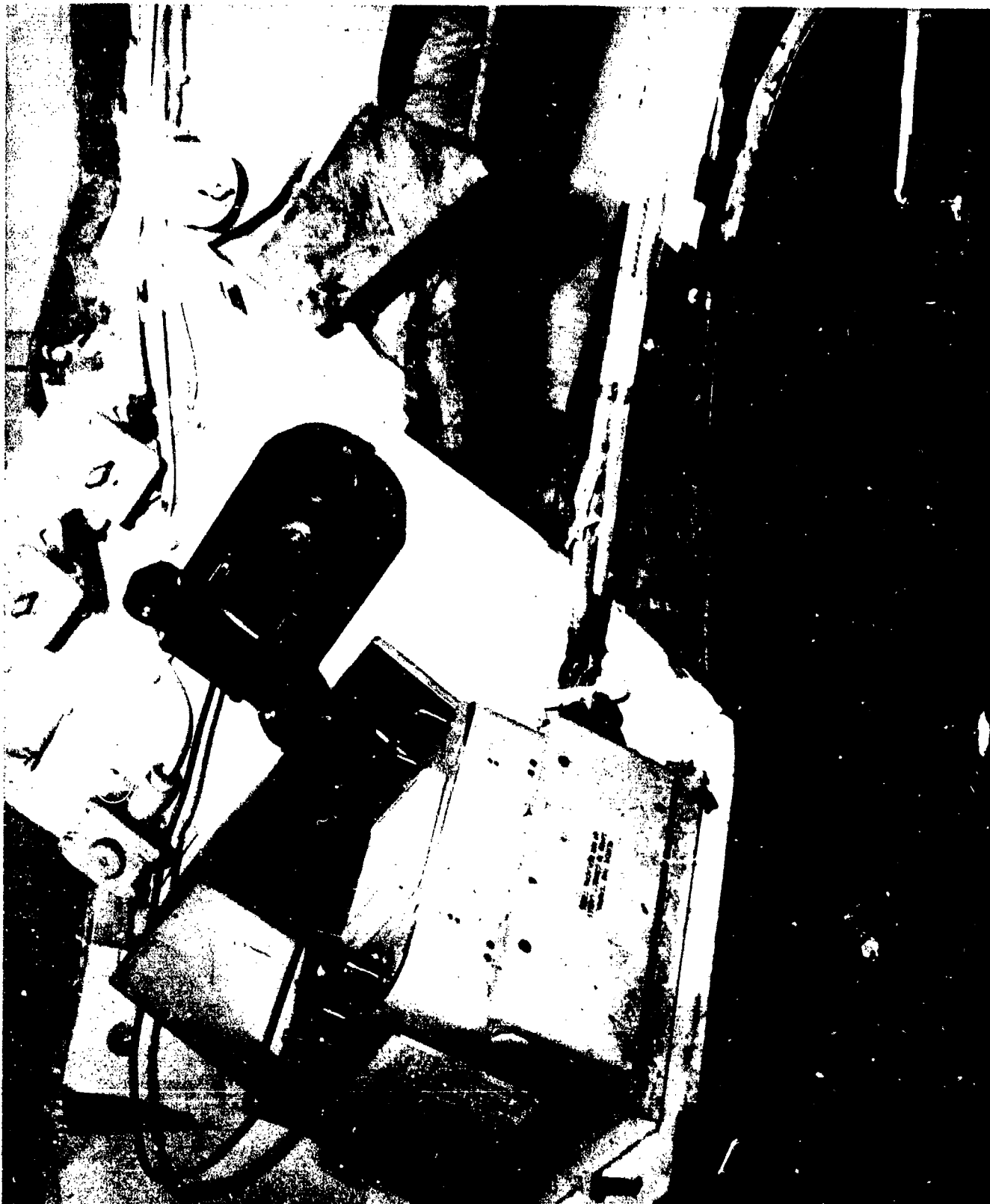
AA-CR-82-1916-3. Stuffing tube area through bulkhead 49 port side, second deck, break in cable due to deflection of tube area, view looking up and forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 710 of 766 Pages

9713



AA-CR-82-1920-5. Wiring and wiring equipment etc. on metal joiner bulkhead, frame 40 port side galley deck. Damage due to failure of bulkhead. View looking aft and to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 711 of 766 Pages

9713



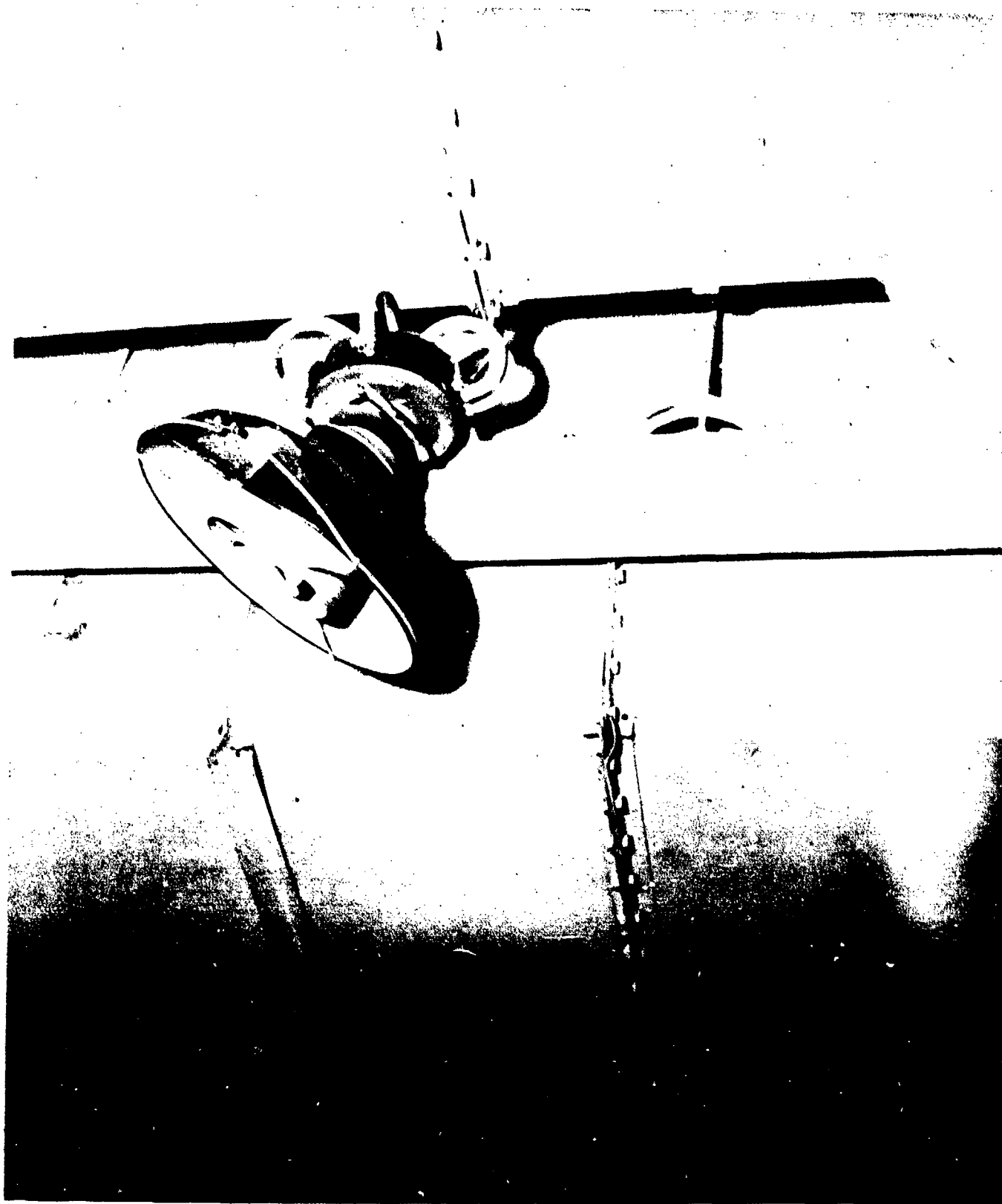
AA-CR-82-1920-6. Wiring and wiring equipment on metal joiner bulkhead, frame 41 port side galley deck. Wiring damaged by bulkhead deflection. View looking to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 712 of 766 Pages

9713



AA-CR-82-1920-7. Type "R-III" lighting fixture in state room frame  
36 starboard side galley deck. Light damaged by falling clothes locker.  
View looking aft.

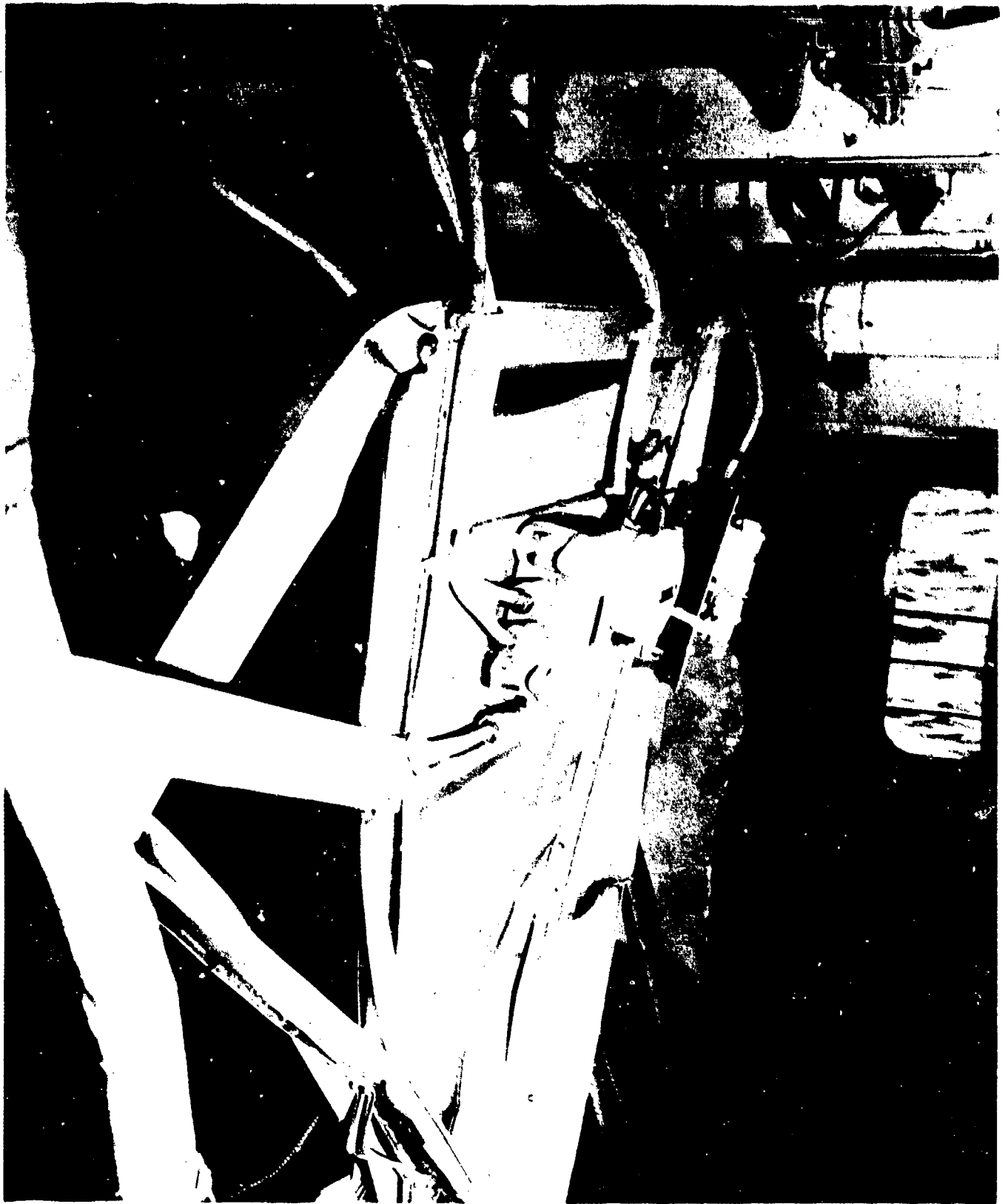
SECRET

USS INDEPENDENCE (CVL22)

Page 713 of 766 Pages

9713





AA-CR-82-1920-8. Wiring and wiring equipment on damaged metal joiner bulkhead, frame 44 athwartship passage focsle deck. View looking to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 714 of 766 Pages

9713



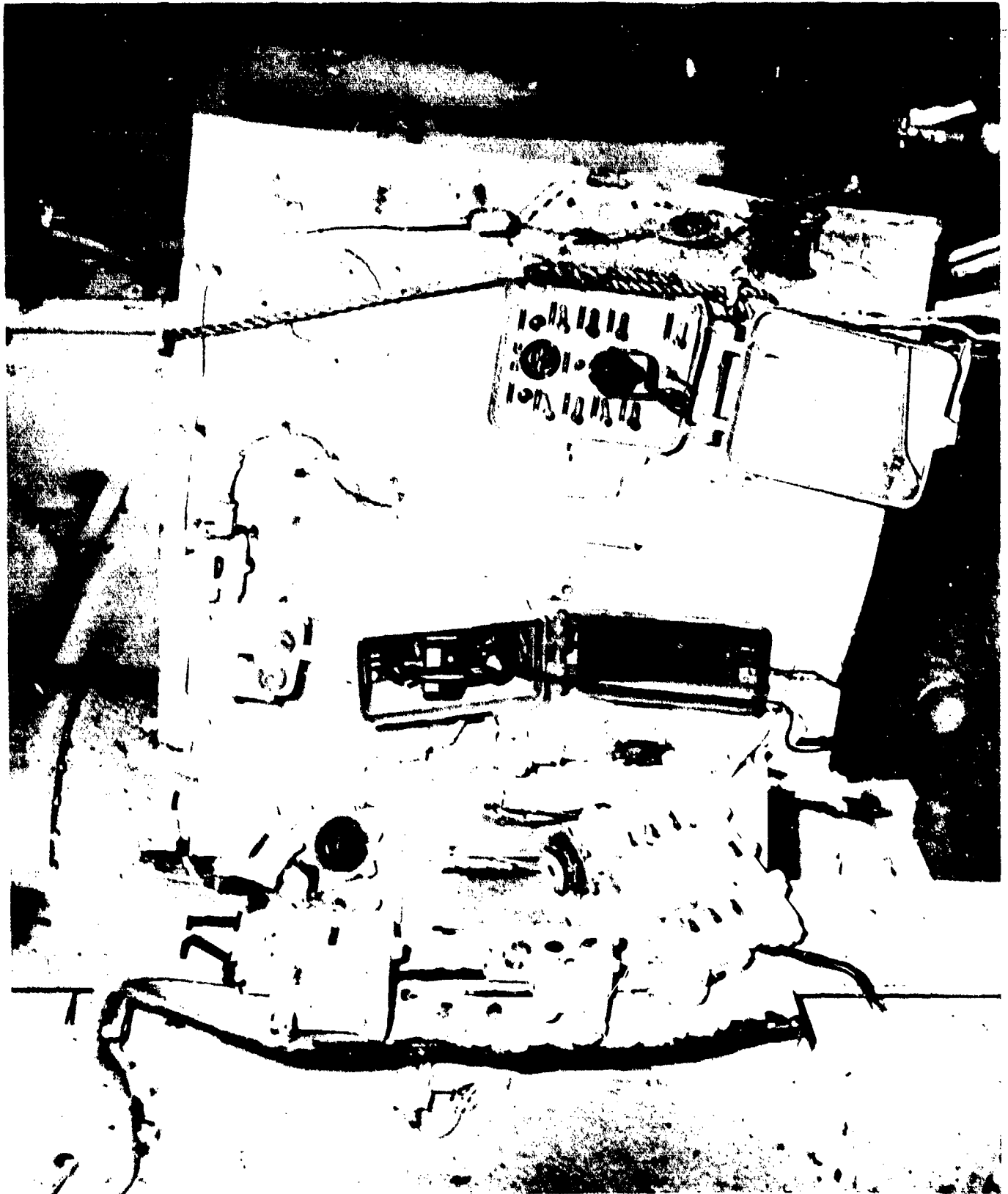
AA-CR-62-1882-5. Distribution connection boxes located on bulkhead frame 44 port side athwartship passage on foscle deck. View looking to port and forward.

SECRET

USS INDEPENDENCE(CVL22)

Page 715 of 766 Pages

9713



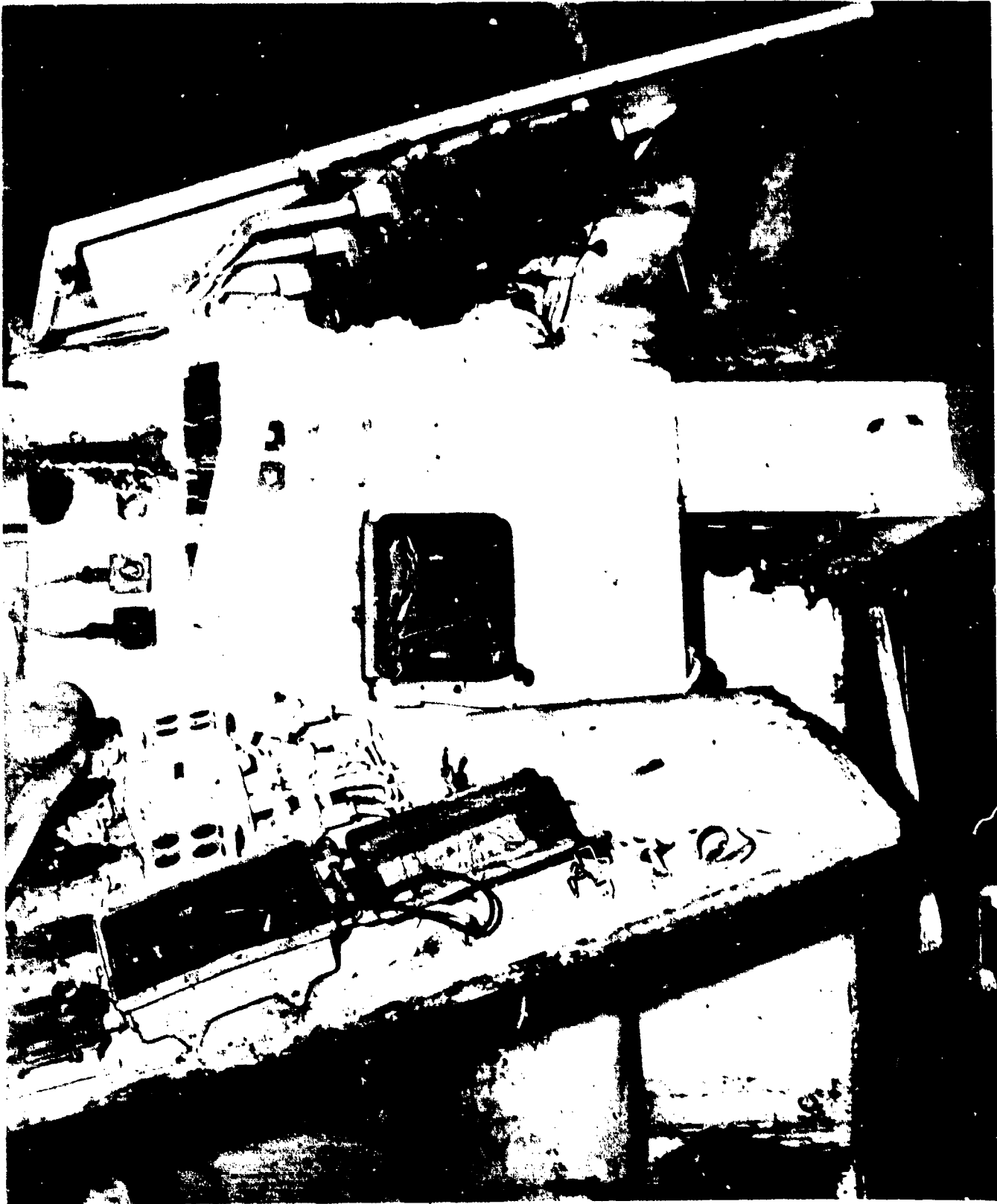
AA-CR-82-1917-6. Communication and control equipment at quarter deck station, frame seventy one starboard side hangar space. View looking starboard and aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 716 of 766 Pages

9713



AA-CR-82-1917-7. Water curtain control switches, communication equipment and gasoline trunk ventilation controls frame 80 starboard side hangar space, view looking to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 717 of 766 Pages

9713



AA-CR-82-1916-5. Casualty power terminal distorted and interior of 1MC reproducer missing bulkhead 49. Starboard side second deck, note damage to bulkhead, view looking up and aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 718 of 766 Pages

9713



AA-CR-82-1916-11. Casualty power terminal distorted and "E" circuit connection box mounting feet broken bulkhead 119, port side, second deck. View looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 719 of 766 Pages

9719

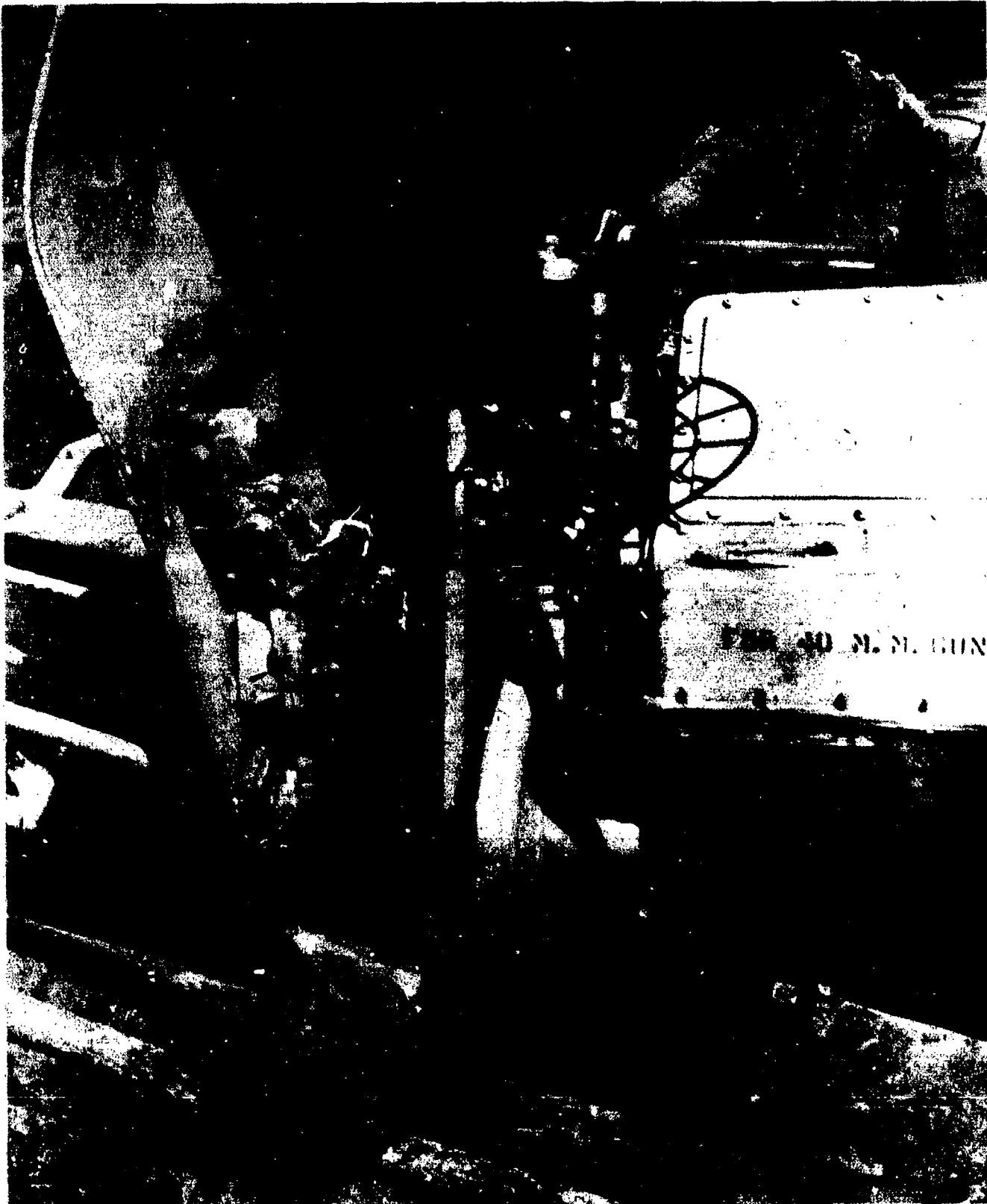


AA-CR-234-1990-4. Failure of mounts for telephone selector switch, jack-box and push button on bulkhead of island, air defense level.

SECRET

USS INDEPENDENCE (CVL22)  
Page 720 of 766 Pages

9713



AA-CR-82-1919-10. Mounting failures and cable damage to fire control equipment on shield of MK51 gun director located at frame 28 port side galley deck. View looking down and outboard from flight deck.

SECRET

USS INDEPENDENCE (CVL22)

Page 721 of 766 Pages

9713





AA-CR-82-1918-7. Two power receptacles blown off foundation by blast pressure, located at frame 115 port side hangar space. View looking outboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 722 of 766 Pages

9713



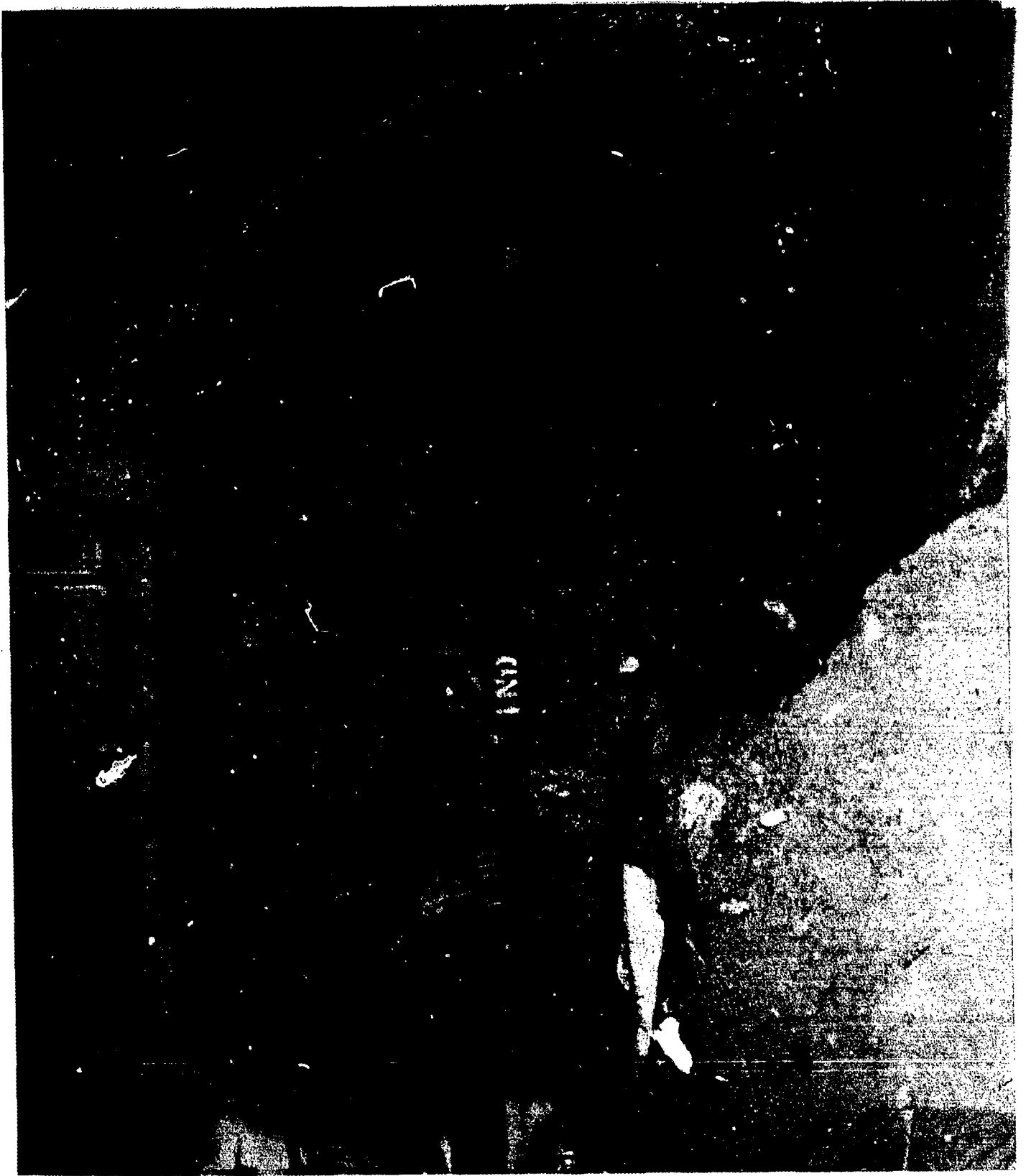
AA-CR-234-1989-7. Radar batteries located on gallery deck walkway, starboard side, frame 45. Cell jars broken and acid spilled.

SECRET

USS INDEPENDENCE (CVL22)

Page 723 of 766 Pages

9713



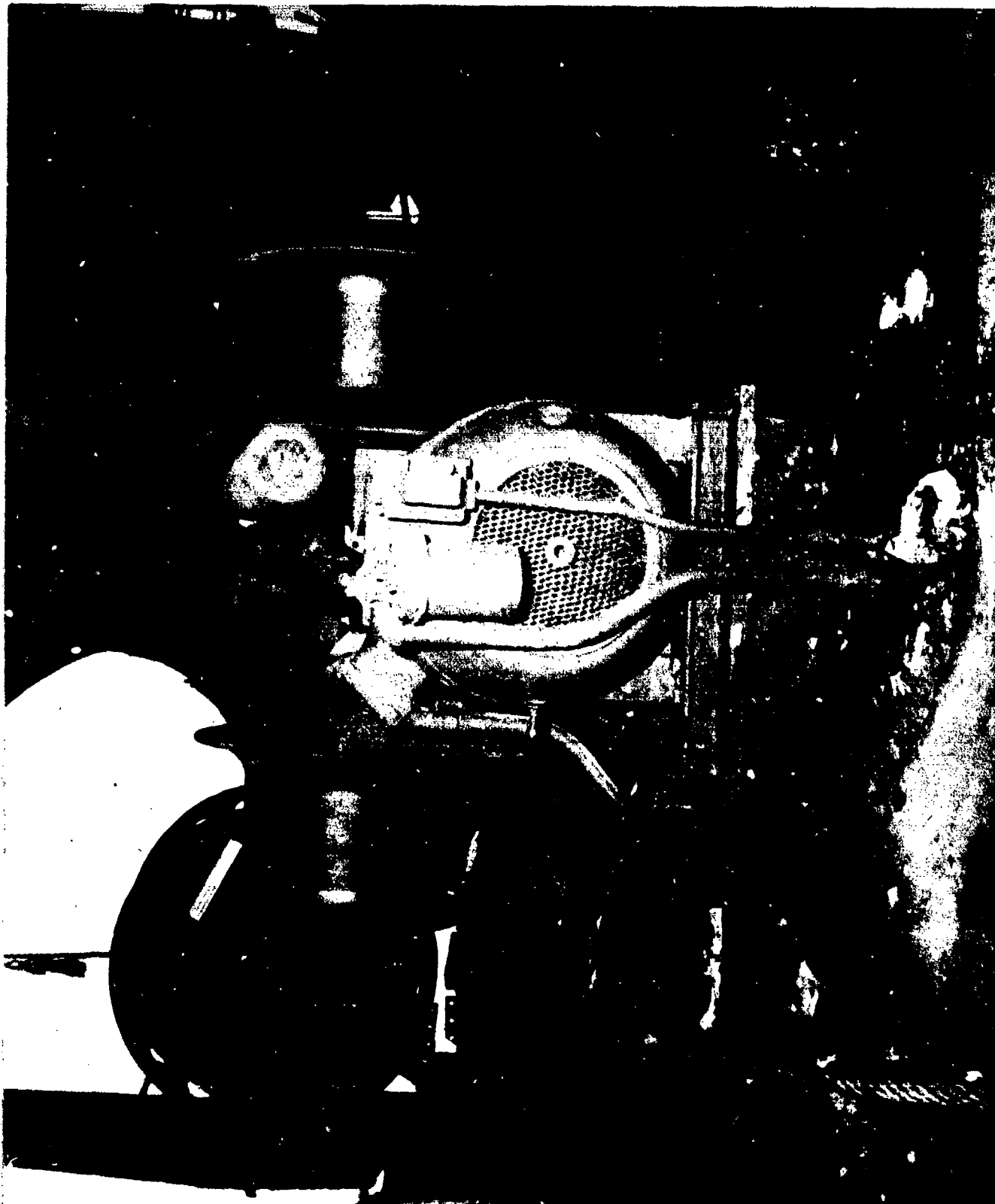
AA-CR-82-1920-2. Damage to storage batteries, radar repair shop, frame 75 starboard side galley deck. Cell covers lifted by blast pressure. View looking to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 724 of 766 Pages

9713



AA-CR-82-1918-11. Winch apparently undamaged in spite of deflection in deck in way of stern working capstan. View looking to port on main deck aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 725 of 766 Pages

9713



AA-CR-82-1918-9. Damage to controller and push button for port boat handling winch. View looking forward and inboard frame 125 hangar deck level.

SECRET

USS INDEPENDENCE (CVL22)

Page 726 of 766 Pages

9713



AA-CR-82-1918-10. Effect of heat and shock on control equipment for starboard boat winch. View looking aft and inboard frame 125 hangar deck level.

SECRET

USS INDEPENDENCE (CVL22)

Page 727 of 766 Pages

9713



AA-CR-82-1918-6. Damage to ventilation controller and type "C" automatic telephone unit, located at frame 113 starboard side hangar space. View looking aft and outboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 728 of 766 Pages

9713



AA-CR-82-1917-5. Unit heater control switches located frame 56 starboard side, hangar space. Mounting bolts sheared and switches hanging by cable. View looking forward.

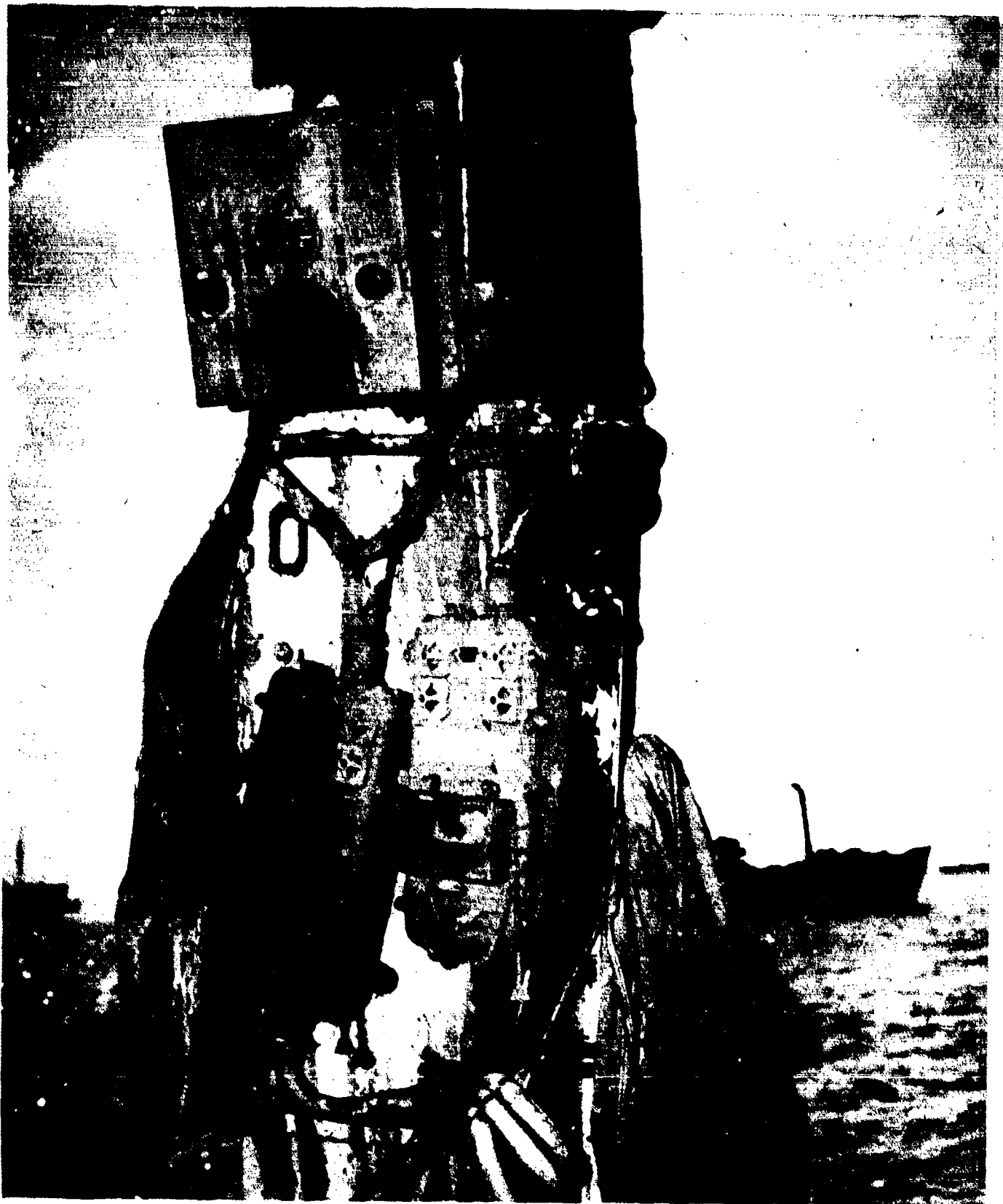
SECRET

USS INDEPENDENCE (CVL22)

Page 729 of 766 Pages

9713





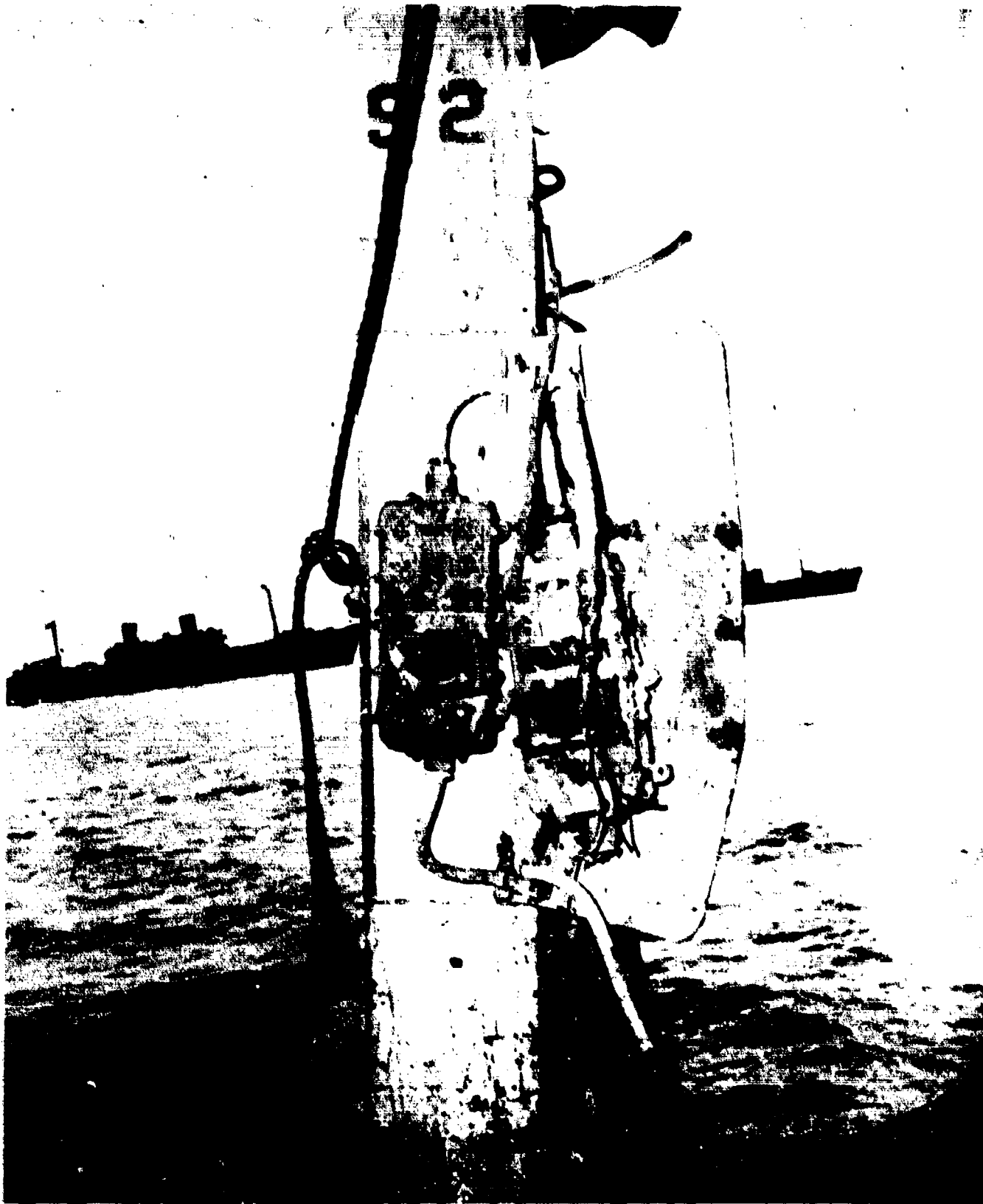
AA-CR-62-1882-2. Water curtain control switches and radio broadcast speaker, amplifier on bent frame 80 port side hangar space. One switch is missing. View looking outboard.

SECRET

Page 730 of 766 Pages

USS INDEPENDENCE(CVL22)

9713



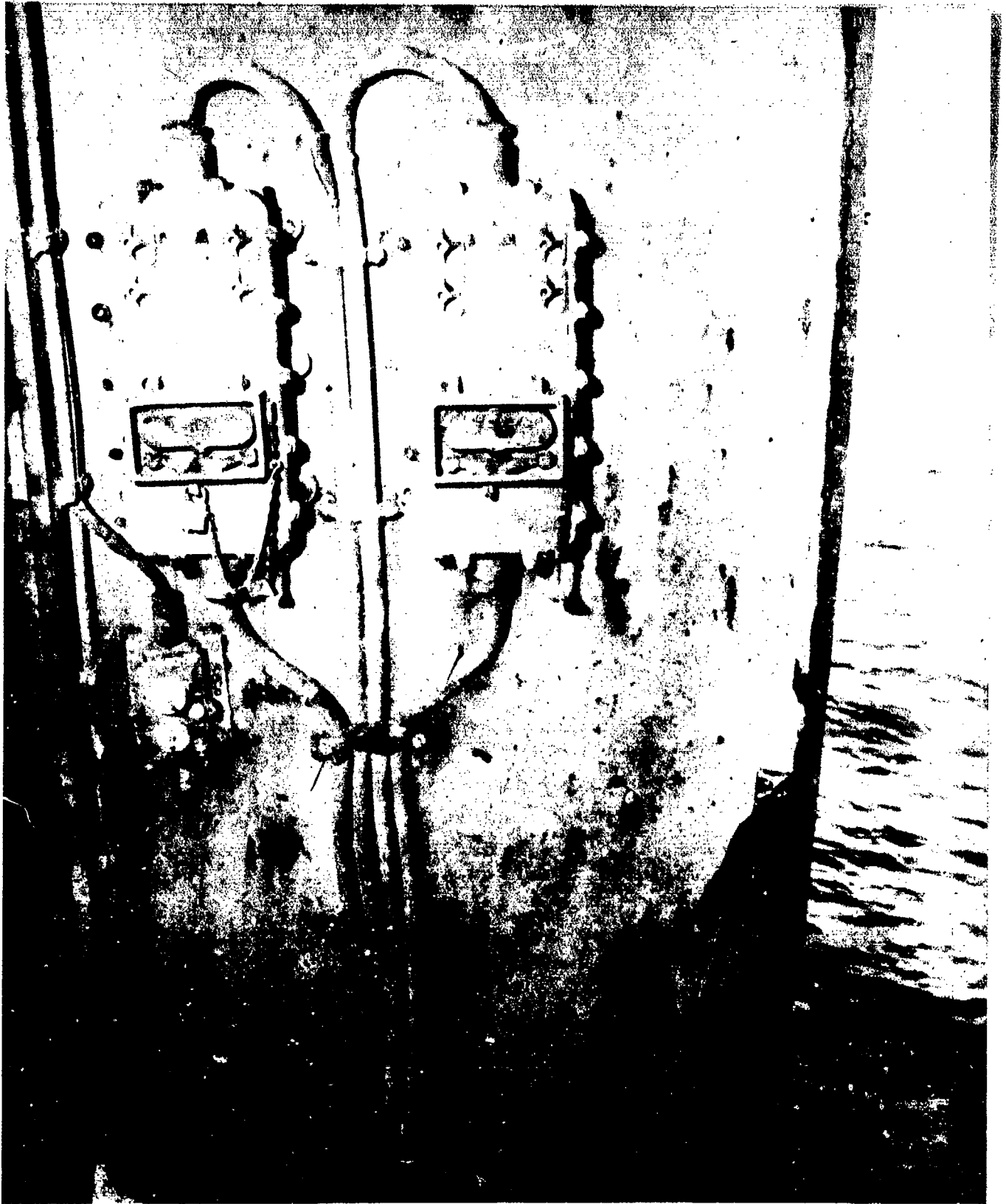
AA-CR-82-1918-5. Damage to water curtain control switches, located frame 8 port side hangar space. One switch missing. View looking outboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 731 of 766 Pages

9713



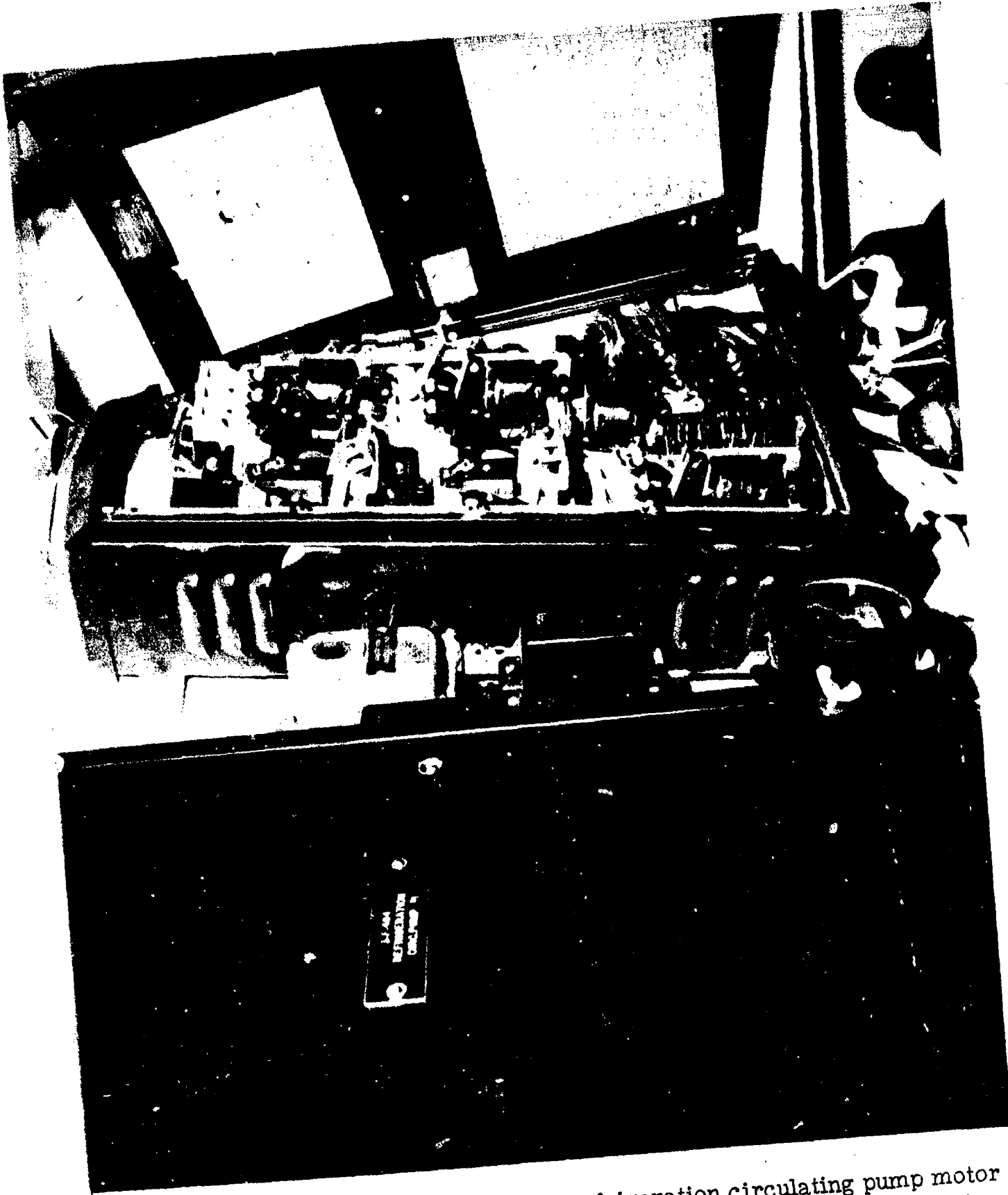
AA-CR-82-1918-8. Damage to cable at securing strap for water curtain control switches, frame 118 port side hangar space. View looking aft and outboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 732 of 766 Pages

9713



AA-CR-82-1916-12. Controller for refrigeration circulating pump motor #2 located on bulkhead 126 port side 3rd deck in ice machine room. View looking aft.

SECRET

Page 733 of 766 Pages

USS INDEPENDENCE (CVL22)

9713



AA-CR-82-1917-1. Damage to control push button for refrigeration circulating pump motor No. 2 and electric fan on bulkhead 126 port side 3rd deck in ice machine room. View looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 734 of 766 Pages

9713



AA-CR-234-1989-1. Damage to deck edge landing light and wiring, gallery deck walking at after starboard area. View looking inboard and aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 735 of 766 Pages

9713



AA-CR-62-1881-4. Damage to deck edge landing light of frame 84 port side of flight deck, view looking aft and outboard.

SECRET

Page 736 of 766 Pages

USS INDEPENDENCE(CVL22)

9713



AA-CR-234-1989-4. Damage to bar light at frame 96 port side gallery walkway one light blown off foundation and one damaged.

SECRET

USS INDEPENDENCE (CVL22)

Page 737 of 766 Pages

9713





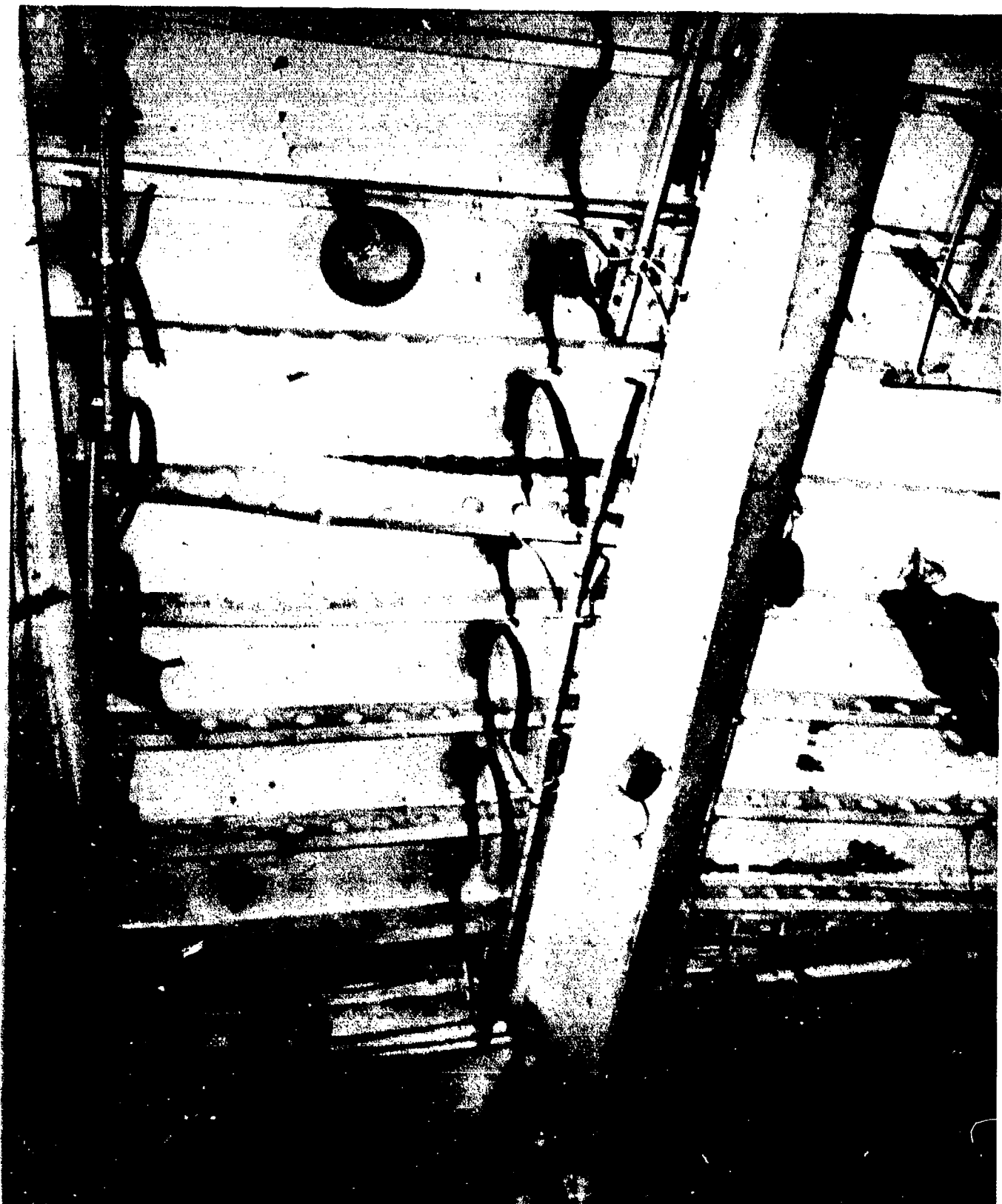
AA-CR-82-1919-11, Damage to port bow designation light, located on forward ramp of flight deck. View looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 738 of 766 Pages

9713

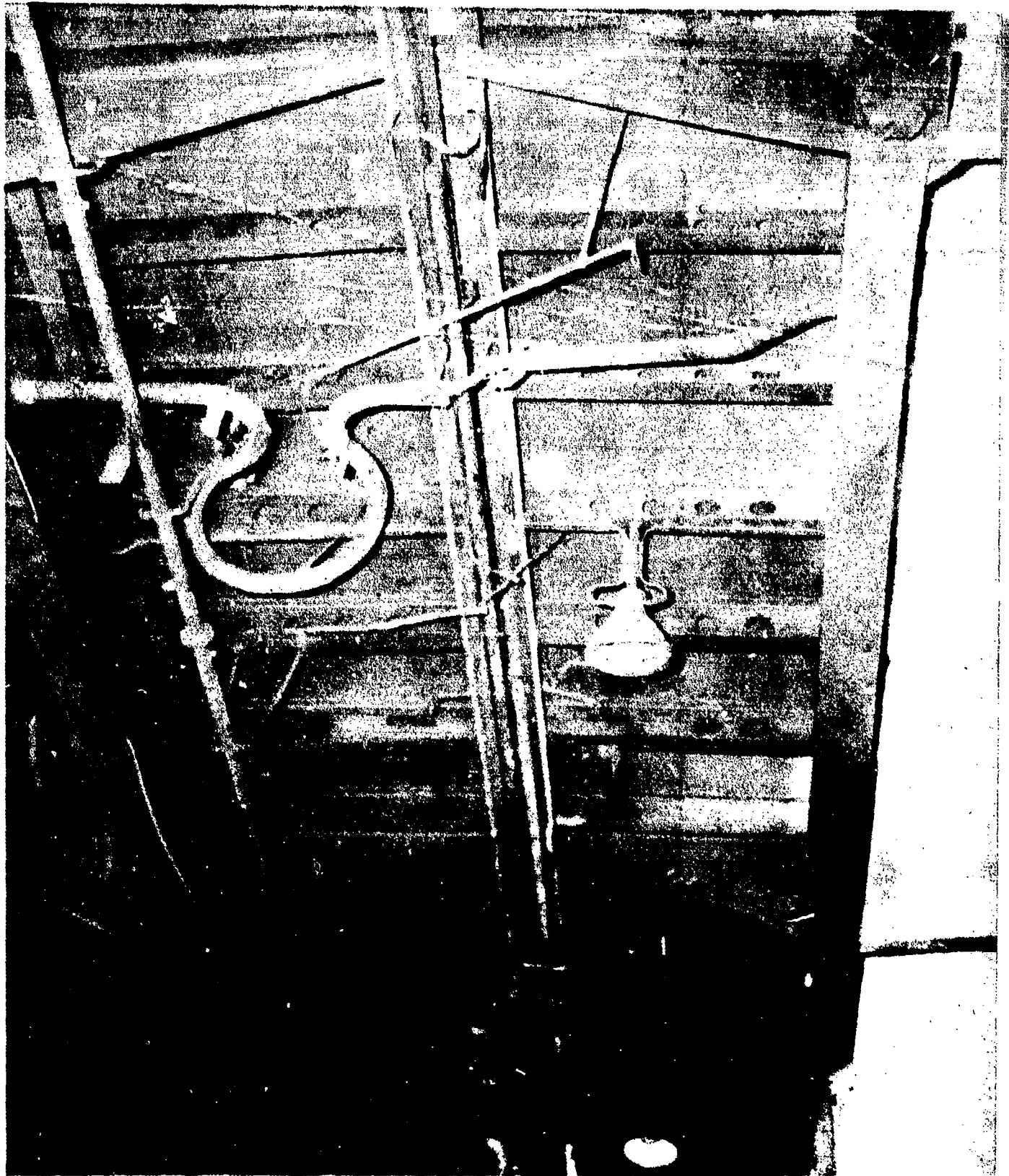


AA-CR-62-1882-4. Lighting fixtures and 3MC reproducers on under side flight deck in hangar space. View looking up and outboard frame 92-95 starboard side.

SECRET

USS INDEPENDENCE(CVL22)

Page 739 of 766 Pages



AA-CR-82-1917-10. Lighting fixtures on underside of flight deck. Frame 64 starboard side, in hangar space. View looking up and to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 740 of 766 Pages

9713



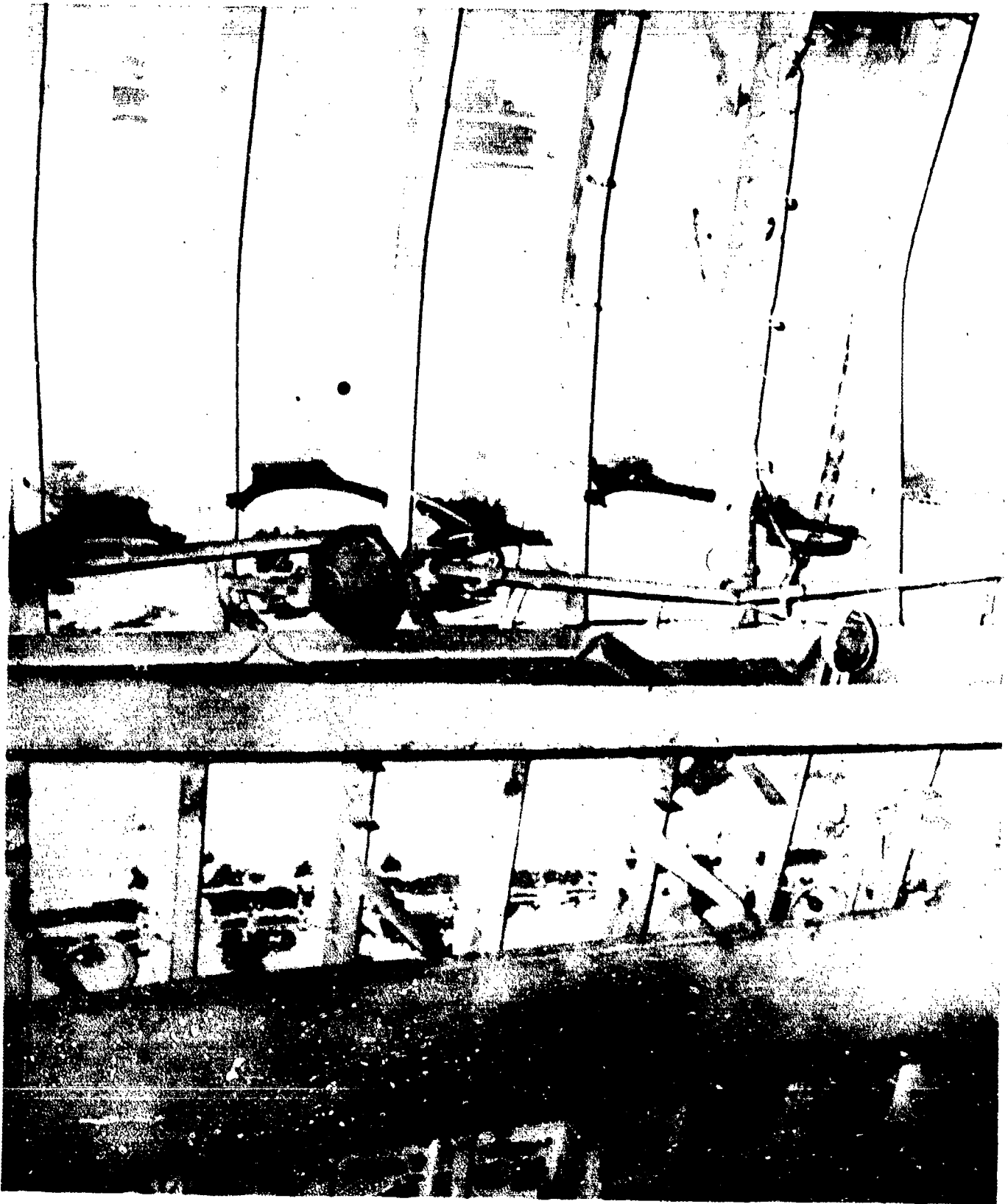
AA-CR-82-1917-11. Lighting fixtures on underside of flight deck frame  
60 port side hangar space. View looking upward to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 741 of 766 Pages

9713



AA-CR-82-1917-12. Lighting fixtures and "3MC" reproducer on under side of flight deck, frame 77 port side hangar space. View looking up and to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 742 of 766 Pages

9713



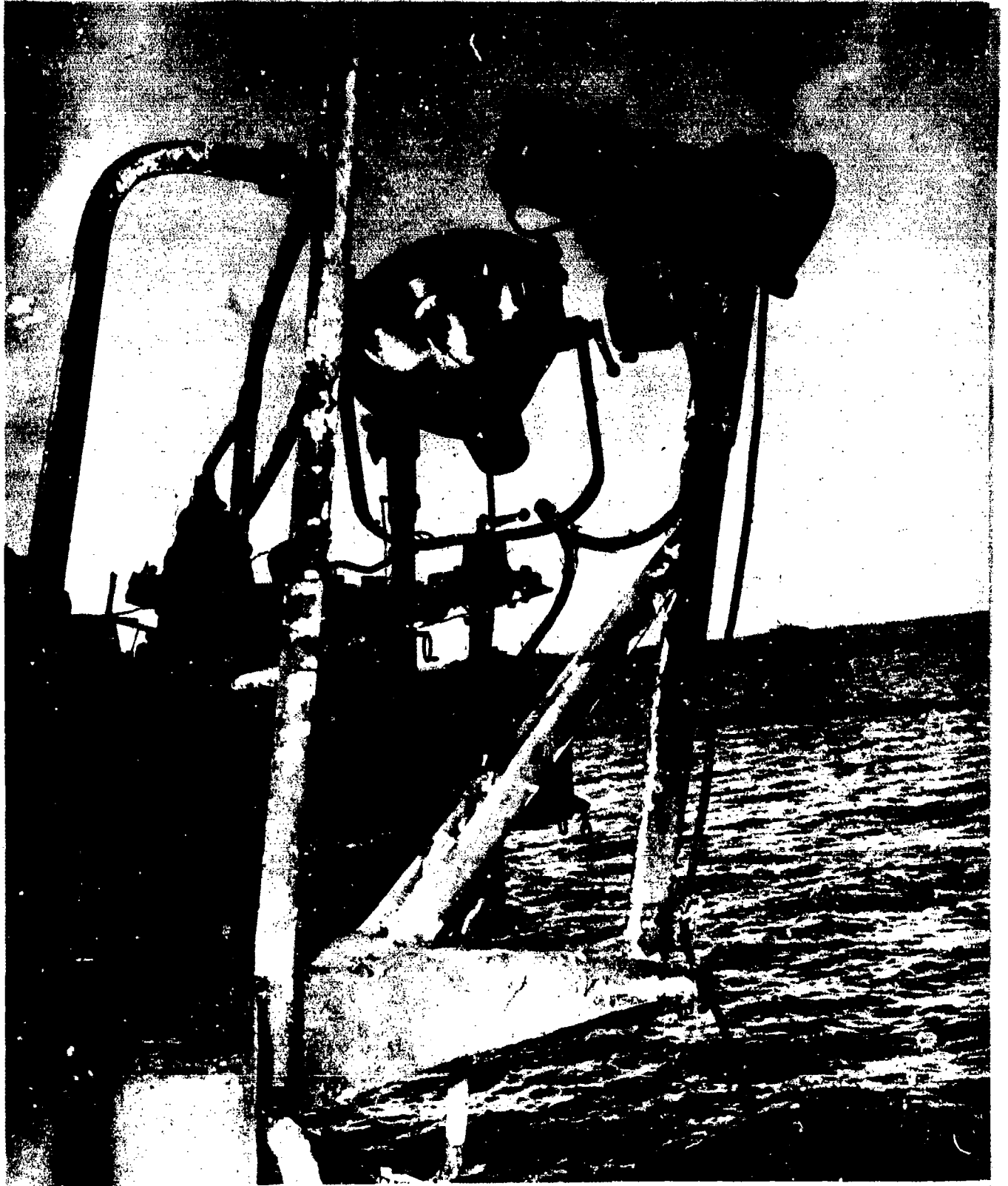
AA-CR-82-1919-4. Damage to lighting fixtures under flight deck in hanger space, frame 105. View looking up and to centerline.

SECRET

USS INDEPENDENCE (CVL22)

Page 743 of 766 Pages

9713



AA-CR-234-1985-11. 500W flood light and "3MC" reproducer mounted off gallery deck walkway frame 125 starboard. Note damage to speaker, light operable, flexible cable severed.

SECRET

USS INDEPENDENCE (CVL22)

Page 744 of 766 Pages

9713



AA-CR-234-1989-8. A 4x and 12x lighting distribution box, frame 54 in flight deck control station. Enclosures damaged by inboard deflection of bulkhead.

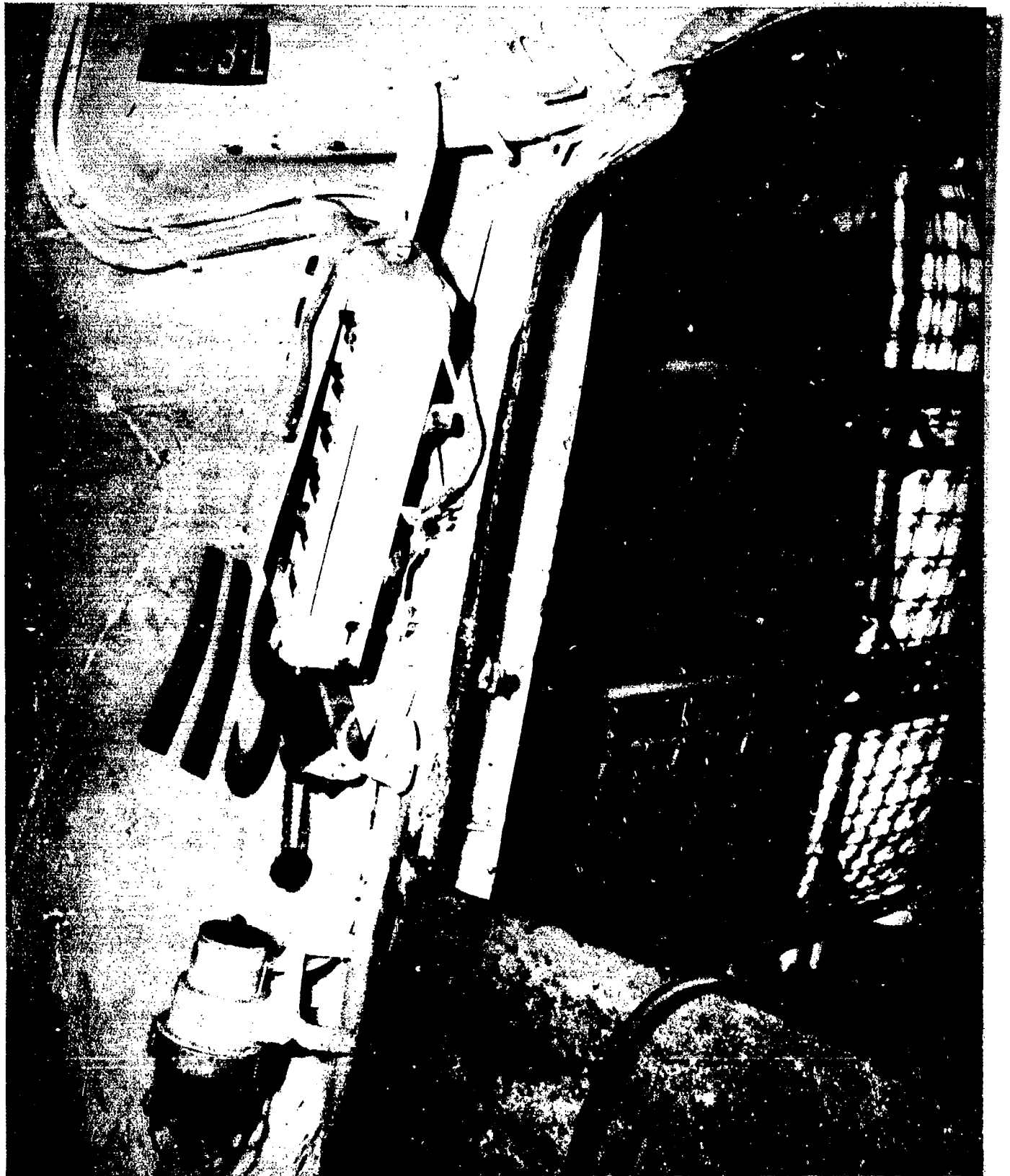
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USS INDEPENDENCE (CVL22)

Page 745 of 766 Pages

9713





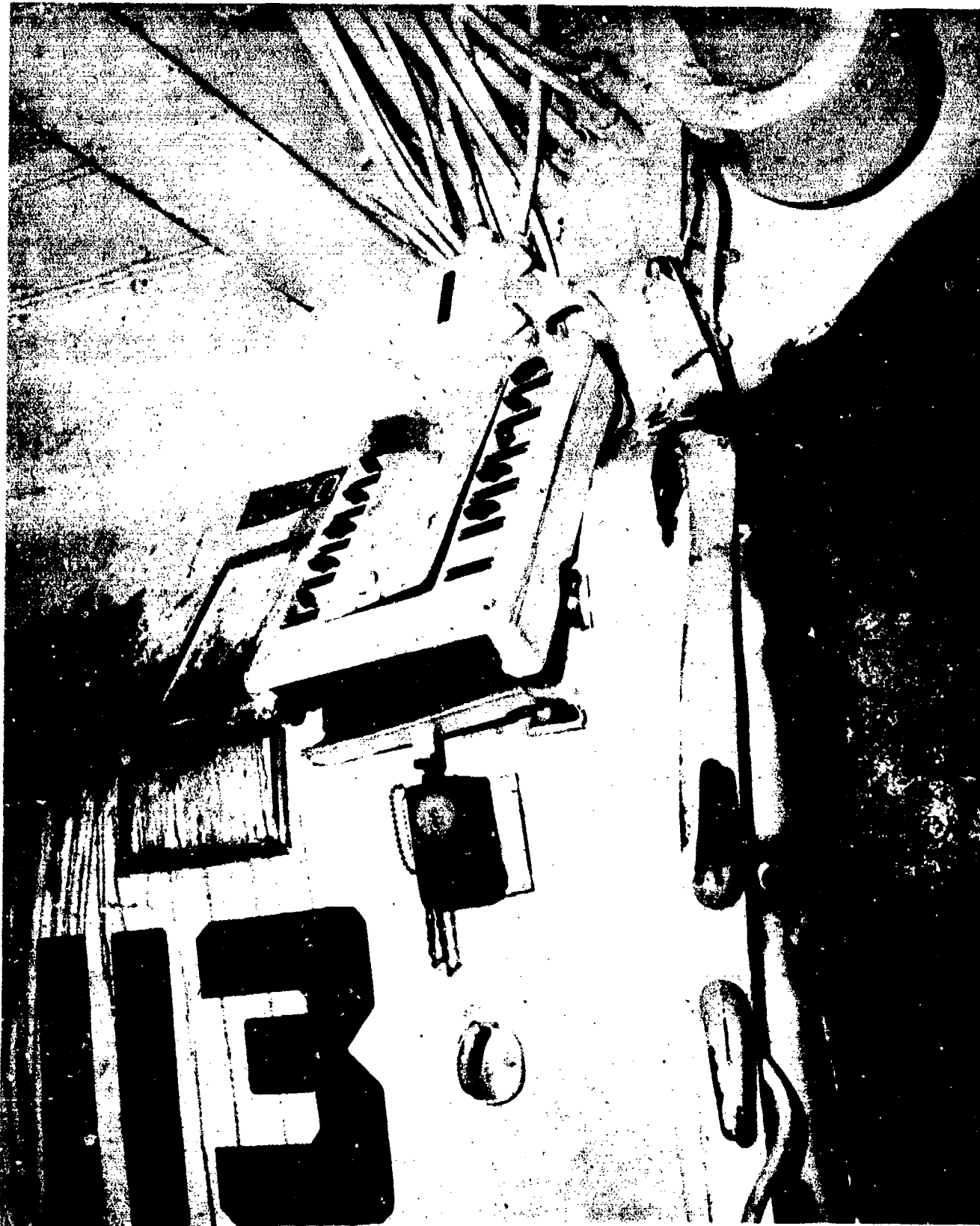
AA-CR-82-1916-8. "12T" lighting distribution box located on bulkhead frame 119 port side second deck mounting feet broken and cover distorted due to buckle in bulkhead. View looking forward and to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 746 of 766 Pages

9713



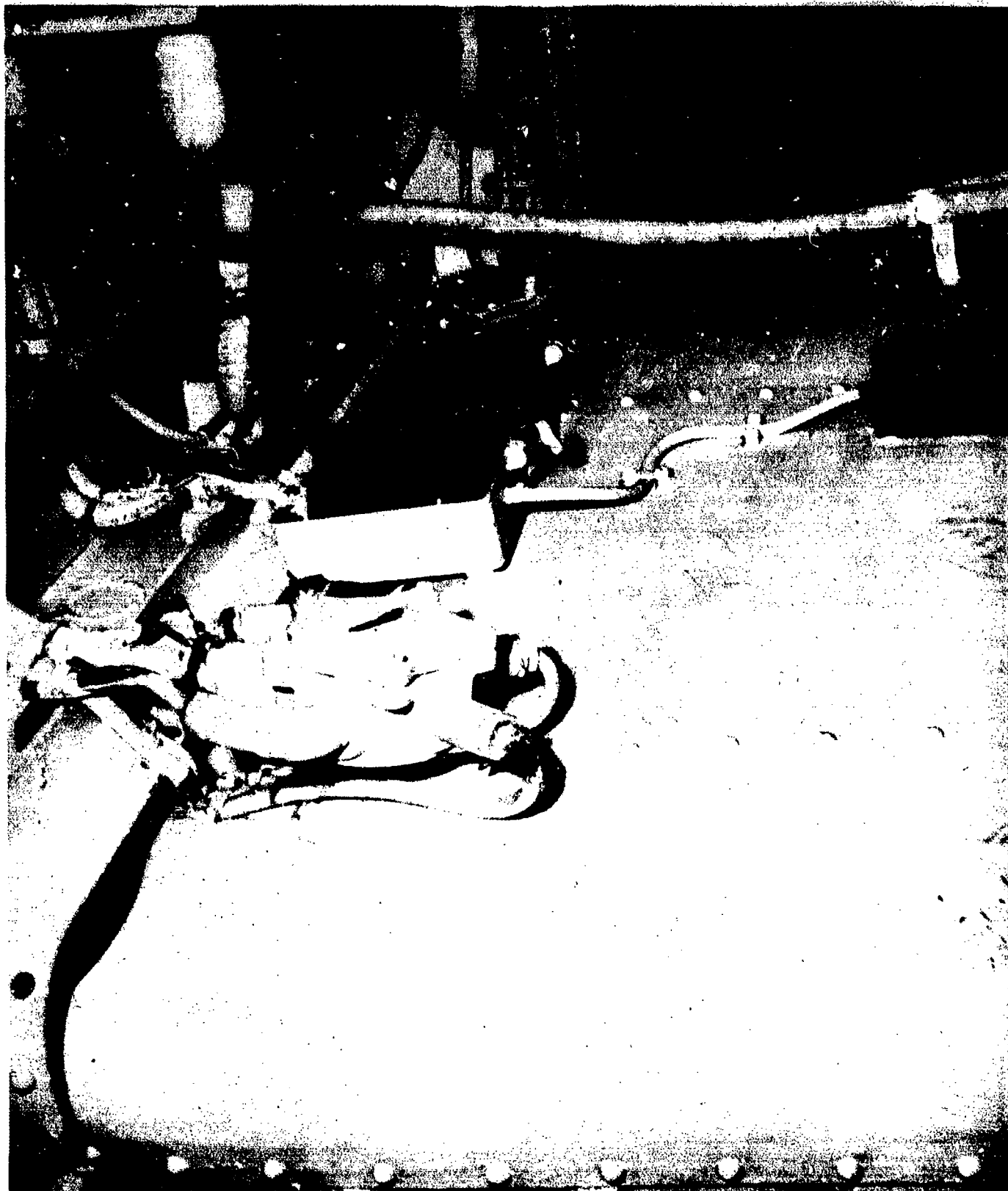
AA-CR-82-1916-10. "12T" lighting distribution box on bulkhead 113 starboard side second deck enclosure broken due to buckle in bulkhead. View looking forward.

SECRET

USS INDEPENDENCE (CVL22)

. Page 747 of 766 Pages

9713



AA-CR-82-1916-4. Enclosure broken on a 12X lighting distribution box and mounting feet broken on 4MC connection box, located frame 53 starboard side second deck, note damage to bulkhead, view looking aft and to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 748 of 766 Pages

9713



AA-CR-82-1917-3. "12X" lighting distribution box located on trunk, frame 104 port side 3rd deck, cover and enclosure distorted due to buckle in bulkhead. View looking to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 749 of 766 Pages

9713



AA-CR-82-1919-12. Failure of shock mounts on gyro compass repeater located at secondary conning station port side galley deck walkway forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 750 of 766 Pages

9713



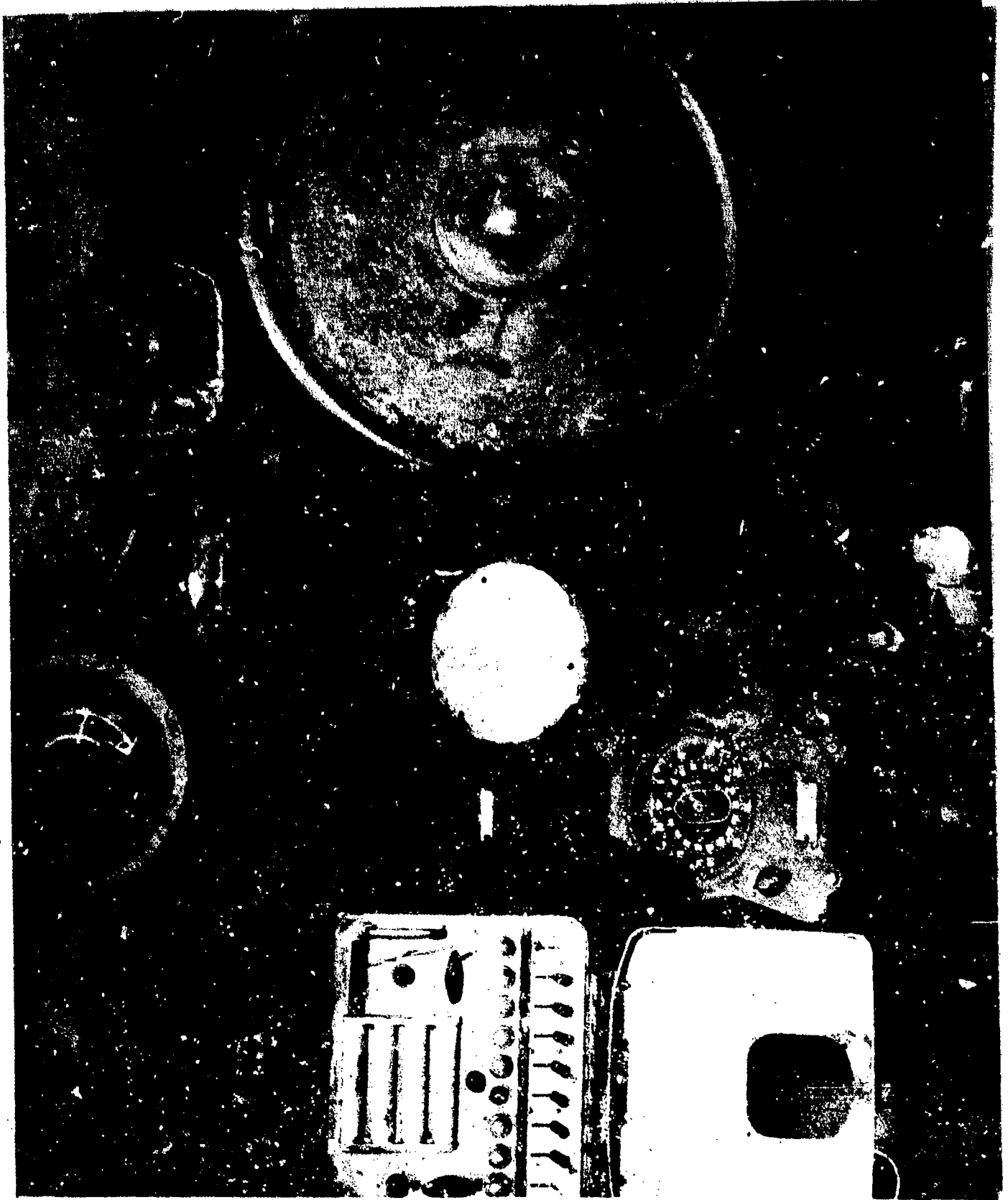
AA-CR-62-1880-12. Broken pedestal of starboard pelorus on air defense station, overlooking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 751 of 766 Pages

9713



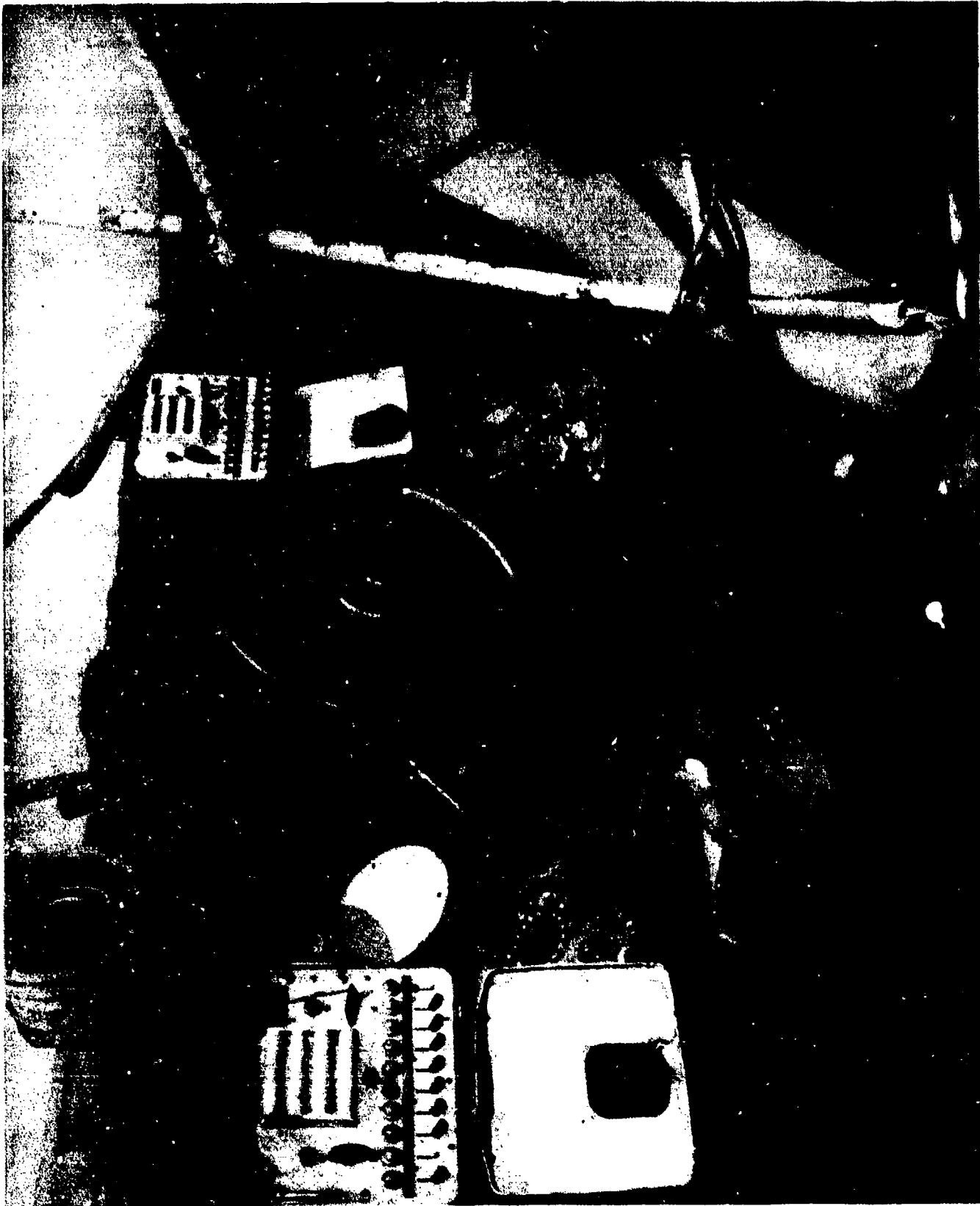
AA-CR-62-1881-1. Navigation equipment located on forward blast shield of air defense level at open steering station, overlooking forward.

SECRET

USS INDEPENDENCE(CVL22)

Page 752 of 766 Pages

9713



AA-CR-62-1881-2. Navigation equipment located on forward blast shield of air defense level at open steering station, overlooking forward and starboard.

SECRET

USS INDEPENDENCE(CVL22)

Page 753 of 766 Pages

9713





AA-CR-234-1989-10. Gyro compass repeater in chart house on forward bulkhead. Note failure of shock mounts. View looking forward and to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 754 of 766 Pages

9713



AA-CR-234-1990-3. Failure of shock mounts on "1MC" inter-communication unit "type 1A" located on blast shield at fly control station.

SECRET

USS INDEPENDENCE (CVL22)

Page 755 of 766 Pages

9713



AA-CR-62-1880-9. One of three "3MC" reproducers and foundations from which two units were broken loose, mounted on port side of island bulkhead above flight deck overlooking to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 756 of 766 Pages

9713



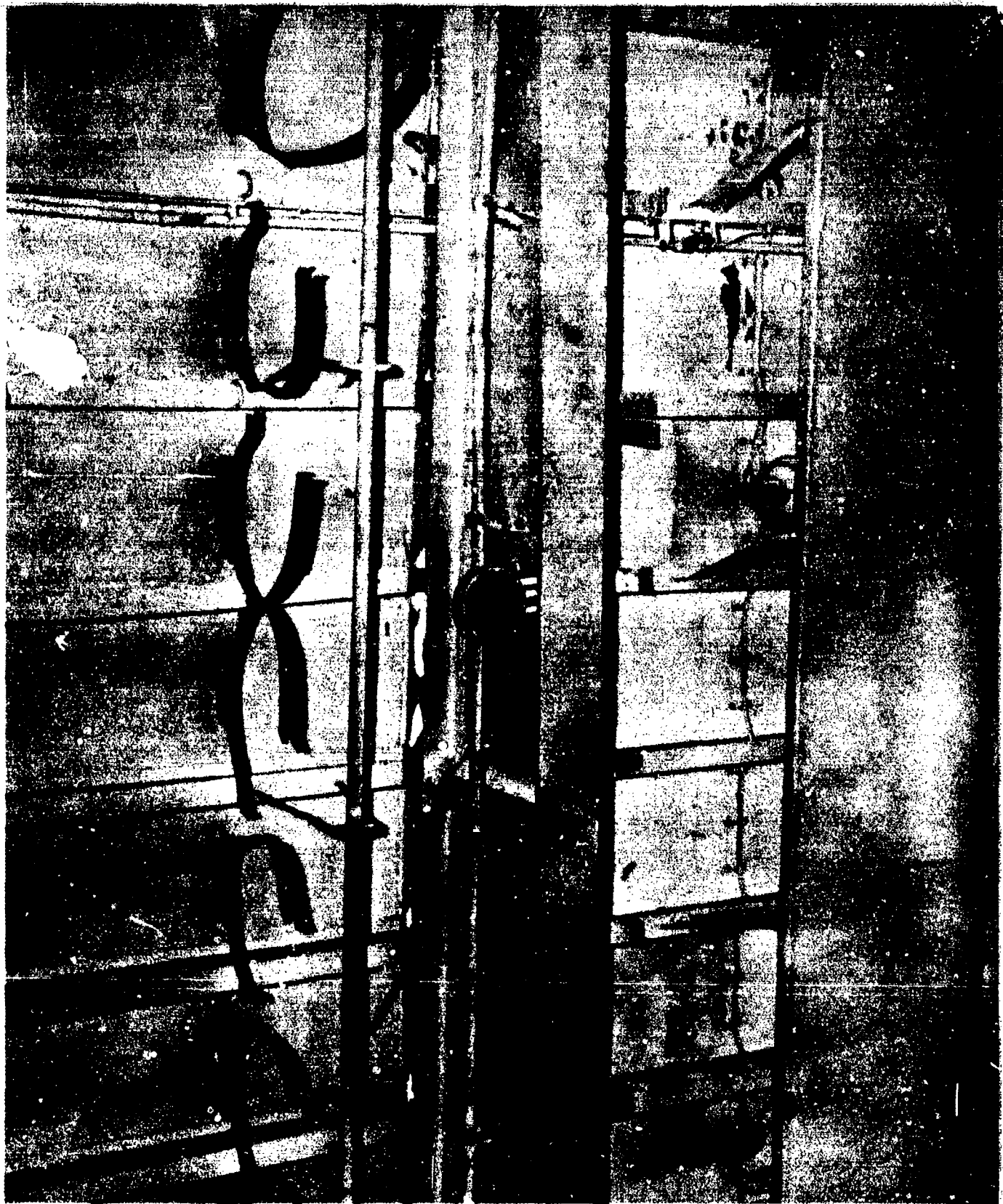
AA-CR-62-1880-10. Two 3MC reproducers laying on flight deck, which were broken loose from foundations on port bulkhead island structure above flight deck, overlooking and down to starboard.

SECRET

USS INDEPENDENCE(CVL22)

Page 757 of 766 Pages

0713



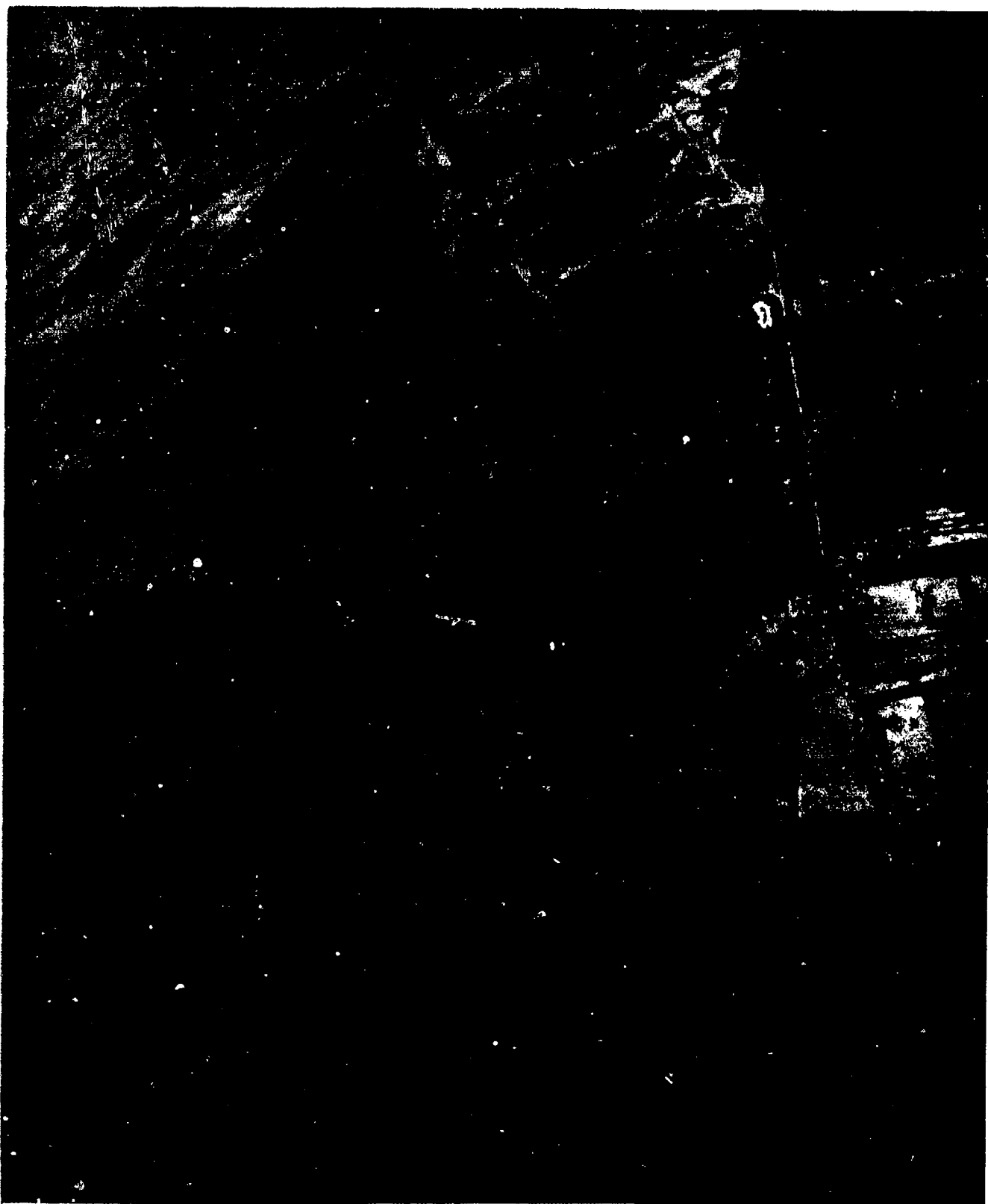
AA-CR-82-1918-4. Enclosure for "3MC" reproducers from which interior has been ejected. Located under flight deck in hangar space, frame 95. View looking up and to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 758 of 766 Pages

9713



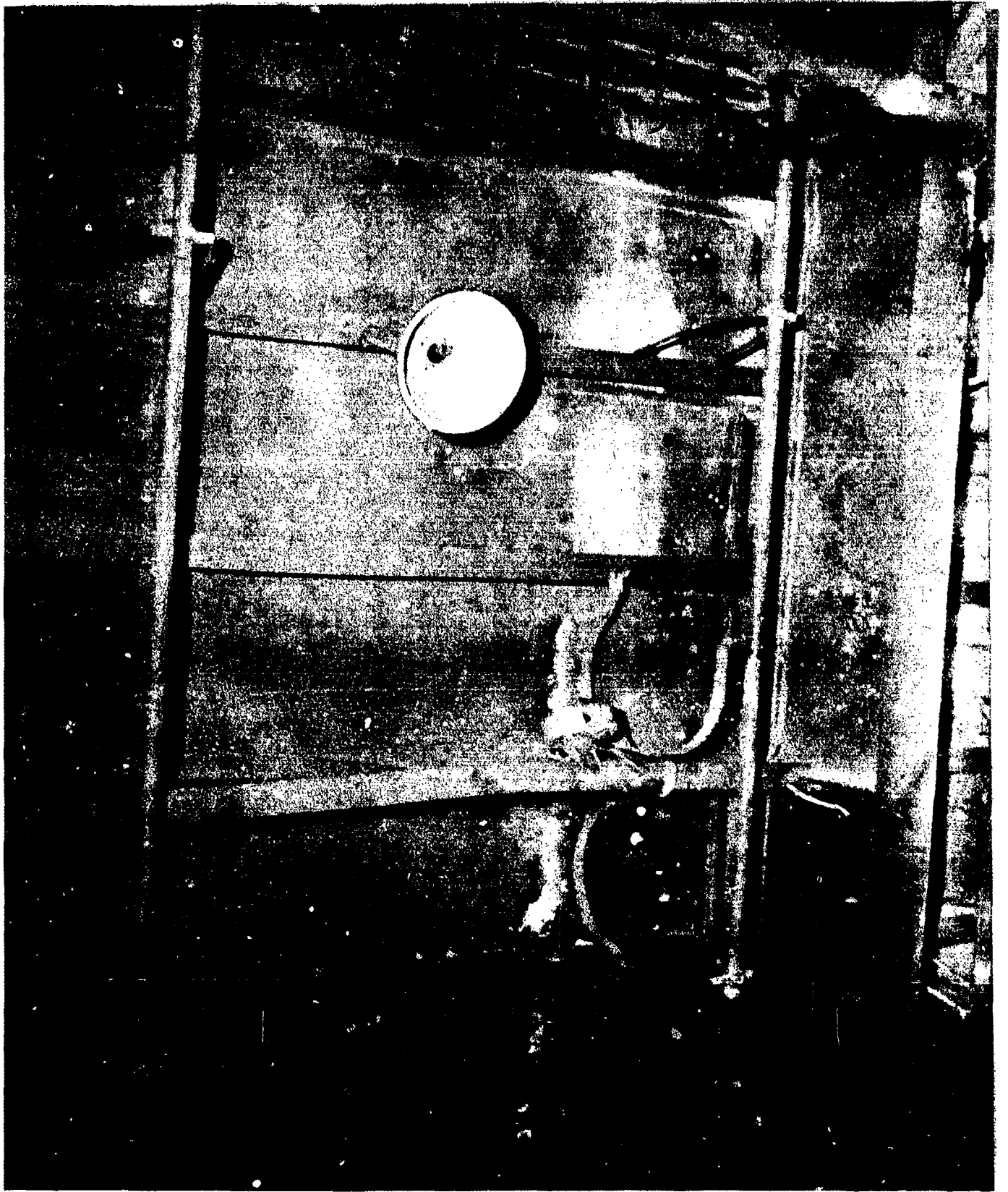
AA-CR-82-1920-10. Two foundations for "3MC" reproducers, mounting feet were broken on units. Frame 38 port side galley walkway. View looking outboard and forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 759 of 766 Pages

9713



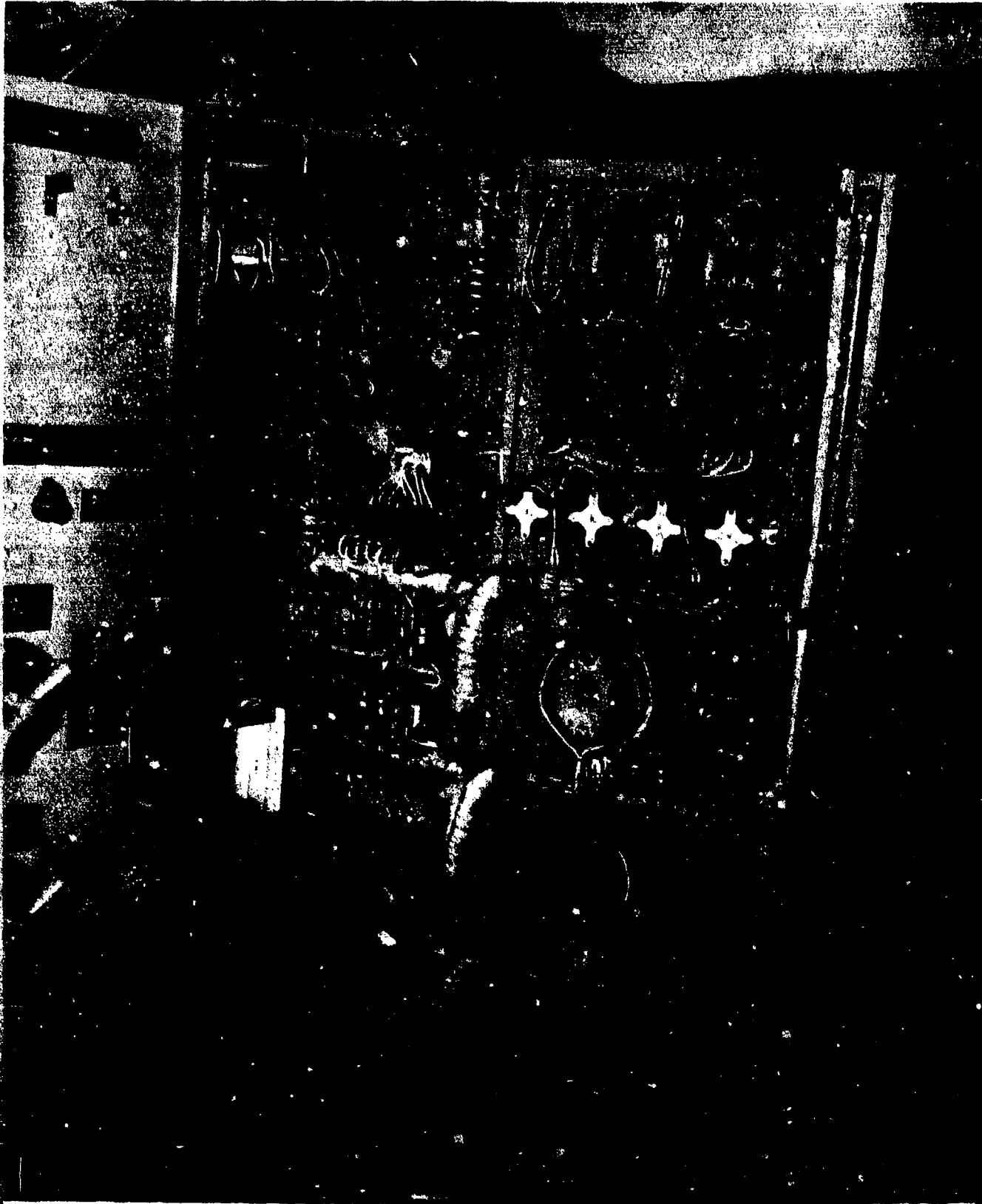
AA-CR-82-1919-5. Damage to lamp in lighting fixture located under flight deck in hangar space, frame 105. View looking up.

SECRET

USS INDEPENDENCE (CVL22)

Page 760 of 766 Pages

9713



AA-CR-82-1920-11. "5MC" amplifier control rack, panel dislodged from foundation, wiring damaged, and panel controls damaged, located frame 46, port side galley deck. View looking inboard from port.

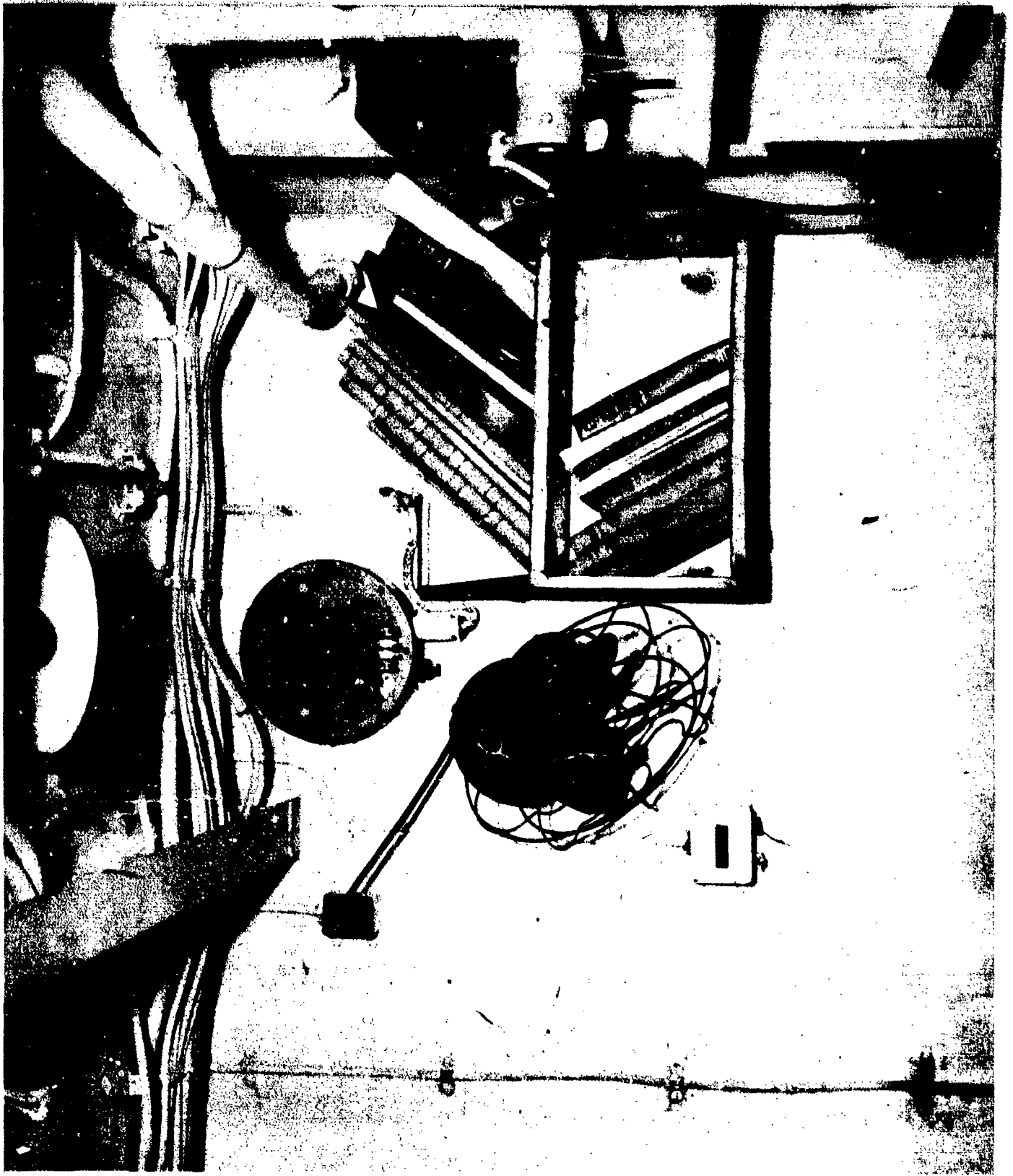
SECRET

USS INDEPENDENCE (CVL22)

Page 761 of 766 Pages

9713





AA-CR-234-1989-6. Enclosure for "1MC" reproducer in and chart house, frame 57 starboard side gallery deck. Interior missing after test.

SECRET

USS INDEPENDENCE (CVL22)

Page 762 of 766 Pages

9713



AA-CR-234-1989-9. Engine order and revolution telegraph in pilot house. Pedestal broken off at base instrument left standing and operable. View looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 763 of 766 Pages

9713



AA-CR-82-1920-9. Catapult ready light indicator frame 22 starboard side flight deck plastic lens damaged by radiant heat of bomb and foundation bracket broken.

SECRET

USS INDEPENDENCE (CVL22)

Page 764 of 766 Pages

9713



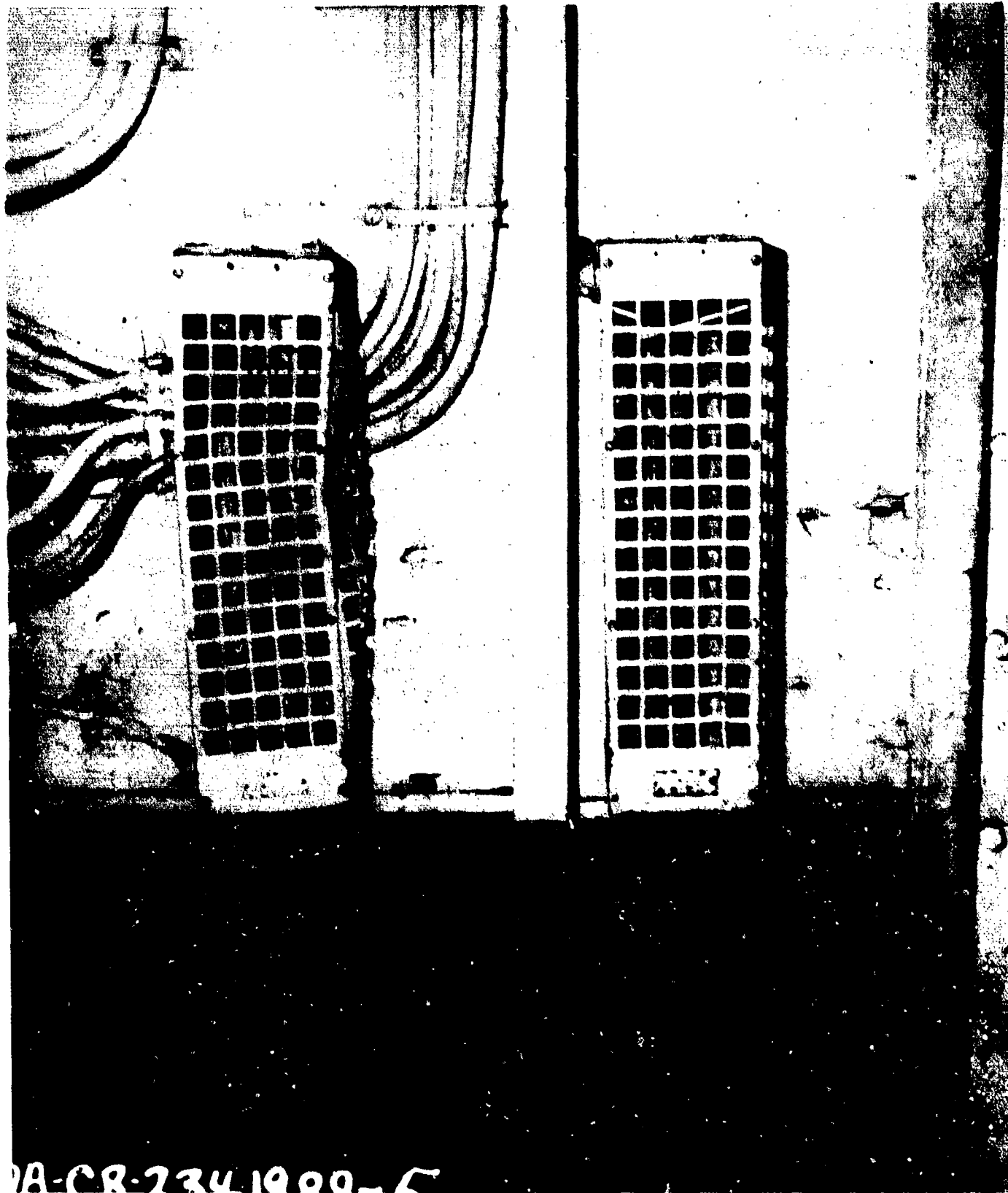
AA-CR-82-1917-4. Damaged controller for hot point range in W.O. pantry, frame 37 port side of 3rd deck.

SECRET

USS INDEPENDENCE (CVL22)

Page 765 of 766 Pages

9713



AA-CR-234-1989-5. Damage to non-radiant heater, by loose furniture falling against it. Grids were broken located in aix. Chart house from 51 starboard on gallery deck.

SECRET

USS INDEPENDENCE (CVL22)

Page 766 of 766 Pages

9713



TRC

Defense Special Weapons Agency  
6801 Telegraph Road  
Alexandria, Virginia 22310-3398

10 April 1997

MEMORANDUM FOR DEFENSE TECHNICAL INFORMATION CENTER  
ATTENTION: OMI/Mr. William Bush

SUBJECT: Declassification of Reports

The Defense Special Weapons Agency (formerly Defense Nuclear Agency) Security Office has reviewed and declassified the following reports:

- AD-366718 ✓ XRD-32-Volume 3
- AD-366726 ✓ XRD-12-Volume 2
- AD-366703 ✓ XRD-16-Volume 1
- AD-366702 ✓ XRD-14-Volume 2
- AD-376819L ✓ XRD-17-Volume 2
- AD-366704 ✓ XRD-18
- AD-367451 ✓ XRD-19-Volume 1
- AD-366700<sup>05</sup> ✓ XRD-20-Volume 2 AD-366705
- AD-376028L ✓ XRD-4
- AD-366694 ✓ XRD-1
- AD-473912 ✓ XRD-193
- AD-473891 ✓ XRD-171
- AD-473899 ✓ XRD-163
- AD-473887 ✓ XRD-166
- AD-473888 ✓ XRD-167
- AD-473889 ✓ XRD-168

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MADE TARGET

TRC

10 April 1997

SUBJECT: Declassification of Reports

AD-B197749	XRD-174
AD-473905	XRD-182
AD-366719	XRD-33 Volume 4
AD-366700	XRD-10
AD-366712	XRD-25 Volume 1
AD-376827L	XRD-75
AD-366756	XRD-73
AD-366757	XRD-74
AD-366755	XRD-72
AD-366754	XRD-71
AD-366710	XRD-23 Volume 1
AD-366711	XRD-24 Volume 2
AD-366753	XRD-70
AD-366749	XRD-66
AD-366701	XRD-11
AD-366745	XRD-62.

All of the cited reports are now **approved for public release; distribution statement "A" applies.**

*ARDITH JARRETT*  
ARDITH JARRETT  
Chief, Technical Resource Center

copy furn: FC/DSWA (DASIAC)  
KSC

*Completed*

*R.W*