

OFFICE OF THE QUARTERMASTER GENERAL

MILITARY PLANNING DIVISION

RESEARCH & DEVELOPMENT BRANCH

**SECRET**  
**RESTRICTED**

STATUS REPORT  
OF  
RESEARCH & DEVELOPMENT PROJECTS

**Classification Changed to**  
**Cancelled**      **Secret**      **Confidential**  
**By Authority The Q. M. G.**  
**RAY E. M. REY,**  
**Capt., QMG**  
Signature \_\_\_\_\_  
Date: \_\_\_\_\_

November 12, 1942

**SECRET**  
**RESTRICTED**

43474

I N D E XCOMPLETED AND DROPPED PROJECTS

<u>Page</u>	<u>Name</u>	<u>Project Number</u>
✓1	Bag, Barracks	PL-362-42
✓2	Bag, Sleeping	49-42
✓3	Bag Sleeping Arctic	379-42
✓4	Bag Sleeping Artificial Down	4-42
✓5	Boot, Felt	228-42
✓6	Cape, Rain	412-42
✓7	Duck for Equipage (Lowering weight without decreasing strength)	423-42
✓8	Goggles, All Plastic	348-42
✓9	Insignia Cap & Collar, ASC	367-42
✓10	Leather Substitution and conservations	104-42
✓11	Poles, Tent	309-42
✓12	Ration, Mountain	370-42
✓13	Saw Band	312-42
✓14	Slipper, Felt	395-42
✓15	Spring Fabric Mattress	434-42
✓16	Stirrup, Safety	468-42
✓17	Taps, Rubber Corded	156-42
✓18	Vest, String	401-42
✓19	Wax, Ski	56-42

ACTIVE PROJECTS

20	Adaptors, Packboard	PD-435-42
21	Armor, Thermol	197-42
22	Bag, Canvas, Water	340-42
23	Belt Cartridge M-1 Carbine	355-42
24	Belts, Leather, Cartridge and Pistol	503-42
25	Bladder, Flotation, Jungle	426-42
26	Blanket Wool Blended Reworked Wool & Noils	369-42
27	Boats, Folding	457-42
28	Bolt, Expansion	297-42
29	Boot, Desert	386-42
30	Boot, Jungle	298-42
31	Boot, Rubber, short Decontamination	18-42
32	Brush, Tooth	260-42
33	Buckle, Plastic, for Work Jacket	434-42
34	Camouflage Clothing	89-42
35	Camouflage, Skin	458-42
36	Canteen	200-42
37	Canteen, Collapsible	316-42
38	Canteen, Desert	23-42
39	Cap, Ranger	459-42
40	Carrier Grenade	298-42

ACTIVE PROJECTS (Cont.)

41	Carrier Grenade	PD-346-42
42	Cart, Dog	460-42
43	Case Stove, Vehicular	281-42
44	Cement-substitute for rubber cement	
45	Clipper, Beard	320-42
46	Clothing, Interliner Paper	35-42
47	Coat, Duck, Fireman's	416-42
48	Container, Waterproof	446-42
49	Cover, Boot	12-42
50	Cover, Waterproof Rifle	447-42
51	Delousing, Methyl Bromide Method	450-42
52	Detector Avalanche Set	344-42
53	Diverter, Wind, Face	473-42
54	Duck Waterproof, Mildew Proof for water bags	452-42
55	Dyeing on Textile	56-42
56	Equipment, Life-Preserving	105-42
57	Eyelets, Grommets, Plastic	433-42
58	Fabric Impermeable Coated	448-42
59	Fabric, Overcoat, for WAAC	436-42
60	Flaps, Wader	388-42
61	Footwear, Rubber, Repair of	62-42

ACTIVE PROJECTS (Cont.)

62	Fruits & Vegetables Dehydrated	05-42
63	Gasoline, Deleading for Field Range	410-42
64	Gloves, Canvas, Neoprene Coated	66-42
65	Glove, Combat, Ranger	462-42
66	Gloves, Impermeable Rubber Dipped	75-42
67	Goggle, Light	509-42
68	Goggles for Mechanized Troops (Non-toxic face piece)	78-42
69	Harness, Dog	463-42
70	Harness Toboggan	382-42
71	Heater, Gasoline Burning, Portable, Ground Type, with Tool Warmer and Oil Warmer	479-42
72	Heels & Soles	85-42
73	Helmet, Civilian Defense (Substitute Material for)	415-42
74	Helmet, Plastic	363-42
75	Identification, Air-Ground	330-42
76	Insignia, Enlisted Men's - Plastic	444-42
77	Jacket, Desert	92-42
78	Kit, Barbers	454-42
79	Kit Repair Slide Fastener	276-42
80	Knife, Snow	464-42
81	Leather, Mold and Rot Prevention	439-42

82	Match, Waterproof	PD-326-42
83	Mattress Cotton & Redwood Bark Fiber	354-42
84	Meats, canned and Dehydrated & Lard	375-42
85	Mending Materials	06-42
86	Metabolism, Increase during sleep	
87	Mud Shoes, Jungle	392-42
88	Nails, Mountain	234-42
89	Outfit, Cooking, Mountain Artillery, (Redesign)	466-42
90	Over-shoe Amphibian	364-42
91	Pack, Army	120-42
92	Pack Dog	393-42
93	Packboard, Plywood	487-42
94	Paulins, Asphaltic Fabric	347-42
95	Pouche, Ambulance	445-42
96	Pouch, Mail	507-42
97	Probe Avalanche	133-42
98	Protective Coatings for Hardware	488-42
99	Protective Coatings for Metal Cooking Utensils	486-42
100	Raincoat	203-42
101	Raincoat, Improved	406-42
102	Ration 5 in 1	04-42

103	Ration, One-shot.	371-42
104	Ration Type C	240-42
105	Recoloring Discolored Web Equipment	368-42
106	Rope, Climbing	136-42
107	Rot & Termite	
108	Safe, Field (Alternate material for)	442-42
109	Saw Buck	413-42
110	Scabbard Carbine Cal 30 M-1	139-42
111	Sheath for Machete, Bolo, etc.	143-42
112	Shirt, Desert	147-42
113	Shoe Boatman	365-42
114	Shoes, Climbing	288-42
115	Shoes - Fibre Counters and Heel Bases	502-42
116	Shovel Entrenching with Pike Handle	391-42
117	Ski Binding	9-42
118	Ski, Collapsible	301-42
119	Ski, Hard Surfaced	151-42
120	Sled, Collapsible	153-42
121	Sled, Horse Drawn	467-42
122	Sledge	339-42
123	Snowshoe, Horse	396-42
124	Soles outer for Army Shoes	291-42
125	Spike Climbing Jungle	397-42
126	Spring, Fabric, Bed	489-42

ACTIVE PROJECTS (Cont.)

127	Stockings, Wool, Long	FD-429-42
128	Stones, Sharpening	438-42
129	Stove, Gasoline, One-Burner, M-1942	165-42
130	Stove Tent Heating	166-42
131	Stove, Two-Burner	224-42
132	Strap, Ski Safety	180-42
133	Suit, Arctic	400-42
134	Suit Battle, One-Piece	295-42
135	Suit Parachute Jumper	230-42
136	Suit, Training, Attach, Dog	461-42
137	Supporter, Athletic, Plastic or Metal	469-42
138	Tarpaulin, Toboggan	470-42
139	Tent, Maintenance, Shelter, Armored Forces	465-42
140	Tent, Pentagon	417-42
141	Tent Mountain, 2 man, complete with pins & poles	177-42
142	Tents, Poncho, Sectional	471-42
143	Tent, Post Command	422-42
144	Tent Squad	43-42
145	Tent, Surgical, Truck	443-42
146	Tent, Wall, Lightweight, 4-man	419-42
147	Toboggan, Military	399-42
148	Tubing, Plywood	441-42
149	Uniform, Nurses (Color Change)	508-42
150	Vegetables Dehydrated	374-42

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ACTIVE PROJECTS (Cont.)

151	Vice, Ski	PD-472-42
152	Waders	191-42
153	Warmers, Hand and Tool	164-42
154	Waterproofing	286-42

RESTRICTED

RESTRICTED

**SECRET**

Quartermaster Corps  
(Supply Service)

7-2-42  
(Date of Initiation)

1. Project description: Bag, Barracks

Project number: PD- 362-42

Development of waterepellent bags

2. Development laboratories:

Philadelphia Q.M.C. Depot

3. Cooperating firms:

City

State

Classification Changed to  
Cancelled By Authority The Q. M. C.  
RAY E. HAY,  
Capt., QMCS  
Date:

4. Progress description

Date  
Month Day Year

- |  |          |
|--|----------|
| 1. Military characteristics approved by the Commanding General, Services of Supply                     |          |
| 2. Work started on pilot model   | 7-2-42   |
| 3. Pilot completed   | 7-18-42  |
| 4. Engineering tests completed   |          |
| 5. Services tests initiated  | 7-31-42  |
| 6. All service tests completed   |          |
| 7. Redesign initiated  |          |
| 8. Redesign completed  |          |
| 9. Commanding General, Services of Supply approves standardization or project satisfactorily completed | 10-30-42 |
| 10. Project dropped  |          |

5. Remarks (Show any recent developments since the last report.)

362-42 BAG, BARRACK.- Research completed on fabric and water repellency. Decision reached that OD Denim is most practical fabric. Directive from S.O.S. states that bags will not be retreated for water repellency after each laundering except when troops are alerted or when deemed advisable by Commanding Officer.

**SECRET**

43414

RESTRICTED

5-20-42  
(Date of Initiation)

Quartermaster Corps  
(Supply Service)

1. Project description:

Project number: PD- 49-42

Bag, Sleeping

2. Development laboratories:

Philadelphia QMD  
National Bureau of Standards  
Harvard Fatigue Lab.

3. Cooperating firms:

City

State

American Pad & Textile Co.

Greenfield

Ohio

Classification changed to  
 Exempted By Authority **Secret**  
 The Q. M. B.  
 RAY E. M'VEY,  
 Capt., QMC  
 Signature \_\_\_\_\_  
 Date: 7 AUG 1942

4. Progress description

Date  
Month Day Year

1. Military characteristics approved by the Commanding General, Services of Supply
2. Work started on pilot model
3. Pilot completed
4. Engineering tests completed
5. Services tests initiated
6. All service tests completed
7. Redesign initiated
8. Redesign completed
9. Commanding General, Services of Supply approves standardization or project satisfactorily completed
10. Project dropped

10-30-42

RESTRICTED

5. Remarks (Show any recent developments since the last report.)

49-42 BAG, SLEEPING, MOUNTAIN.- Completed. Standardized 10/29/42.

2

43414

5-31-42  
(Date of Initiation)

**SECRET**

Quartermaster Corps  
(Supply Service)

1. Project description: Bag Sleeping Arctic

Project number: PD- 379-42

2. Development laboratories:

Philadelphia Q.M.C. Depot

3. Cooperating firms:

City

Classification Changed to  
Secret  
Cancelled By Authority The Q. M. C. Depot  
Signature Date: 7 AUG 1942

4. Progress description

Date

Month Day Year

1. Military characteristics approved by the Commanding General, Services of Supply
2. Work started on pilot model 5-31-42
3. Pilot completed
4. Engineering tests completed
5. Services tests initiated
6. All service tests completed
7. Redesign initiated
8. Redesign completed
9. Commanding General, Services of Supply approves standardization or project satisfactorily completed
10. Project dropped 10-30-42

5. Remarks (Show any recent developments since the last report.)

379-42 BAG, SLEEPING, ARCTIC, OUTER-CASE.- Further progress on this project is dependent on development of substitute for down. (Temporarily inactive.)

**SECRET**

DEVELOPMENT PROJECTS

**SECRET**

2-15-42

(Date of Initiation)

Quartermaster Corps  
(Supply Service)

1. Project description: Bag Sleeping Artificial Down Project number: PD- 4-42

2. Development laboratories:

3. Cooperating firms: City

State

Cancelled

Secret

Signature

Date

Confidential

By Authority, The Q. M. C.

RAY E. HANEY,

Capt., QMC

7-AUG-1942

4. Progress description

Date

Month Day Year

1. Military characteristics approved by the Commanding General, Services of Supply
2. Work started on pilot model
3. Pilot completed
4. Engineering tests completed
5. Services tests initiated
6. All service tests completed
7. Redesign initiated
8. Redesign completed
9. Commanding General, Services of Supply approves standardization or project satisfactorily completed
10. Project dropped

10-30-42

5. Remarks (Show any recent developments since the last report.)

4-42 BAG, SLEEPING ALL WEATHER.- Dropped, as this is covered by other projects.

**SECRET**

43414

2-12-42  
(Date of Initiation)

**SECRET**

Quartermaster Corps  
(Supply Service)

1. Project description: Boot, Felt

Project number: PD- 228-42

2. Development laboratories:

3. Cooperating firms: City

State

Classification Changed to  
Secret  
Confidential  
By Authority The Q. M. S.  
RAY E. H. ...  
Capt., US.  
Date: 7 AUG 1942

4. Progress description

Date  
Month Day Year

1. Military characteristics approved by the Commanding General, Services of Supply
2. Work started on pilot model
3. Pilot completed
4. Engineering tests completed
5. Services tests initiated
6. All service tests completed
7. Redesign initiated
8. Redesign completed
9. Commanding General, Services of Supply approves standardization or project satisfactorily completed
10. Project dropped

6-30-42

10-30-42

5. Remarks (Show any recent developments since the last report.)

228-42 BOOTS, FELT.- Dropped, as this project was merely one of several items tested for arctic wear.

**SECRET**

43414

7-25-42

(Date of Initiation)

**SECRET**

Quartermaster Corps

(Supply Service)

1. Project description: Cape Rain

Project number: PD- 412-42

2. Development laboratories:

3. Cooperating firms:

City

State

Classification Changed to  
 Canceled By Authority The O. M. C.  
 Secret RAY E. M. VEY,  
 Signature Capt., QMG  
 Date: 7 AUG 1942

4. Progress description

Date

Month Day Year

- 1. Military characteristics approved by the Commanding General, Services of Supply
- 2. Work started on pilot model
- 3. Pilot completed
- 4. Engineering tests completed
- 5. Services tests initiated 8-31-42
- 6. All service tests completed
- 7. Redesign initiated
- 8. Redesign completed
- 9. Commanding General, Services of Supply approves standardization or project satisfactorily completed
- 10. Project dropped 10-30-42

5. Remarks (Show any recent developments since the last report.)

412-42 CAPE, RAIN.- Dropped, as this comes under the general raincoat and poncho problem.

**SECRET**

43414

DEVELOPMENT PROJECTS

July 24, 1942  
(Date of Initiation)

Quartermaster Corps  
(Supply Service)

1. Project description:

Project number: PD- 423-42

Duck for Equipage (Lowering weight without decreasing strength)

2. Development laboratories:

National Bureau of Standards

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**SECRET**

3. Cooperating firms:

Saco Lowell Co.  
John A. Cairns Co.  
Copeland Laboratories  
Lockwood Greene & Co.

City  
Biddeford  
New York  
Flint  
New York

State

Maine  
N. Y.  
Mich  
N.Y.

Classification Changed to  
Cancelled  
By Authority  
Signature  
Date: 7 NOV 1942  
Secret  
The C. M. S.  
RAY E. HALEY,  
Capt., QMC  
Confidential

4. Progress description

Date  
Month Day Year

1. Military characteristics approved by the Commanding General, Services of Supply
2. Work started on pilot model
3. Pilot completed
4. Engineering tests completed
5. Services tests initiated
6. All service tests completed
7. Redesign initiated
8. Redesign completed
9. Commanding General, Services of Supply approves standardization or project satisfactorily completed
10. Project dropped

10-30-42

5. Remarks (Show any recent developments since the last report.)

423-42 DUCK FOR EQUIPAGE.-(Lowering of weight without increasing strength.)  
Dropped, inasmuch as manufacturers report they are unable to successfully weave the treated yarns into fabric.

**SECRET**

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43414

**SECRET**

**RESTRICTED**

6-1-42  
(Date of Initiation)

Quartermaster Corps  
(Supply Service)

1. Project description: Goggles, All Plastic Project number: PD- 348-42

2. Development laboratories:  
National Bureau of Standards

3. Cooperating firms:	City	State
American Optical Co.	Southbridge	Mass
Columbia Protektonite Co.	Carlstadt	N. J.

**Classification Changed to**  
**Secret**  
**Confidential**  
Cancelled by Authority of **The O. M. S.**  
**RAY E. M'VEY,**  
**Capt., GPOC**  
Signature: \_\_\_\_\_  
Date: 7 AUG 1942

4. Progress description

	Date
	<u>Month Day Year</u>

- |  |          |
|--|----------|
| 1. Military characteristics approved by the Commanding General, Services of Supply                     |          |
| 2. Work started on pilot model   | 7-31-42  |
| 3. Pilot completed   | 8-31-42  |
| 4. Engineering tests completed   |          |
| 5. Services tests initiated  | 8-31-42  |
| 6. All service tests completed   |          |
| 7. Redesign initiated  |          |
| 8. Redesign completed  |          |
| 9. Commanding General, Services of Supply approves standardization or project satisfactorily completed |          |
| 10. Project dropped  | 10-30-42 |

5. Remarks (Show any recent developments since the last report.)

348-42 GOGGLE, ALL PLASTIC, FOR MECHANIZED GROUND PERSONNEL.- Dropped, as action is being taken to standardize Goggle, Light.

**SECRET**

**RESTRICTED**

43414

7 - 10 - 42  
(Date of Initiation)

Quartermaster Corps  
(Supply Service)

1. Project description: Insignia Cap & Collar,  
ASC

Project number: PD-367-42

2. Development laboratories:

3. Cooperating firms:

Commonwealth Plastic Co.  
Tennessee Eastman Corp.

City  
Leominster  
Washington

State  
Massachusetts  
D. C.

**SECRET**  
Classification Changed to  
Secret  
By Authority The C. M. ...  
RAY E. ...  
Capt, ...  
Date: 7 ...

4. Progress description

Date

Month Day Year

1. Military characteristics approved by the Commanding General, Services of Supply
2. Work started on pilot model ----- 8 - 12 - 42
3. Pilot completed ----- 7 - 31 - 42
4. Engineering tests completed
5. Services tests initiated
6. All service tests completed
7. Redesign initiated
8. Redesign completed
9. Commanding General, Services of Supply approves standardization or project satisfactorily completed
10. Project dropped

10-30-42

5. Remarks (Show any recent developments since the last report.)

367-42 INSIGNIA, CAP & COLLAR, A.S.C.- Insignia developed and approved by A.S.C.  
Dropped in view of dissolution of A.S.C. as such.

**SECRET**

9

43414

**RESTRICTED SECRET**

1-1-42

(Date of Initiation)

Quartermaster Corps

(Supply Service)

1. Project description; Leather Substitution and Project number: PD- 104-42  
conservations

2. Development laboratories:  
Boston QMC Depot  
Jeffersonville QMC Depot  
N.D.R.C.

3. Cooperating firms:  
Atlas Powder Co.  
DuPont Co.  
Textile Leather Co.

City	State
Wilmington	Del
Wilmington	Del.
Toledo	Ohio

Classification Changed To  
 Secret  
 By Authority The C. M. B.  
 RAY E. HAYES, Jr.  
 Capt. QMC

Signature  
 Date: \_\_\_\_\_

4. Progress description

Date  
 Month Day Year

1. Military characteristics approved by the Commanding General, Services of Supply
2. Work started on pilot model
3. Pilot completed
4. Engineering tests completed
5. Services tests initiated
6. All service tests completed
7. Redesign initiated
8. Redesign completed
9. Commanding General, Services of Supply approves standardization or project satisfactorily completed
10. Project dropped

10-30-42

5. Remarks (Show any recent developments since the last report.)

104-42 LEATHER SUBSTITUTION AND CONSERVATION.- Dropped, as this is a general study now being conducted by NDRC.

**RESTRICTED SECRET**

43414

6-19-42

(Date of Initiation)

**SECRET**  
**RESTRICTED**

Quartermaster Corps  
(Supply Service)

1. Project description: Poles, Tent

Project number: PD-309-42

2. Development laboratories:

3. Cooperating firms:

	City	State
Eastman Kodak Co.	Rochester	N. Y.
Hoosier Tent Awning Co.	Indianapolis	Ind.
Janseen Piano Co.	Brooklyn	N.Y.
Therling Lothman Mfg. Co.	St. Louis	Mo.
Wurlitzer Piano Co.	DeKalb	Ill

Classification Changed to  
Secret  
Confidential  
By Authority The Q. M. G.  
RAY E. HALEY,  
Capt., QMCG  
Signature  
Date: 7 NOV 1942

4. Progress description

Date  
Month Day Year

1. Military characteristics approved by the Commanding General, Services of Supply
2. Work started on pilot model
3. Pilot completed
4. Engineering tests completed
5. Services tests initiated
6. All service tests completed
7. Redesign initiated
8. Redesign completed
9. Commanding General, Services of Supply approves standardization or project satisfactorily completed 10-30-42
10. Project dropped

5. Remarks (Show any recent developments since the last report.)

309-42 POLE, TENT, LIGHTWEIGHT.- Completed. Samples for specifications and procurement forwarded to Jeffersonville QMD 8/10/42.

**SECRET**  
**RESTRICTED**

43414

5-5-42  
(Date of Initiation)

Quartermaster Corps  
(Supply Service)

**SECRET**  
DECLASSIFIED

1. Project description: Ration Mountain

Project number: PD- 370-42

2. Development laboratories:

3. Cooperating firms: City State

Classification Changed to  
Confidential  
Secret  
By Authority The Q. M. G.  
RAY E. RILEY  
Capt., QMC  
Signature \_\_\_\_\_  
Date: \_\_\_\_\_  
Month Day Year

4. Progress description

1. Military characteristics approved by the Commanding General, Services of Supply
2. Work started on pilot model
3. Pilot completed
4. Engineering tests completed
5. Services tests initiated
6. All service tests completed
7. Redesign initiated
8. Redesign completed
9. Commanding General, Services of Supply approves standardization or project satisfactorily completed 10-30-42
10. Project dropped

5. Remarks (Show any recent developments since the last report.)

370-42 RATION, MOUNTAIN.- Completed. Mountain Ration under procurement.  
370-42A Development completed on 4 oz. cheese package.

**SECRET**  
DECLASSIFIED

43414

6-1-42  
(Date of Initiation)

Quartermaster Corps  
(Supply Service)

1. Project description: Saw Band

Project number: PD- 312-42

2. Development laboratories:

3. Cooperating firms:

City

State

Classification Changed To  
 Canceled Secret  
 By Authority The Q. M. C.  
 RAY E. [unclear]  
 Capt., [unclear]  
 Signature  
 Date: 7 AUG 1977

4. Progress description

Date

Month Day Year

- |  |          |
|--|----------|
| 1. Military characteristics approved by the Commanding General, Services of Supply                     |          |
| 2. Work started on pilot model   |          |
| 3. Pilot completed   |          |
| 4. Engineering tests completed   |          |
| 5. Services tests initiated  | 6-30-42  |
| 6. All service tests completed   |          |
| 7. Redesign initiated  |          |
| 8. Redesign completed  |          |
| 9. Commanding General, Services of Supply approves standardization or project satisfactorily completed |          |
| 10. Project dropped  | 10-30-42 |

5. Remarks (Show any recent developments since the last report.)

312-42 SAW, BAND.- Project combined with Saw, Buck (#413-42) under that title as the intention is to design the blade so it can be used with or without the frame.

**SECRET**

43414

7-10-42

(Date of Initiation)

Quartermaster Corps

(Supply Service)

1. Project description: Slipper Felt

Project number: PD- 395-42

2. Development laboratories:

3. Cooperating firms:

City

State

Mishawaha Rubber Woolen

Mishawaka

Ind.

Classification:   
Cancelled By Authority: The SECRETARY  
Signature: \_\_\_\_\_  
Date: 17 AUG 1942  
Capt. \_\_\_\_\_

4. Progress description

Date

Month Day Year

- |  |          |
|--|----------|
| 1. Military characteristics approved by the Commanding General, Services of Supply                     |          |
| 2. Work started on pilot model   | 7-10-42  |
| 3. Pilot completed   | 7-31-42  |
| 4. Engineering tests completed   |          |
| 5. Services tests initiated  | 7-31-42  |
| 6. All service tests completed   |          |
| 7. Redesign initiated  |          |
| 8. Redesign completed  |          |
| 9. Commanding General, Services of Supply approves standardization or project satisfactorily completed |          |
| 10. Project dropped  | 10-30-42 |

5. Remarks (Show any recent developments since the last report.)

395-42 SLIPPER, FELT.- Dropped, as a project as this is merely an item being considered for test.

SECRET

43414

1-29-42  
(Date of Initiation)

Quartermaster Corps  
(Supply Service)

**SECRET**  
REF ID: A61210

- 1. Project description: Spring Fabric Mattress Project number: PD-434-42
- 2. Development laboratories:  
National Bureau of Standards

3. Cooperating firms: City State

Classification changed to  
 Canceled Secret Confidential  
 By Authority The Q. M. S.  
 RAY E. MCKEY,  
 Capt., QMC  
 Signature  
 Date: 7 AUG 1942

4. Progress description Date  
Month Day Year

- 1. Military characteristics approved by the Commanding General, Services of Supply
- 2. Work started on pilot model
- 3. Pilot completed
- 4. Engineering tests completed
- 5. Services tests initiated
- 6. All service tests completed
- 7. Redesign initiated
- 8. Redesign completed
- 9. Commanding General, Services of Supply approves standardization or project satisfactorily completed
- 10. Project dropped 10-30-42

5. Remarks (Show any recent developments since the last report.)

349-42 SPRING FABRIC, MATTRESS (NO-SAG).- Dropped in lieu of work being done under project #489-42, Spring, Fabric, Bed.

**SECRET**  
REF ID: A61210  
- 15 -

43424

**SECRET**  
**RESTRICTED**

10/8/42  
(Date of Initiation)

Quartermaster Corps  
(Supply Service)

1. Project description:  
Stirrup, Safety

Project number: PD-468-42

2. Development laboratories:

3. Cooperating firms:

City

State

Cancelled <sup>Authorized</sup> <sup>By</sup> <sup>Authority</sup> <sup>Secret</sup> <sup>Confidential</sup>  
By Authority The Q. M. C.  
Signature RAY E. M. KEY,  
Capt., QMC  
Date: 7 AUG 1943

4. Progress description

Date  
Month Day Year

1. Military characteristics approved by the Commanding General, Services of Supply 10/1/42
2. Work started on pilot model
3. Pilot completed
4. Engineering tests completed
5. Services tests initiated
6. All service tests completed
7. Redesign initiated
8. Redesign completed
9. Commanding General, Services of Supply approves standardization or project satisfactorily completed
10. Project dropped 10/30/42

5. Remarks (Show any recent developments since the last report.)

468-42 STIRRUP, SAFETY.- Dropped on directive from A.G.F.

**SECRET**  
**RESTRICTED**

**SECRET**  
**RESTRICTED**

9-25-42  
(Date of Initiation)

Quartermaster Corps  
(Supply Service)

1. Project description: Taps, Rubber Corded

Project number: PD-156-42

2. Development laboratories:

3. Cooperating firms: City State

**Cancelled**  
**By Authority** Secret  
The Q. M. S.  
RAY E. [unclear]  
Capt., QMC  
**Date:** 7 AUG 1970

4. Progress description Date  
Month Day Year

- 1. Military characteristics approved by the Commanding General, Services of Supply
- 2. Work started on pilot model
- 3. Pilot completed
- 4. Engineering tests completed
- 5. Services tests initiated 11-30-41
- 6. All service tests completed
- 7. Redesign initiated
- 8. Redesign completed
- 9. Commanding General, Services of Supply approves standardization or project satisfactorily completed
- 10. Project dropped 10-30-42

5. Remarks (Show any recent developments since the last report.)

156-42 TAPS, RUBBER.- Dropped as there is an existing specification. This is a continuous study to improve present type eliminating the use of natural rubber. For further reports see Proj. No. 85-42, Heels & Soles, Substitute for Rubber.

**SECRET**  
**RESTRICTED**

7-7-42

(Date of Initiation)

Quartermaster Corps  
(Supply Service)

**RESTRICTED**  
**SECRET**

1. Project description: Vest String

Project number: PD- 401-42

2. Development laboratories:

3. Cooperating firms:

City

State

**RESTRICTED**  
Cancelled By Authority of the Q. M. S.  
RAY E. HAYES, Capt., QMC  
Signature  
Date: 7 AUG 1942

4. Progress description

Date  
Month Day Year

1. Military characteristics approved by the Commanding General, Services of Supply
2. Work started on pilot model
3. Pilot completed
4. Engineering tests completed
5. Services tests initiated
6. All service tests completed
7. Redesign initiated
8. Redesign completed
9. Commanding General, Services of Supply approves standardization or project satisfactorily completed
10. Project dropped

10-30-42

5. Remarks (Show any recent developments since the last report.)

401-42 VEST, STRING.- Dropped, as this is merely an item considered for test in cold chamber.

**RESTRICTED**  
**SECRET**

43414

3-14-42  
(Date of Initiation)

Quartermaster Corps  
(Supply Service)

1. Project description: Wax Ski

Project number: PD- 56-42

2. Development laboratories:

3. Cooperating firms: City State

**SECRET**  
**RESTRICTED**

Classified By Authority The C. M. G. RAY E. H. KEY, Capt., QMC  
Signature Date: ? NOV 1942

4. Progress description Date  
Month Day Year

- 1. Military characteristics approved by the Commanding General, Services of Supply
- 2. Work started on pilot model
- 3. Pilot completed
- 4. Engineering tests completed 4-30-42
- 5. Services tests initiated 4-30-42
- 6. All service tests completed 7-31-42
- 7. Redesign initiated
- 8. Redesign completed
- 9. Commanding General, Services of Supply approves standardization or project satisfactorily completed
- 10. Project dropped

5. Remarks (Show any recent developments since the last report.)

Completed. Wax is being purchased on basis of sample. 10/30/42

**SECRET**  
**RESTRICTED**  
19

43414