

EQUIPMENT FOR RANGE, FIELD, N-1937  
(Bake pan with cover and stock pot with insert  
and covers)

A. APPLICABLE SPECIFICATIONS

A-1. The following current specifications and drawings, in effect on date of invitation to bid, shall form a part of this specification:

Federal Specification QQ-A-353	Aluminum-alloy (aluminum-manganese); bars, rods, shapes and wire
Federal Specification QQ-A-359	Aluminum-alloy (aluminum-manganese); plates and sheets
Federal Specification QQ-A-161	Metals; general specification for inspection of
U. S. Army Specification 100-2	Standard specifications for marking shipments

1 Quartermaster Corps Drawing File No. A-181	Range, field, N-1937, bake pan and cover
2 Quartermaster Corps Drawing File No. A-182	Range, field, N-1937, pot, stock, aluminum, heavy, 10-gal.
3 Quartermaster Corps Drawing File No. A-183	Range, field, N-1937, insert, alum. 10-gal. for stock pot

- 1 Not required when types III, IV, V, or VI only are manufactured.
- 2 Not required when types I, II, V, or VI only are manufactured.
- 3 Not required when types I, II, III, or IV only are manufactured.

B. TYPES, GRADES, CLASSES, ETC.

A-1 Type and size.— This specification covers six types of equipment for range, field, N-1937, each in one size.

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|----------|---|
| Type I   | - Pan, bake                               |
| Type II  | - Cover, pan, bake                        |
| Type III | - Pot, stock, aluminum, heavy, 10-gal.    |
| Type IV  | - Cover, heavy with splash shield         |
| Type V   | - Insert, aluminum, 10-gal. for stock pot |
| Type VI  | - Cover, light                            |

C. MATERIAL AND WORKMANSHIP, ETC.

C-1. Material.— The materials shall conform in all respects to the specifications and drawings listed in section A.

C-1a. Aluminum-manganese-alloy sheet used in the manufacture of the equipment specified herein with the exception of the bake pan cover shall be class A conforming to Federal Specification QQ-A-359 except splash shield which shall be 1/2 H.

C-1b. Aluminum-magnesium-chromium-alloy used in the manufacture of the bake pan cover shall conform to the following chemical composition:

Magnesium	2.5 per cent
Chromium	0.25 per cent

Per cent of alloying elements, aluminum and normal impurities to constitute the remainder.

C-1c. Aluminum-manganese-alloy rods used in the manufacture of the stock pot and insert handles and splash shield stud shall be class 1/2 H conforming to Federal Specification QQ-A-356.

C-1d. Aluminum-manganese-alloy flat wire used in the manufacture of heavy and light cover handles shall be class 1/2 H conforming to Federal Specification QQ-A-358.

C-1e. Corrosion resisting steel flat wire used in the manufacture of bake pan cover top handle shall be of the following chemical analysis and the metal to have a natural finish:

Carbon	.03 - .20 per cent
Manganese	1.25 per cent (max.)
Phosphorus	.03 per cent (max.)
Sulphur	.03 per cent (max.)
Silicon	.75 per cent (max.)
Chromium	18.00 -20.00 per cent
Nickel	8.00 -10.00 per cent

C-2. Workmanship.— The finished articles shall be made in conformity with the drawings and specifications listed in section A; shall be clean, well finished, and free from any defects which may affect appearance or serviceability.

C-2a. The bodies of the stock pot, insert, bake pan, and bake pan cover shall be made from single pieces of metal, and shall contain no welds or other defects that may affect the serviceability for the purpose intended. The light and heavy cover and splash shield shall also be made from single pieces of metal.

C-2b. All welds shall be sound, smooth, and free from pit holes.

C-2c. All hot tinning shall be thorough and parts tinned shall be smooth and free from drippings.

C-2d. The outside surfaces of all articles shall have a natural metal finish.

#### D. GENERAL REQUIREMENTS

D-1. All general requirements for the manufacture of the finished articles and their component parts shall be as shown by drawings and specifications listed in section A.

D-2. Stamping or marking shall be as shown on drawings. No other brands or marks shall show on the equipment. The surfaces opposite these stamp marks shall show no signs of penetration or unevenness.

D-3. The contractor shall inspect all finished articles for compliance with this specification prior to submitting them to the United States Government for final inspection.

#### E. DETAIL REQUIREMENTS

E-1. See section B.

#### F. METHODS OF SAMPLING, INSPECTION, AND TESTS

F-1. Sampling.— Samples of any materials, components, etc., not furnished by the United States Government, entering into the manufacture of the articles covered herein shall be selected from time to time by the Government Inspector, and carefully examined and tests made to determine if they are in accordance with the drawings and specifications listed in section A.

F-2. Inspection.— Inspection may be made throughout the entire process of manufacture. The passing as satisfactory of any detail of construction or materials shall not relieve the contractor of responsibility for faulty workmanship or materials which may be discovered at any time prior to final acceptance. Final inspection of the finished articles shall be made either at point of production or at point of delivery designated in the contract or purchase order of procuring agency. In case of factory inspection, every facility shall be afforded inspectors, by the manufacturer, for the prosecution of their work.

#### G. PACKING, PACKAGING, AND MARKING

G-1. Packing.— Unless otherwise specified in invitation to bid, stock pot and cover with splash shield or insert and light cover or bake pan and bake pan cover shall be packed one per standard commercial

corrugated fibre-board box, well protected against damage and the box so constructed as to insure acceptance by common or other carriers for safe transportation, at lowest rate, to point of delivery.

4-2. Marking.— Unless otherwise specified in invitation to bid, contract or order under which shipment is made, shipping boxes shall be marked in accordance with U. S. Army Specification 100-2.

#### 5. NOTES

5-1. Before production is commenced, unless otherwise specified in invitation to bid, a finished article of the subject commodity shall be submitted to the contracting officer for approval.

5-2. The use of this specification, wherever applicable, is mandatory on all procuring agencies of the Army.

NOTICE: When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility or any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data, is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use or sell any patented invention that may in any way be related thereto.

NOTE: Unless otherwise specified in invitation to bid or purchase order, copies of this specification may be obtained at the following points:

Jeffersonville Quartermaster Depot, Jeffersonville, Indiana.