

55-44

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Metallic Tube Retainer

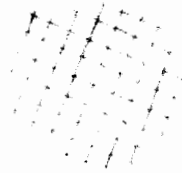
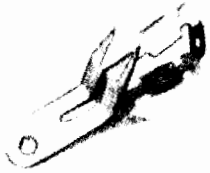
Cabinet Screen

FROM

TO

FROM

TO



4.2¢

.9¢

28¢

18¢

Wire Mesh

Perforated Sheet
Metal

SAVINGS -- \$22,000/yr.

SAVINGS -- \$12,000/yr.

For part of requirement (700,000) simpler
retainer could be used.

Allows essential cooling and adequate
protection.

For more information --

Fred Schnoor, Value Analyst, Syracuse

For more information --

Fred Schnoor, Value Analyst, Syracuse

Class of improvement --

- Better idea
- Better design
- Better supplier
- Better manufacturing methods
- Better use of something available.

12/53

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Schenectady 2

Class of improvement --

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

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Schenectady 4

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Television Tube Support

FROM



11¢
Moulded Rubber
Gasket

TO



1¢
Gun Squirted
Rubber Gasket

SAVINGS -- \$46,000/yr.

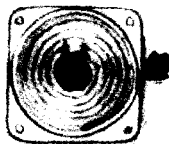
Specialist who squirts rubber gaskets
into jelly glass lids was brought into the
plant and adapted his process for our use.

5
5

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all of us do our jobs better

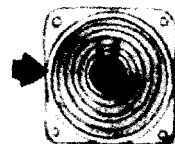
Radio and Television Speaker

FROM



Savings on 4" to 12" speaker
varies between 2¢ and 8¢ ea.
adhesive mounted
fiber washer

TO



gun squirted
rubber washer

SAVINGS -- \$76,000/yr.

Specialist who squirts rubber gaskets into
jelly jar lids was brought into the plant and
adapted his processes for our use.

6
6

For more information --

Fred Schnoor, Value Analyst, Syracuse

Specialist suppliers assisting --

Dewey and Almy Chemical Company
Cambridge 40, Massachusetts

Class of improvement --

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

12/53

5

For more information --

Fred Schnoor, Value Analyst, Syracuse

Specialist suppliers assisting --

Dewey and Almy Chemical Company
Cambridge 40, Massachusetts

Class of improvement --

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

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Schenectady

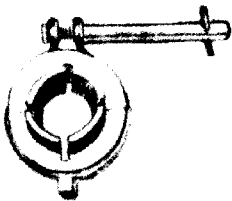
12/53

6

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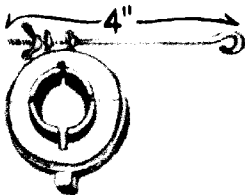
Tuning Screw

FROM



11.8¢
Inside Threaded
Tube Assembly

TO



2.5¢
Headed Roll-
Threaded Eye-
screw

SAVINGS -- \$28,000/yr.

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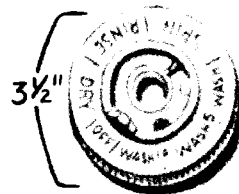
Appliance Control Dial

FROM



12¢
Hot Stamp
Lettering

TO



6¢
Letters auto-
matically Paint
Filled and Wiped

SAVINGS -- \$6000/yr.

Worked with specialist supplier getting
his suggestions and quotations.

7 7

New supplier built small automatic ma-
chine which provided a better product and
cut costs in half.

10
10

For more information --

Fred Schnoor, Value Analyst, Syracuse

For more information --

A. G. Hoyt, Jr., Value Analyst,
Louisville

Specialist suppliers assisting --

Townsend Company
New Brighton, Pennsylvania

Specialist suppliers assisting --

National Organ Supply Company
Erie, Pennsylvania

Class of improvement --

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Class of improvement --

- Better idea
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

12/53

Value Analysis Services
Schenectady 7

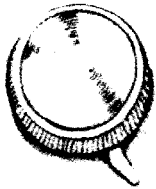
12/53

Value Analysis Services
Schenectady 10

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Potentiometer Knob

FROM

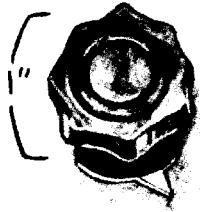


\$2.25

Special Aluminum Knob

Quantity ---- 400/year
Save 9/10 of the Cost.

TO



25¢

Standard Plas-
tic-Metal Knob

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all of us do our jobs better

Dial Hub

FROM

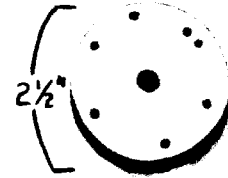


1.27

Machined Steel

Quantity ---- 2000/yr.
Save 9/10 of the cost.

TO



13¢

Available
Aluminum
Disc --
Drilled

Provided suitable available standard for use
on the job.

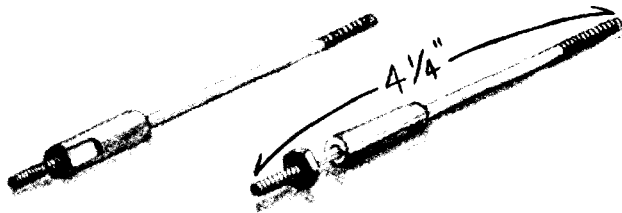
Aluminum Company supplies in bulk, stan-
dard discs of suitable dimension. Flatten
and drill for the same function with even
lighter weight.

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all of us do our jobs better

Spacer Stud

FROM

TO



15-1/2¢
Screw Machine
Part

2-1/2¢
Upset and Roll-
thread Stud plus
Rolled Spacer

SAVINGS -- \$52,000/yr.

15

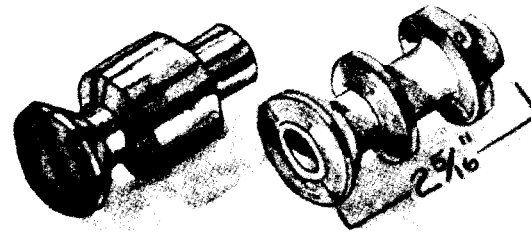
15

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all of us do our jobs better

V Belt Pulley

FROM

TO



60¢
Screw Machined
Steel Pulley

23¢
Die Cast
Pulley

SAVINGS -- \$22,000/yr

16

16

The two functions of "holding something together" and "separating something" were provided by two functional parts.

Worked with die casting supplier to achieve same performance from his product.

For more information --

Value Analysis Services, Schenectady

For more information --

Value Analysis Services, Schenectady

Specialist suppliers assisting --

Upset Roll Threaded Stud

Townsend Company

New Brighton, Pennsylvania

Rolled Spacer

E. R. Wagner Mfg. Co.

4611 N. Thirty-Second Street

Milwaukee 9, Wisconsin

Class of improvement --

Better idea.

Better design.

Better supplier.

Better manufacturing methods.

Better use of something available.

Class of improvement --

Better idea.

Better design.

Better supplier.

Better manufacturing methods.

Better use of something available.

12/53

Value Analysis Services
Schenectady

15

12/53

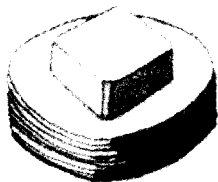
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Schenectady

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Plug

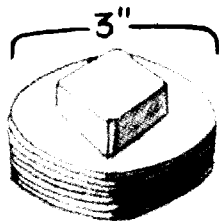
FROM



\$15

Machined from
bar--in factory

TO



\$3

Purchased at
plumbing
supply store

Small quantities

Same performance for 1/5 the cost

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all of us do our jobs better

Stainless Button

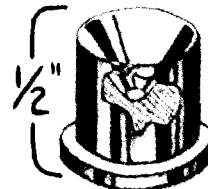
FROM



6¢

Screw Machined
from bar

TO



2¢

Cold Headed

REQUIREMENTS -- \$50,000/yr

Looked up function of plug, then investi-
gated standard available plugs.

By truncating the cone slightly, which
does not alter the functioning of the part,
it could be successfully made on header
equipment.

For more information --

Value Analysis Services, Schenectady

For more information --

Value Analysis Services, Schenectady

Specialist suppliers assisting --

Schenectady Screw machine Dept.

Class of improvement --

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

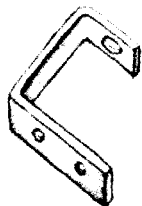
Class of improvement --

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

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Bracket

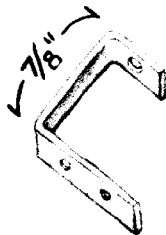
FROM



\$13.30/M
Formed and tapped
on conventional eq.

QUANTITY -- 1,000,000/yr.

TO

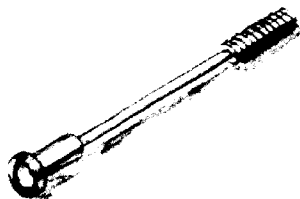


\$2.63/M
Made on spe-
cialists eq.

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Undercut Screw

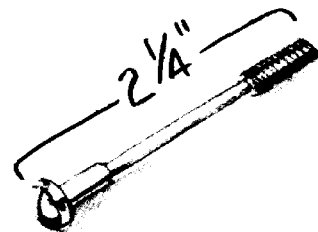
FROM



15¢
Screw Machined
from Steel Bar

QUANTITY -- 20,000/yr.

TO



1-1/2¢
Cold Headed
Roll-Threaded
Undercut made
on Roll Threader

Worked with specialist supplier who makes
only small parts having tapped holes and
has specialized equipment for that purpose.

19 19

Worked with supplier who experimented and
found that he could remove the metal at the
undercut on the roll threader stroke.

20 20

For more information --
Value Analysis Services, Schenectady

For more information --
Value Analysis Services

Specialist suppliers assisting --
Mohawk Manufacturing Company
56 Hamlin Street
Middletown, Connecticut

Specialist suppliers assisting --
Rockford Screw Products Co.
Rockford, Illinois

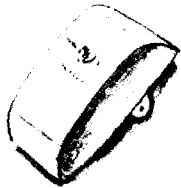
Class of improvement --
 Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

Class of improvement --
 Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

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Cover

FROM



60¢
Die Casting

TO



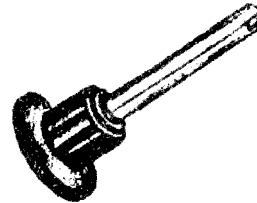
21¢
Steel Stamping

SAVING - \$39,000/yr

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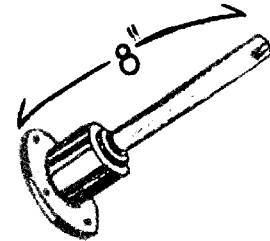
Hub and Shaft

FROM



\$1.12
Machined shaft
Assembled to
machined hub

TO



\$.63
Machined shaft
Hub die cast on

SAVINGS -- \$29,000/yr.

Supplier studied application--submitted
drawings and prices.

Worked with vendor who was able to use
shaft as an insert-die casting on hub.

For more information --
Value Analysis Services, Schenectady

For more information --
Value Analysis Services, Schenectady

Specialist suppliers assisting --
Geometric Stamping Company, Inc.
1111 East 200th Street
Euclid, Ohio

Specialist suppliers assisting --
Dollin Die Casting
Irvington, New Jersey

Class of improvement --
 Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

Class of improvement --
 Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

Value Analysis Services
Schenectady

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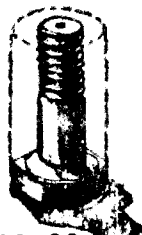
Value Analysis Services
Schenectady

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Trunnion Bolt

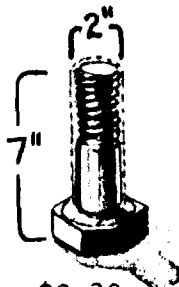
FROM



\$11.33 ea.

Made from round
bar stock

TO



\$2.28 ea.

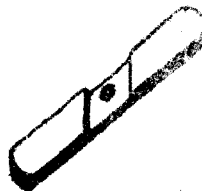
Standard C1A5 bolt
made from a hot
headed blank

SAVINGS -- \$20,000/yr.

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Counter Weight

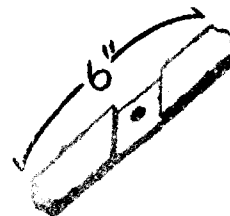
FROM



\$.63/M

Flash ground ends

TO



\$.57/M

Omit flash grinding

SAVINGS -- \$2,100/yr.

Value Analyst contacted our Standard
Services Dept.

Counter weight hidden in product,
elimination of un-needed finishes
produced the above savings.

For more information --
John Fitzsimmons, Turbine Div.
Schenectady

For more information --
Value Analysis Services, Schenectady

Specialist suppliers assisting --
Erie Nut & Bolt Company
Bethlehem Steel Company

Specialist suppliers assisting --
G. E. Foundry
Schenectady, New York

Class of improvement --
 Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better used something available.

Value Analysis Services
Schenectady

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Class of improvement --
 Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

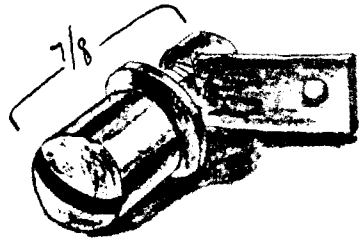
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Schenectady

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Terminal

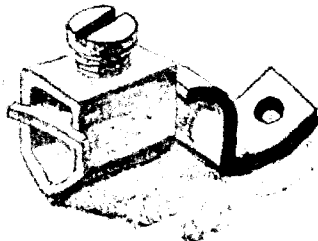
FROM



\$64.64/M

Two screw machine
parts and one
stamping

TO



\$47.79/M

Terminal suppliers
part made from
tubing and stamping

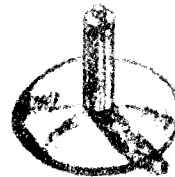
SAVINGS -- \$15,352/Yr.

Complete device sent to terminal suppliers.
Returned with his standard terminals
assembled in the device.

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Push Button

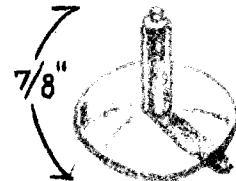
FROM



19¢

Screw machine pt.

TO



2¢

Cold headed from
aluminum wire.

SAVING -- \$22,000/year

Out of several suppliers consulted,
one supplier was found skillful enough
to cold head this part.

For more information --
Value Analysis Services, Schenectady

For more information --
Value Analysis Services, Schenectady

Specialist suppliers assisting --
IlSCO Copper Tube & Products, Inc.
Cincinnati, Ohio

Specialist suppliers assisting --
Schenectady Works Screw Machine
and Cold Heading Dept.

Class of improvement --
 Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

Class of improvement --

Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

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Value Analysis Services
Schenectady 30

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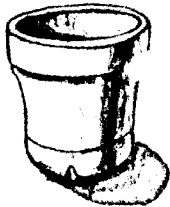
Value Analysis Services
Schenectady

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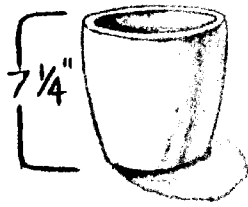
Bottom Cover

FROM



\$1.02 ea.

TO



\$.60 ea.

Aluminum Die Casting Deep Drawn Steel
Stamping

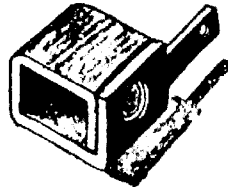
SAVINGS -- \$31,500/yr.

Die cast cover sent to supplier who
specializes in converting castings to
stampings.

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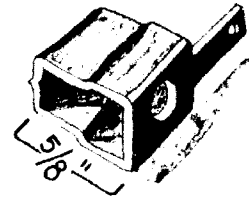
Meter Terminal

FROM



Made from flat stock

TO



Made from tubing

SAVINGS -- \$8000/yr.

Contacted a supplier who specializes in
making terminals from tubing.

For more information --
Value Analysis Services, Schenectady

For more information --
Value Analysis Services, Schenectady

Specialist suppliers assisting --
Geometric Stamping Co.
Cleveland, Ohio

Specialist suppliers assisting --
IlSCO Copper Tube & Products Co.
Cincinnati, Ohio

Class of improvement --
 Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

Class of improvement --
 Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

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Value Analysis Services
Schenectady

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Shipping Plate

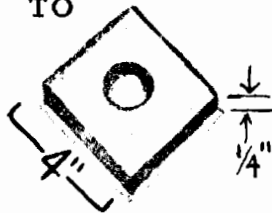
FROM



32¢

Burned out and
machined.

TO



8¢

Made by washer
specialist.

SAVINGS -- \$3,500/yr.

Part was made and used in job shop
Washer specialist supplied as standard
part.

36

36

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Spring-Garbage Disposal

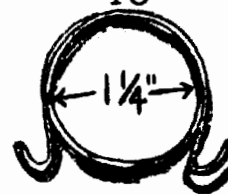
FROM



\$34.00/M

One hook open
One hook closed

TO



\$11.00/M

Both hooks open

SAVINGS -- \$3,300/yr.

This application does not require that the
hook be closed.

37 37

For more information --
Les Wood, Value Analyst
Large Motor & Gen. Dept., Schenectady

For more information --
Value Analysis Services, Schenectady

Specialist suppliers assisting --
Ohio Nut & Washer Co.
Mingo Junction, Ohio

Specialist suppliers assisting --
Wallace Barnes Spring Company
Bristol, Connecticut

Class of improvement --
 Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

Value Analysis Services
Schenectady

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Class of improvement --
 Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

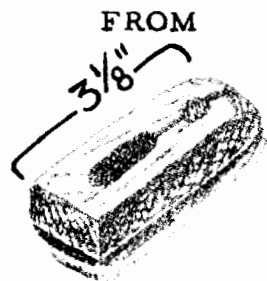
Value Analysis Services
Schenectady

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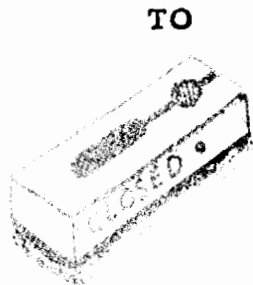
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Valve Handle



\$1.10
Sand Cast and Ma-
chined



\$.60
Precision Investment
Cast No Machining

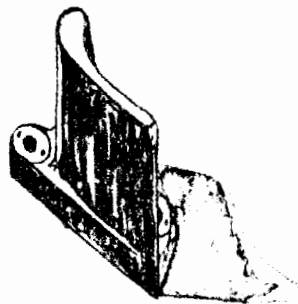
SAVINGS -- \$3300/yr.

Worked with supplier of specialty process
who suggested the lost wax process as an
improved method.

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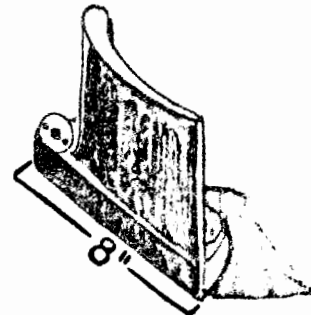
Turbine Fan Inlet Vane (Aluminum)

FROM



\$10.40 ea.
Sand Cast & Machined

TO



\$3.40 ea.
+
\$5000 for right and
left hand molds.
Permanent mold casting
Eliminating machining

SAVINGS -- \$21,000/yr.

Value Analyst worked with General
Engineering Lab which suggested new
molding method.

For more information --
W. C. Ellis, Canadian G. E.

Specialist suppliers assisting --
Gasyle Company
Etobicoke, Ontario, Canada

Class of improvement --
 Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

Value Analysis Services
Schenectady

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For more information --
John Fitzsimmons, Turbine Dept.
Schenectady

Specialist suppliers assisting --
Hamden Brass and Aluminum Co.
Springfield, Massachusetts

Class of improvement --
 Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

Value Analysis Services
Schenectady

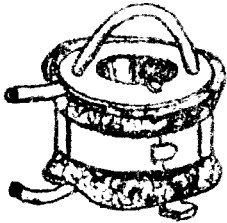
9/54

40

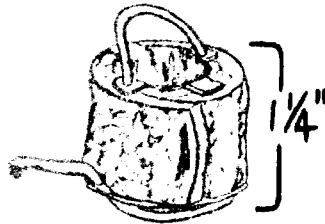
---how Value Specialists are helping
all of us do our jobs better.

Oil Wick Assembly

FROM



TO



\$7.50/M
Aluminum Strap

\$.09/M
Staple

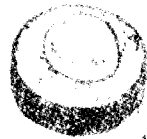
Staple performs the same function at a
fraction of the original cost.

41
41

---how Value Specialists are helping all
of us do our jobs better

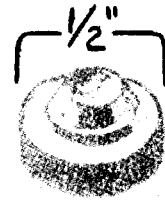
Bumper

FROM



\$24.46/M
Screw-in rubber
bumper

TO



\$9.61/M
Snap-in rubber
bumper

Snap-in bumpers will do the same job
and are more easily assembled into the
cover.

42
42

SAVINGS -- \$444/yr.

For more information --
Value Analysis Services, Schenectady

For more information --
Value Analysis Services, Schenectady

Specialist suppliers assisting --
Acme Steel Company
Chicago, Illinois

Specialist suppliers assisting --
Miller Products Company
New York, New York

Class of improvement --

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

9/54

41

Class of improvement --

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

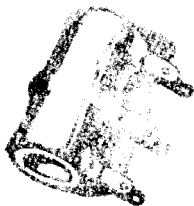
9/54

42

---how Value Specialists are helping
all of us do our jobs better

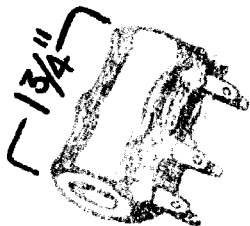
Resistor

FROM



38¢

TO



34¢ First Step
22¢ Second Step

SAVINGS -- \$9,100/yr.. First Step
\$36,400/yr. Second Step

---how Value Specialists are helping
all of us do our jobs better

Acorn Nut

FROM



\$12.24/M
Brass Screw Machine
Part

TO



\$5.76/M
Zinc Die Cast

SAVINGS -- \$2600/yr.

By a vendor survey, a specialist in
resistors supplied a similar part with
approx. a 40% reduction.

In this application, the standard zinc die
cast nuts will perform the same function
as the brass nut.

For more information --
Value Analysis Services, Schenectady

For more information --
Value Analysis Services, Schenectady

Specialist suppliers assisting --
Resistors, Inc.
5228 West 26th Street
Chicago 50, Illinois

Specialist suppliers assisting --
Gries Reproducer Corporation
New Rochelle, New York

Since this was suggested, the price was
lowered by P. A. to 22¢ from P. R. Mallory

Class of improvement --

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Class of improvement --

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

Value Analysis Services
Schenectady

9/54

43

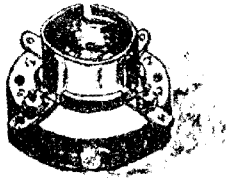
9/54

44

---how Value Specialists are helping
all of us do our jobs better

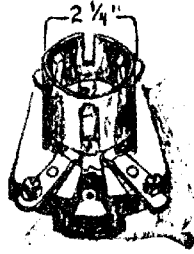
Rectifier Tube Base

FROM



\$6.80

TO



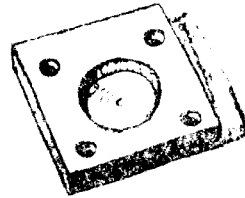
\$1.80

SAVINGS -- \$750/yr.

---how Value Specialists are helping
all of us do our jobs better

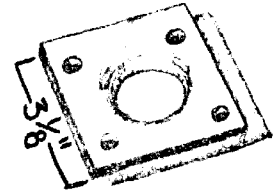
Cylinder Cap

FROM



53¢
Machined

TO



18¢ / \$566 tools
Stamped

SAVINGS -- \$420/yr.

Went to a vendor specializing in sockets.
A good example of Value Analysis on a
low volume item.

45 45

Company manufacturing specialist sug-
gested a design change which allowed a
change from a machined part to a lower
cost stamping.

46 46

For more information --

Value Analysis Services, Schenectady

For more information --

D. L. Carlson, Value Analysis
Loco. & Car Equip., Erie, Pa.

Specialist suppliers assisting --

Johnson Electronic Products
Waseca, Minnesota

Specialist suppliers assisting --

Loco. & Car Equip. Dept.
Erie, Pennsylvania

Class of improvement --

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Class of improvement --

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

45

Value Analysis Services
Schenectady

46

---how Value Specialists are helping
all of us do our jobs better

Terminal Block

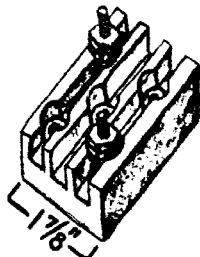
FROM



\$2.52

Machined Asbestos

TO



13¢

Molded Porcelain

SAVINGS -- \$1,900/yr.

if 51 U-BOLT

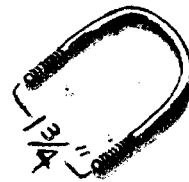
Before



\$1.00 ea.

Made in G. E.

After



\$.08 ea.

Standard Part

Found supplier who manufactures U-Bolts as
a standard item.

By employing a change of design, a molded
porcelain could be utilized.

For more information --

Value Analysis Services, Schenectady

For more information ---

D. L. Eagan
Value Analysis Services
Schenectady

Specialist suppliers assisting --

Hamilton Porcelain Company
Brantford, Ontario, Canada

Specialist Suppliers Assisting ---
Daniels Co. 410 St. Clair Avenue
Cleveland, Ohio

Class of improvement --

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Class of Improvement ---

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

54 INSULATOR STUD

57 CLAMP SUPPORT

Before



\$3.00 ea.

Molded with Mycalex

Annual Savings - \$25,000

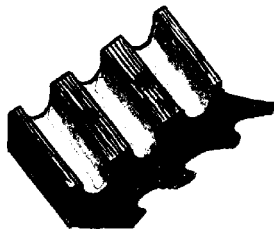
After



\$1.50 ea.

Molded with Clastic

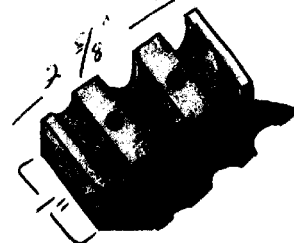
Before



Machined \$.53 each

Sheet stocks

After



Molded - \$.14 each

Worked with specialist supplier who was able to give us same function in a glass reinforced plastic at half the cost.

For more information --
Bob Moore, Value Analyst York, Pa.
Welding Dept., York, Pa.

For more information ---

Phil Spinelli, Value Analyst
Large Motor & Generator Department
Schenectady

Specialist Suppliers assisting - -

Specialist supplier Assisting -----

Glastic Corp,
Cleveland, Ohio

Class of improvement - -

- Better Idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

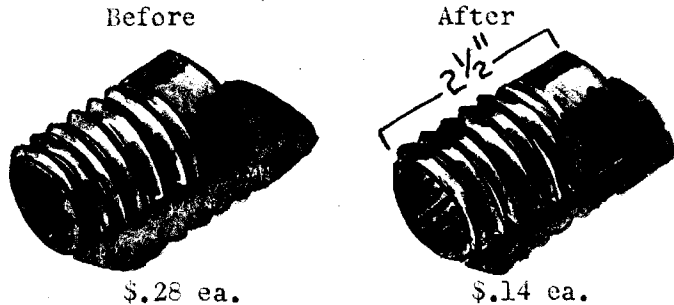
Class of Improvement ----

- Better Idea.
- Better design.
- better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

Value Analysis Ser.
Schenectady

61 GROUT LUG



\$.28 ea.

\$.14 ea.

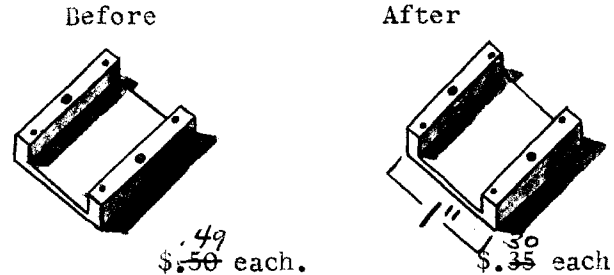
Mchd. 1 1/2" dia. stock Roll 1 3/8" dia. stock
Annual Savings - \$3,500.

Before mach 1 1/2" dia. stock
After Roll 1 3/8" dia.

By working with a specialty supplier we found that you can roll threads up to 4 3/4" dia. from smaller dia. stock 4 times faster than cut threads.

See August 1953 Mfg. Services Bulletin

63 BEARING PLATE



Before

After

^{.49}
~~\$.50~~ each.

^{.30}
~~\$.35~~ each

Saving \$943./Yr.

Method of manufacture was changed from machining individually to machining in strips and then cutting off.

See February 1954 Mfg. Services Bulletin

For more information ---

Dick Hunneman
Steam Turbine
Schenectady

Specialist Suppliers Assisting ----

Bethlehem Steel,
Pittsburgh, Pa.

Class of Improvement ----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information ----

Harold Rocklin, Specialist
Control Department
Schenectady, New York

Specialist Suppliers Assisting ---

Control Department
Schenectady, New York

Class of Improvement ----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

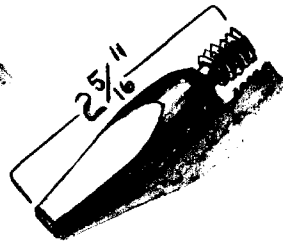
64 SOLDERING IRON TIP

Before



\$.16

After



\$.12

Annual Savings - \$8600

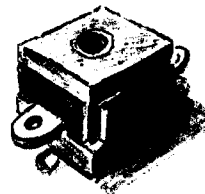
Before - Forged Outside Supplier

After - Headed & Trimmed on punch press
in G. E. Co.

Worked with specialty vendor who was able
to give us same part in formed wire as a
headed piece.

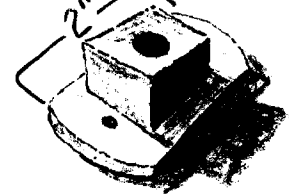
66 INSULATORS CERAMIC

Before



Ceramic 2 stampings
\$.37 ea.

After



Ceramic 1 piece
\$.21 ea.

Saving \$1,100/Yr.

By working with Specialist Supplier able to
incorporate 2 stampings into a 1 piece
ceramic part.

See April 1954 Mfg. Services Bulletin

For more information -----

Sol Tosher, Industrial Heating
Pittsfield, Mass.

Specialist Suppliers assisting ---
G. E. Company Screw Machine Department
Schenectady

Class of improvement ----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information - - -

J. Walstead, Industrial Heating, Schenectady

Specialist suppliers assisting - - -

Class of improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

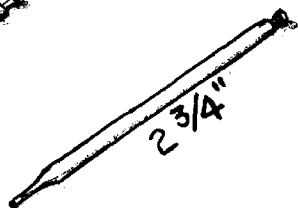
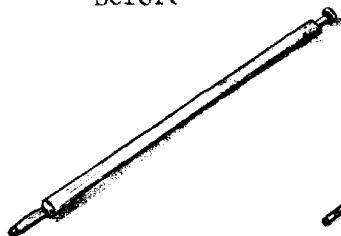
Value Analysis Services
Schenectady

67 CALROD TERMINAL

68 CAM

Before

After



\$.11 Each
Screw Machine

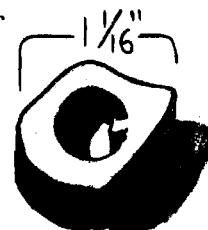
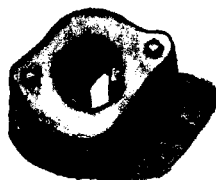
\$.07 each
Swaged

This supplier with special purpose machines swages stock down reducing machining time and scrap loss.

See September 1953 Mfg. Services Bulletin

Before

After



Fabricated, 5 stampings,
2 rivets 12¢ each

Sintered Iron
3¢ each
#775 tools

Annual Savings - \$1600

By working with a specialist supplier, able to make this in a sintered iron 1 pc. unit

See September 1954 Mfg. Services Bulletin

For more information - - -
Sol. Toscher, Industrial Heating, Pittsfield

Specialist Suppliers assisting - - -
Torrington Mfg. Co.

Class of Improvement - - -
 Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

Value Analysis Services
Schenectady

For more information ---
Pete Demos
Power Transformer
Pittsfield

Specialist Suppliers assisting ----

Engineers Plastics Inc.
Div. of American Sinterings
Waterbury, Connecticut

Class of Improvement ----
 Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

Value Analysis Services
Schenectady

67

67

68

69 IMPELLER CASTING

Before



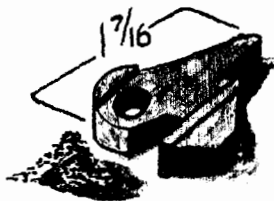
\$.40 each

Cast Bar Machined Outside
Countour c/o then milling
undercuts indiv.

Saving - \$60,000

By working with Specialist Supplier able
to eliminate labor entirely by using a
powdered metal molded pc.

After



\$.10 each

Powdered Iron
No Machining

See February 1953 Mfg. Services Bulletin

70 SPACER

Before



\$.84 ea.

Bar stock

After



\$.34 ea.

Tubing

SAVINGS ---\$5,000/year

Found a Specialist supplier who could
furnish this as a standard item from heavy
wall tubing.

See December 1953 Mfg. Services Bulletin

For more information ----

D. L. Eagan
Schenectady

Specialist Supplier Assisting ---

Beemer Engrg. Co.
Philadelphia, Pa.

Class of Improvement ----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information ---

P. Spinelli
Large Motor & Generator
Schenectady

Specialist Supplier Assisting ---

Peter Frasse Co.,
New York, New York

Class of Improvement ----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Service
Schenectady

MT. PACKING STRIPS #71

This part is an insulating spacer to hold end turns apart on a rotor. The buttons are to let air through.

Before

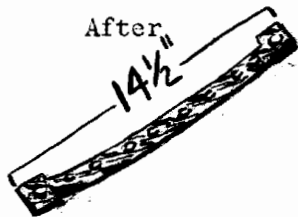
\$3.25 each
Untreated Glass Roving

Savings \$17,000/Yr.

Worked with supplier who was able to furnish treated rovings in different material reducing curving cycle.

See December 1953 Mfg. Services Bulletin

"Before" picture was identical to "After" -
ASUN 6/81
71



\$.70 each
Treated Glass Roving

73 OIL VISION PLATE

Before

\$.25 ea.

1/5 the cost

After

\$.05 ea.

By working with supplier worked up a new die combining blanking and forming operations.



For more information ---

P. Spinelli
Large Motor & Generator
Schenectady

/Specialist Supplier Assn.

Mica Insulator Company
Schenectady

Class of Improvement ----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information ----

P. Spinelli,
Large Motor & Generator
Schenectady

Specialist Supplier Assisting ---

Punch Press Dept.
Bldg. 17, Schenectady

Class of Improvement ---

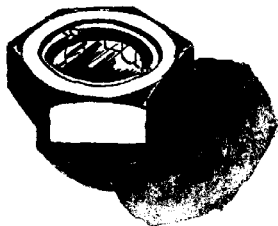
- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

74 OIL SIGHT BODY

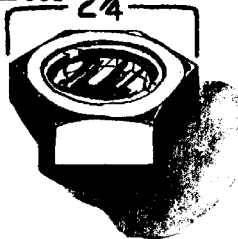
75 INSULATING LINER

Before



\$3.25 ea.
Brass

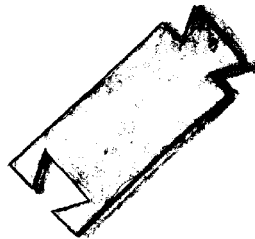
After $2\frac{1}{4}$



\$2.65 ea.
Steel

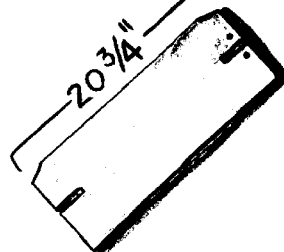
By evaluating function, able to change material from brass to steel.

Before



\$.36 ea.
Keyed

After



\$.12 ea.
Slotted

Savings - \$2400/Yr.

By changing design to reduce labor able to make part performing same function.

For more information ----

P. Spinelli, Large Motor & Generator
Schenectady

Specialist Supplier Assisting ---

Machine Shop,
Large Motor & Generator
Bldg. 16, Schenectady

Class of Improvement --

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information ----

W. H. Adams, Distribution Transformer
Pittsfield

Specialist Supplier assisting ---

Distribution Transformer Dept.
Pittsfield

Class of Improvement ----

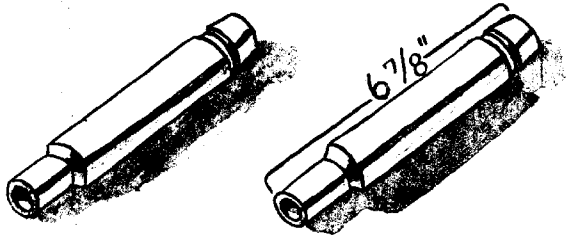
- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

77 INSULATING SLEEVE

Before

After



\$1.02 each

\$.48 each

Savings - \$1400/Yr.

By working with a specialty supplier who manufactures fibre products exclusively we were able to use his material.

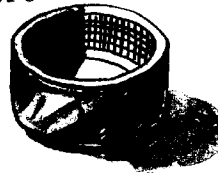
Complete as it stands .S.P.S. 4-7-55

77

78 CAP

Before

After



\$.42 ea.

.26

Savings \$32,000/Yr.

By working with supplier we were able to substitute glass reinforced plastic with improved quality

Complete as it stands - SPS 4-7-55

78

For more information ----

W. H. Adams, Distribution Transformer
Pittsfield

Specialist Supplier Assisting ---

Spauldine Fibre Company

Class of Improvement ---

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information ----

W. H. Adams,
Distribution Transformer
Pittsfield

Specialist Supplier Assisting ---

Glastic Inc.
Cleveland, Ohio

Class of Improvement ---

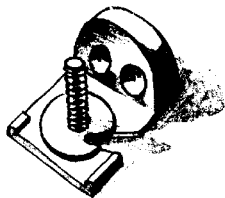
- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

79 TERMINAL

#81 SPACER

Before



After



Stamping .63 ea. Forging \$.24 ea.

Savings - \$4,680 /Yr.

By use of specialty vendor we are able to weld stud to metal portion of this component thereby are able to use stamping eliminating the need for a forging.

Before



\$20.80/M

Screw Machine Washer

After



\$3.57/M

Stamped Washer

Saving \$1,700/Yr.

For more information ----

For more information ---

Wm. H. Adams
Distribution Transformer Dept.
Pittsfield, Mass.

Specialist Supplier Assisting ---

Specialist Supplier Assisting ----

Graham Mfg. Co.

Class of Improvement ----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Class of Improvement ----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

Value Analysis Services
Schenectady

84 HEX HEAD 4.40 NUT

88 ALUMINUM NAME PLATE

Before



Standard \$1.24/M

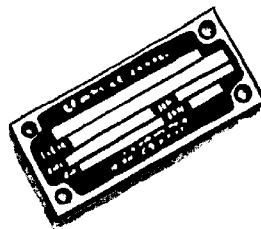
After



Palnut \$.59/M

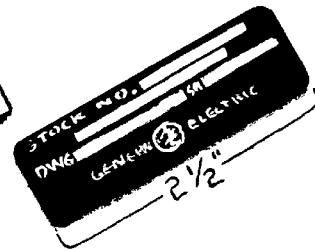
Saving - \$13,000/Yr.

Before



Riveted Alum. \$.07 ea.

After



Adhesive backed
alum. foil
\$.0075 ea.

Saving - Approx. 90%

See January 1955 Mfg. Services Bulletin

For more information -----

Svein Hvamb
Value Service, Schenectady

Specialist Supplier Assisting -----

Palnut Co.
57 Glen Rd.
Mountainside, N. J.

Class of Improvement -----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information -----

Specialist Supplier Assisting -----

Class of Improvement -----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

90, GASKET

91 BRACKET

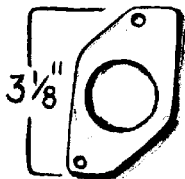
Before



\$33/M

Vegetable Fibre
Saving - \$2200/Yr.

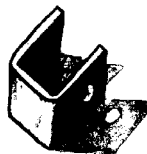
After



\$11/M

Vulcanized Fibre

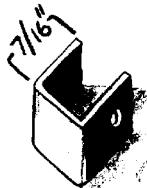
Before



\$8.09/M

G. E. Make

After



\$5.98/M

Specialty Terminal
Supplier

By working with specialty supplier in evaluating function, able to use a commercial fibre at a substantial savings in material.

No Screw Threads

90

91

For more information -----

D. L. Eagan,
Value Analysis Serv.
Bldg. 32-G, Schenectady

Specialty Supplier Assisting ----

Continental Diamond Fibre
Newark Delaware

Class of Improvement ----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information ---

Specialist Suppliers Assisting ----

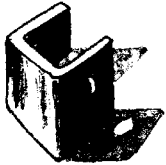
Class of Improvement ----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

92 BRACKET

Before

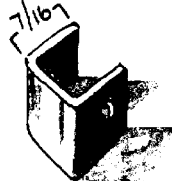


\$16.13/M

Making ourselves

With Screw Thread

After



\$7.61/M

Specialty terminal
supplier

97 INSULATOR CLAMP

Before



\$8.12/C

Made in G.E.

Tools - \$30.00

Annual Saving - \$600./Yr.

After



\$5.00/C

Made by short run
stamping specialist

For more information ----

Specialist Supplier Assisting ----

Class of Improvement ----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information ----

Specialist Supplier Assisting ---

H.P.C. Manufacturing Company
Cleveland

Class of Improvement ----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

99 STEEL WASHER

100 STEEL WASHER

Before



\$14.33/c

Solid Bar Stock Screw Mach.

Savings \$435/Yr.

After



\$2.25/c

Punched

Provided available standard to do the same job.

Before



\$16.67/c

Solid Bar Stock, Screw Mach.

Savings - \$335/Yr.

After



\$3.25/C

Punched

Now use Standard - function the same

For more information ----

H. W. Hagle, Value Analyst
L.&C.E. Dept.
Erie, Pa.

Specialist Supplier Assisting —

United Screw & Bolt Corp.
Cleveland, Ohio

Class of Improvement -----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information ---

H. W. Hagle, Value Analysis
L.&C.E. Dept.
Erie, Pa.

Specialist Suppliers Assisting ----

United Screw & Bolt Corp.
Cleveland, Ohio

Class of Improvement ----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

102 GOVERNOR SPACER

Before



\$.78 Ea.
Screw Machine

After



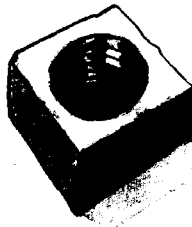
\$.27 Ea.
Turnamat

Saving - \$2,500/Yr.

Supplier Specialist produces on his
Turnomat Special Machine

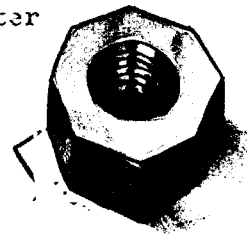
103 PLASTIC HEX NUT

Before



\$.13 Ea.
Machined from Plastic
Sheet

After



.07 Ea.
Machined

Savings - \$1,500/Yr.

See June 1954 Mfg. Services Bulletin

For more information ----

For more information ----

H. W. Hagle, Value Analyst
L&CE Dept.
Erie, Pa.

Specialist Supplier assisting ----

Specialist Supplier assisting -

Turnomat Co., Inc.
Brockport, New York

Class of Improvement -

- Better use.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Class of Improvement ----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

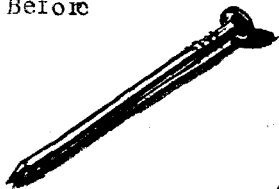
Value Analysis Services
Schenectady

Value Analysis Services
Schenectady

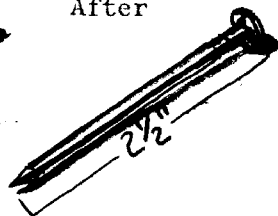
104 NAILS - 2 1/2" COMMON

105 STAY BINDING

Before



After



Ordinary -

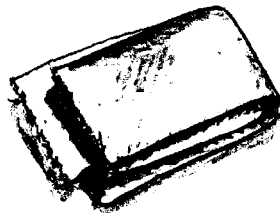
\$9.70 - 100 lb. keg

Dagger -

\$11.76 - 100 lb. keg

Saving using the superior dagger nail
The 100 lb. keg of dagger nails contains
about 25% more nails.

Before



After



Heavy Binding \$.0775 Yd.

Light Weight
\$.0350/Yd.

SAVING - \$1,600/Yr.

The light weight tape has replaced the
heavy in 75% of the application

Dave Sugar

For more information ----

For more information --

Dave Sugar
Canadian G. E.
Toronto, Canada

Specialist supplier assisting ---

Specialist Supplier Assisting ----

Class of Improvement ---

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

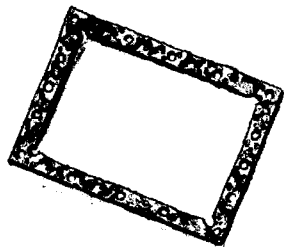
Class of Improvement ----

- Better idea.
- Better design/
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

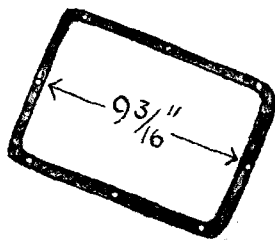
Value Analysis Services
Schenectady

106 GASKET

Before



After



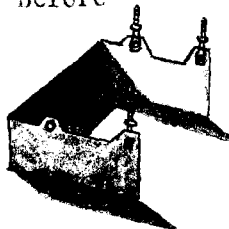
As manufactured \$4.15 Purchased \$.15

Savings - \$3,200 800/Yr.

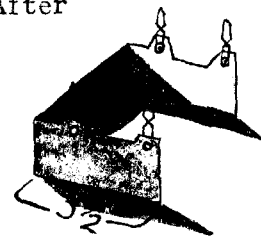
Eric Locomotive

107 RADIATION SHIELD

Before



After



Formerly used spade bolt,
lock washer and nut

Now use spring
clip

Savings per set - 5 1/2 ¢

Fred Schnoor

See February 1955 Mfg. Services Bulletin

For more information - - -

Don Carlson
L&CE Dept, Erie

Specialist Supplier assisting - - -

Erie Locomotive

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information - - -

Fred D. Schnoor
Radio & Television Dept.
Syracuse, New York

Specialist Suppliers assisting - - -

Class of Improvement - - -

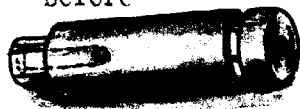
- Better idea.
- Better design
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Service
Schenectady

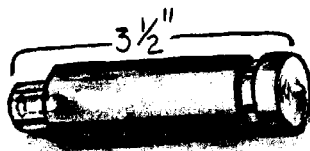
109 RELAY CORE

110 TUBE FOR SPECIALTY CONTROL DEVICE

Before



After



\$.25 Each

\$.18 Each

Annual Saving - \$1400.00

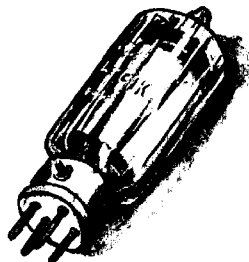
Present: 1 3/8" deep hole requires 2 extra operations. A 1/2" deep hole can be drilled when shoulder is machined and provides ample relief for riveting operation when core is riveted to frame.

Proposed: End is machined after assembly therefore operation for removal of cut off burr is not necessary

(Made in Schenectady Screw Machine)

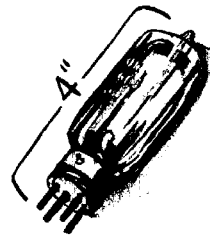
J. Ashworth

Before



CIK Tube
\$8.49 Each

After



CIJ Tube
\$5.96 Ea.

Annual Savings: \$21,000

Made by G. E.
This control device did not need the requirements built into the more expensive tube.

For more information -- -

Frank Gelsleichter
Control Dept. Specialty Control
Waynesboro, Virginia

Specialist Suppliers assisting - - -

Screw Machine Dept.
General Electric
Schenectady, N.Y.

Class of Improvement ---

- Better idea
- Better design
- Better supplier
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information -----

Frank Gelsleichter
Value Analyst
Specialty Control Dept.
Schenectady, New York

Specialist Supplier assisting -----

G. E. Co. Tube Dept. Bldg. 269
Schenectady, New York

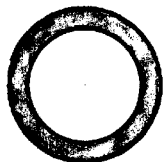
Class of Improvement -----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available

Value Analysis Services
Schenectady

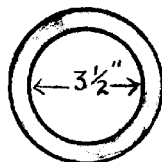
111 GASKET
For Disposal Top Flange

before



\$78.23/M

after



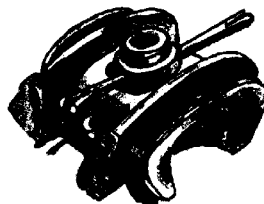
\$60.18/M
Flexible Glycerine
Treated

Approximately 100,000/Yr.

Annual Savings \$1,800

113 INSERT FOR DEFLECTION YOKE COIL

Before



Machined \$87.50 Each

After



Investment Casting
Casting \$13.00
Machining 16.00
\$29.00

Same except process

500 replacement parts per year Total Savings .
\$29,250.

See October 1952 Mfg. Services Bulletin
Page 3

For more information - - -

For more information -----

Specialist Suppliers assisting - - -

Specialist Supplier assisting -----

Dooley & Hill
10 Fiske Pl.
Mt. Vernon, New York

Class of Improvement -----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Class of Improvement - - -

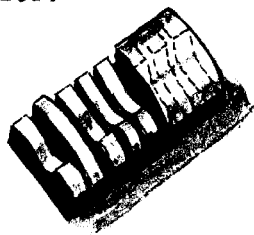
- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

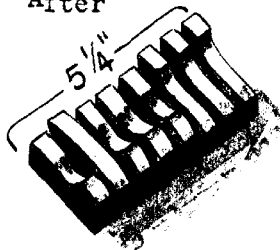
Value Analysis Services
Schenectady

115 CAM BLOCK

Before



After



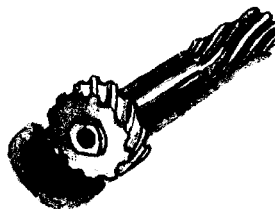
Machined \$113.56/C Molded \$61.20/C

Cam Block for the 17CP2 Contactor

Production of P-67433746 Pt.1 was 6936 last year, none of Pt. 2, 41 of Pt. 3 and 20 of Pt. 4. We paid 27¢ each for Mach. Pt. 1, 304 or 1390 in order to use one cam blank from which we made 20 cams, pt. 3 and 4, worth \$89. A supplier was found who would mold the cam for the above proposed cost.

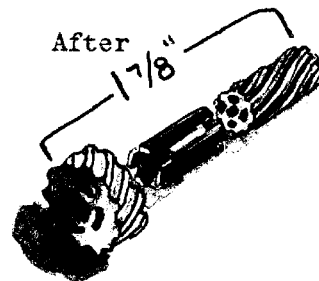
116 MIXER GEAR

Before



\$.81 Each

After



\$.06 1/2 Each

. 3 parts

250,000 used per year.

Savings (Annual) \$186,250.

For more information - - -

Specialist Supplier assisting - - -

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

115

For more information - - -

Specialist Supplier assisting - - -

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

116

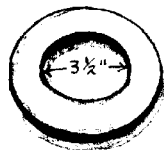
117 CLAMPING RING

Before



Casting \$.13 Each

After

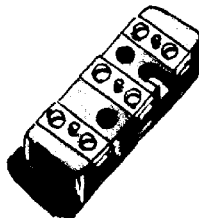


Stamping \$.06 Each

Annual saving - \$7,400.

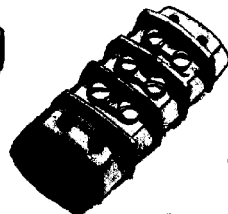
118 DRYER TERMINAL BLOCK

Before

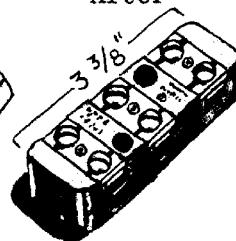


Present

After



Proposed



Adopted

1. Terminal block specially molded, assembled with screw & lock washer for 32¢.
2. Proposed vendor standard of lesser quality at 13¢
3. Adopted simplified block from original vendor, assembled with rivets.

Annual saving - \$7,200.

Started by Value Analysis interest.

For more information - - -

Specialist Supplier assisting - - -

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information - - -

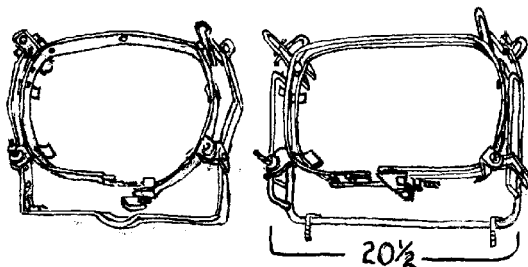
Specialist Supplier Assisting - - -

Class of Improvement ---

- Better idea.
- Better design
- Better supplier
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

120 TUBE MOUNT - 21"

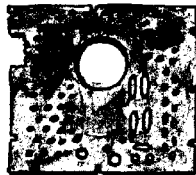


From Stamping & Tape, etc. to
Wire and No Tape.

See February 1955 Mfg. Services Bulletin
Saving - \$.71/Set

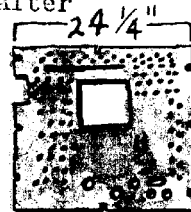
121 BACK WOOD CABINET

Before



\$.38 Each
Masonite Temper Board

After



\$.32 Each
Standard Masonite

Saving of \$.06 each

For more information - - -

For more information - - -

Fred D. Schnoor
Radio & Television Dept/
Syracuse, New York

Specialist Supplier assisting ---

Specialist Supplier Assisting ---

E. H. Titchner
Binghamton, New York

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Class of improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

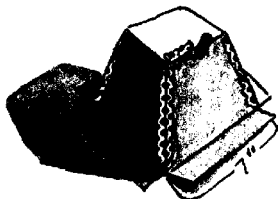
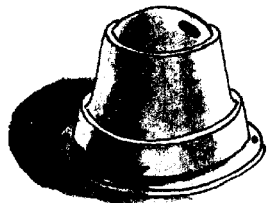
Value Analysis Services
Schenectady

122 PICTURE TUBE PROTECTOR 21"

123 STEEL LEAD TERMINAL

Before

After



\$.228 each
Molded cup

\$.065 each
Formed fibre board

Saving - \$.163 per set

Before

After



Forging \$.19 Ea.

Stamping \$.06 Ea.

Saving - \$825/Yr (or 7%)

Much simpler design has been realized by going to a stamping which provides same function.

See September 1954 Mfg. Services Bulletin

For more information - - -

F. D. Schnoor
Radio Television Department
Syracuse, New York

Specialist Supplier assisting - - -

Class of Improvement - - -

- Better idea.
- Better design.
- Better manufacturing methods.
- Better supplier.
- Better use of something available.

Value Analysis Services
Schenectady

For more information - - -

W. H. Adams, Value Analyst
Distribution Transformer Department
Pittsfield, Mass.

Specialist Supplier assisting - - -

H.P.L. Mfg. Co.

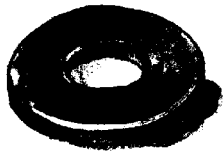
Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

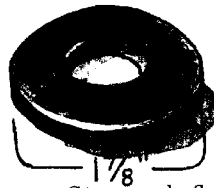
125 STEEL WASHER

Before



Screw machine
from bar stock \$.24 ea.

After



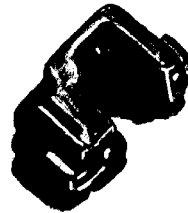
Stamped from
plate stock
\$.05 ea.

Savings: \$2850/Yr. (or 80%)

See September 1954 Mfg. Services Bulletin

127 WALL SWITCH TUMBLER

Before



Re-design of tooling for plastic carriers
for production by modern molding methods
results in a monthly savings of \$1000.

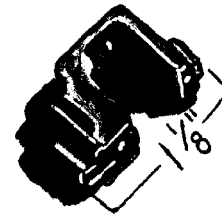
Investment for re-tooling was \$14,000.

The result: The same performance at
two-thirds of the original cost.

Savings - \$12,000/Yr.

See February 1953 Mfg. Services Bulletin

After



For more information -----

Peter S. Demos
Pittsfield, Mass.

Specialist Supplier Assisting - - -

Wrought Iron Washer Co.

Class of Improvement ---

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information - - -

Specialist Supplier assisting - - -

Class of Improvement - - -

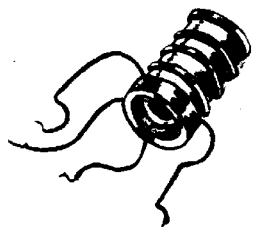
- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

127

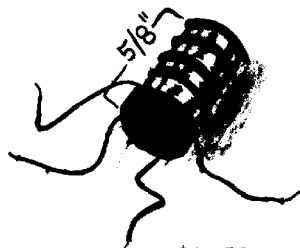
128 SLIP RING

Before



\$13.75 ea.

After



\$8.50 ea.

Savings: \$5.25 ea.

Yearly budgeted qty. 1,000

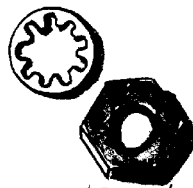
Total savings \$5,250

Explanation: Old method of mfg.
Platinum Plate rings onto nylon
spool.

New method of mfg. Mold preplated rings
onto nylon - better product (sealed Unit)
lower cost.

#129 MIXER-LOCKWASHER & NUT FOR
BOWL PAN ADJUSTING STUD

Before
Lockwasher & Nut
Used



\$6.07/M

After
Regular Palnut
#38S32



\$1.84/M

Savings - \$1,000/Yr.

By showing specialty supplier this part
and its application he was able to furnish
a standard palnut in one piece.

For more information - J. Ettinger
Small & Med. Mtr. Dept., Schenectady

Specialty Supplier - Palnut Co.

For more information - - -

For more information ----

J. Ettinger, Small & Med. Motor Dept.
Schenectady

Specialist Supplier assisting - - -

Specialist Supplier assisting ----
Palnut Company

Class of Improvement -----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods
- Better use of something available.

Class of improvement ----

- Better idea
- Better design
- Better supplier
- Better manufacturing methods
- Better use of something available

Value Analysis Services
Schenectady

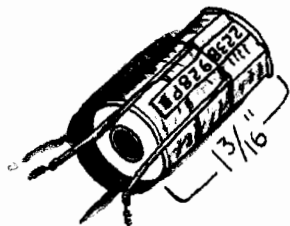
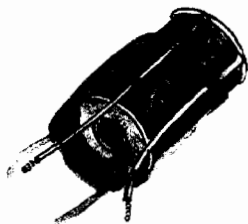
Value Ana' ysis Services
Schenectady

130 RELAY COIL

131 COIL FORMS

Before

After

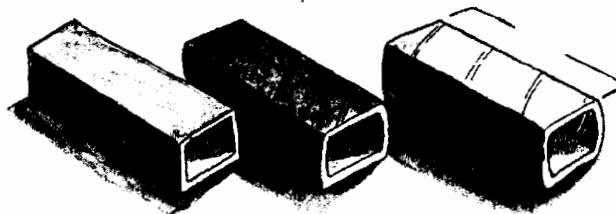


\$.41 Ea.

\$.27 ea.

Saving \$22,000/Yr.

See February 1955 Mfg. Services Bulletin



Change in Material	
4157962	
Coil form	
Old Cost (synthane)	\$20.19/C
Reduction (Cosmolite)	11.94/C
Reduction (Kraft paper)	3.50/C
Savings	<u>\$16.69/C</u>
Budgeted Qty.	40,000
Savings	\$6,676

Explanation:
 First reduction - changed material from an impregnated Phenolic to varnish treated paper.
 Second reduction - a change in winding techniques allowed us to relieve the

mechanical requirements on the tube and use a plain kraft paper tube.

For more information -----

James J. Foley
Instrument Dept.
West Lynn, Mass.

Specialist Supplier assisting ----

For more information ----

Harold Rocklin, Control Dept.
Schenectady, New York

Specialist Supplier assisting ----

Sage Craft Inc.
Norwich, New York

Class of Improvement ----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available

Value Analysis Services
Schenectady

150

Class of improvement ----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

See February 1955 Mfg. Services Bulletin

134

PIN

Before



Pipe 24.00/M

After

Rolled
Spacer 5.00/M

Annual usage 8,500 parts

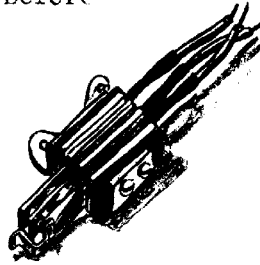
Approximate saving - \$1088.00

Used on control panels of induction &
step voltage regulators

134

135 SWITCH

Before

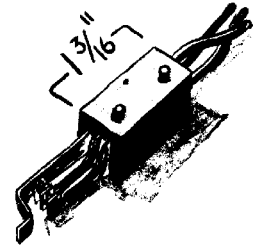


15 parts

Save screws, nuts, spacer, labor

Saving - \$14,000.

After

4 parts
Cast in nylon

135

For more information ----

P. S. Demos
Pittsfield, Mass.

Specialist Supplier Assisting ----

R. E. Wagner & Co.
Milwaukee, Wisconsin

Class of Improvement -----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information ----

Specialist Supplier Assisting ---

Class of Improvement ----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

136 STEEL SPACER

Before

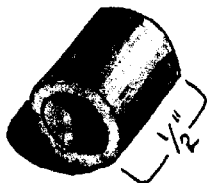


\$.23 Each
Machined from Bar
Stock on Screw
Machine

Saving \$14,500/Yr.

Manufacturing Services Bulletin -
January 1955

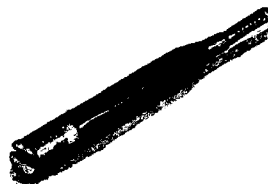
After



\$.085 Each
Powdered Metal Part

137 TAP PLUG

Before

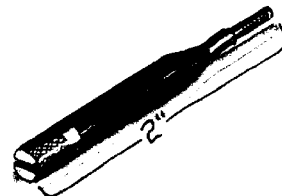


\$20.00/C

Savings \$6,500/Yr.
Quantity 65,000/Yr.

Found new supplier who makes custom
injection molding of nylon.

After



\$10.00/C

For more information ----

D. Hughes
Louisville

Specialist Supplier Assisting ---

Class of Improvement ---

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information ----

Value Analysis Unit
Low Voltage Switchgear Dept.
Philadelphia, Pa.

Specialist Suppliers Assisting ----

Short Run Plastics Supplier
Boaker & Wallestad, Inc.
6020 Wayzata Bldg.
Minneapolis 16, Min..

Class of Improvement ---

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

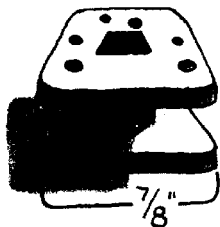
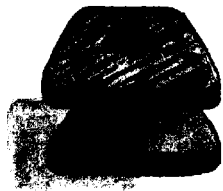
138 COIL FORM

141 collar

#7134671 Pt. 1

Before

After



Before

After



\$29.09/C

\$4.956/C

.40 Each

.03 Each

Molded plastic machined

Molded nylon injection

Saving - \$ /Yr (or 7 1/2%)

From Manufacturing Services Bulletin -
January 1955

Savings Shop Cost - \$23.77/C
Total Savings - \$2,460.00/Yr.

Suggest changing from a Machine Shop Item (#L Brown & Sharpe Turret Lathe & Drill Press) to an outside vendor specializing in screw machine products. Received several firm quotations from Screw Machine Products Specialist on short runs. Selected the Automatic Products Corp. of Worcester, Mass because of best delivery date of 10-15 days, and price CR - 54 - 323
Used on 42FLE1-31, High Band Station-750/Yr.
7134710-7 P.A. Tuner on low
Bank Mobile & Station-9600/Yr.

For more information ----

James J. Foley
Instrument Dept.
West Lynn, Mass.

Specialist Supplier Assisting ---

West Lynn Meter Department

Class of Improvement ---

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Service
Schenectady

For more information -----

Emmett M. Schnelle
Utica Communication & Equip.
509 Kent Street
Utica, New York

Specialist Supplier assisting-----

Automatic Short Run
Screw Machine Vendor

Class of Improvement -----

- Better idea.
- Better design
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

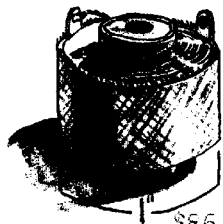
Value Analysis Services
Schenectady

142 CHOKE COIL

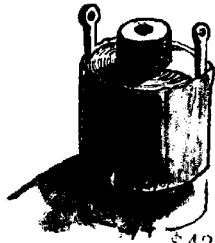
#7133656 Gr. 1

Before

After



\$86.50/C



\$42.00/C

Central Coil Co.

Production Requirements 12,521/yr.

Savings \$44.50/C or 51%

Total Savings \$5,572.00/Yr.

This choke is being made in the Coil Section of our Kent Street Plant. It is now being used on the above models. Construction of this coil has been modified somewhat from existing Dwg. The suggested choke coil is a layer wound coil of Bondeze Fromvar Magnet wire, treated with 74F varnish to give us a tight neat wound coil. Also, method of anchoring ends of coils to terminal has been improved to prevent open circuited coils.

143 PANEL BEARING

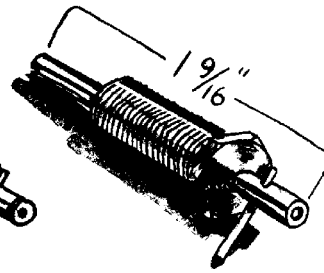
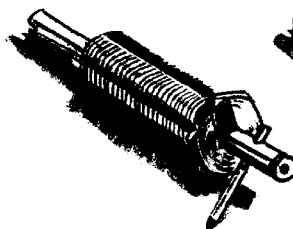
7133941 Pt. 1 & Pt. 2; 7135063 Pt. 1

7139994 Pt. 1;

7140616 Pt. 1;

Before

After



At present we purchase these panel bearings from Bud Radio Inc., Cleveland Ohio, in stock item lengths of 3" per our drawing 7133934 Pt. 1. From this purchased item we machine these items in our machine shop, using a #1 B&S Turret Lathe, Cinn. Milling Machine and Drill Press, to meet our drawing spec. on the 5 items listed above. Suggest purchasing these Panel Bearing from a short run Auto Supplier.

For more information -----

Emmett M. Schnelle
Utica Communication Equip.
509 Kent Street
Utica, New York

Specialist Supplier Assisting ---

Central Coil Co.
Indianapolis, Indiana

Class of Improvement -----

- Better idea.
- Better design
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information ----

Emmett M. Schnelle
Utica Communication & Equip.
509 Kent Street
Utica, New York

Specialist Supplier Assisting ----

Arroball Corp.
Ilion, New York

Class of Improvement -----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

145 ACCORN NUT

146 NUT

Before



\$12.24/M

Brass Screw

Machine Part

After



\$3.66/M

Palnut

Before



\$3.66/M

Palnut

After



\$2.80/M

Standard Hex Nut

Saving \$250/Yr.

Zinc Die Cast \$5.76/M

Annual Savings --\$2,600.

With Palnut 500. more

For more information ----

For more information ----

Roy Siegel

Specialist Supplier Assisting ----

Specialist Supplier Assisting ----

Class of Improvement ---

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Service
Schenectady

Class of Improvement ---

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

147 BEARING LOCKNUT

Before



\$2.80/Each

G.E. Bldg. 40

After



\$.99/Each

Specialist

Saving - \$3,00 - Year

148 MOTOR MOUNTING CLAMP

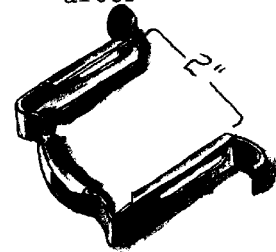
before



\$.09 ea.

4 piece standard

after



.027 ea.

1 piece special

Savings \$7,584/Yr.

A one-piece special replaces a four-piece standard motor mounting clamp in a single application simplifying the assembly and disassembly operation.

See March 1955 Mfg. Services Bulletin

For more information -----

John Chew, Schenectady

Specialist Supplier Assisting -----

Class of Improvement -----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information -----

James M. Raine, V. A.
Room Air Conditioner Dept.
Erie Works.

Specialist Supplier Assisting ---

Timmerman Products Inc.
P.O. Box 6688,
Cleveland 1, Ohio

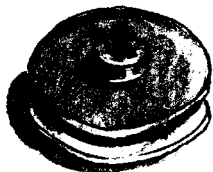
Class of Improvement -----

- Better idea.
- Better design.
- Better suppliers.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

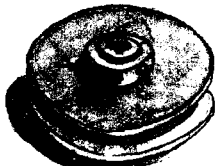
149 VARIABLE PULLEY

Before



\$34.63 ea.

After



\$3.55 ea.

We made - Lamp Div.

Catalog item - with
6 holes & set screw

Quantity 156/Yr. Savings \$4,848/Yr

The replaced pulley known as C-1429 Type "S" is a commercial item at \$1.89 each. We want a finer adjustment and additional holding power. We therefore added 6 tapped holes, and an extra set screw.

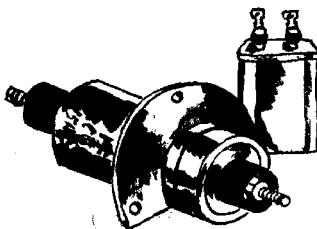
Now cost \$3.55 each.

No question as to whether we "make them, or buy them." Getting a better product at approximately 10% of the former cost.

See April 1955 Mfg. Services Bulletin

150 CAPACITOR

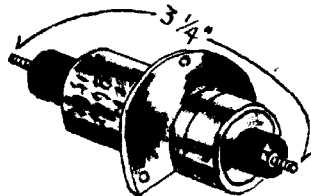
Before



2 at \$3.95 ea.
and 1.22 ea.
\$5.17

SAVINGS - \$6,125/Yr.

After



1 Special \$3.95

Originally two capacitors were required. By utilizing the available services of a contributing Department, the necessary capacitor was obtained by using a special saving cost of one capacitor.

See March 1955 Mfg. Services Bulletin

For more information ---

R. J. Schmidt, G. E. Co. Lamp Department
Cleveland Equipment Works
Cleveland, Ohio

Specialist Suppliers Assisting ---

Browning Manufacturing Co.
1935 Browning Street
Maysville, Kentucky

Class of Improvement ---

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information - - -

C. A. Krasienko, Value Analyst
Specialty Transformer Department
Fort Wayne, Indiana

Specialist Suppliers assisting - - -

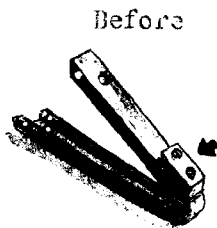
Capacitor Department
Hudson Falls, New York

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

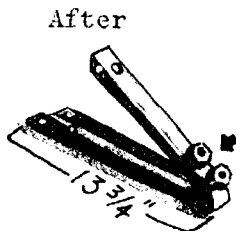
Value Analysis Services
Schenectady

#151 NUT PLATE



\$.09 Each

Special Nut Plate



\$.05 Each

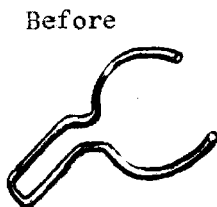
Standard Clinch Nut

Savings \$15,720/Yr.

A low cost standard (Trade name "Gripco") replaced special, thereby eliminating shearing, welding, drilling, tapping

See May 1955 Mfg. Services Bulletin

152 BULB HOLDER



21M at \$.24 Ea.
Original Designed
21,000 pcs.



\$.13 Ea.
Redesigned holder
21,000 pcs. .08 each
insert
3,668 pcs. .05 each

SAVINGS \$3,680/Yr.

Originally designed for one bulb size. Redesigned with inserts to convert to one or more photoflash bulb diameters.

See April 1955 Mfg. Services Bulletin

Reduced the time required 147 hours, during which 1,764,000 bulbs could be processed.

For more information -----

James M. Raine, V. A.
Room Air Conditioner Dept.
Erie Works

Specialist Supplier assisting -----

Grip Nut Co. Chicago, Ill.

Class of Improvement -----

- Better idea
- Better design
- Better supplier
- Better manufacturing methods
- Better use of something available.

Value Analysis services
Schenectady

For more information -----

R. J. Schmidt, Lamp Department
Cleveland Equip. Works, Cleveland, Ohio

Specialist Suppliers Assisting -----

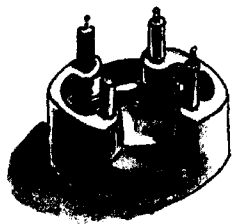
Lenton Mfg. Co.
3415 Lakeside
Cleveland 3, Ohio

Class of Improvement -----

- Better idea
- Better design
- Better supplier
- Better manufacturing methods
- Better use of something available

Value Analysis Services
Schenectady

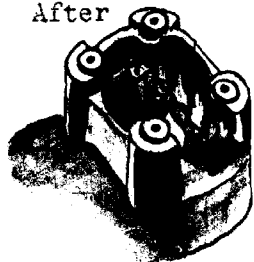
Before



\$9.74 Ea.

With four spacers

After



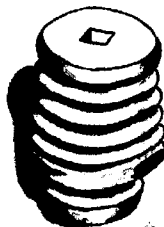
\$4.50 Ea.

One-piece design

A short-run specialist will produce a one-piece design for \$4.50 ea. Tooling cost \$2750. The tools can be liquidated. Saving \$4700/Yr.

See October 1954 Mfg. Services Bulletin

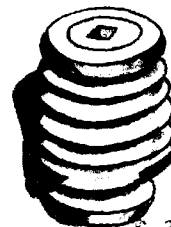
Before



\$.85 Each

1 piece with 2 mach. operations

After



\$.35 Eac

2 pcs. no mach. operations

A one-piece bushing cost \$.85 each. By inserting a plug with the square hole, two machining operations are eliminated. The plug is glazed and fired in place. The two-piece part costs \$.35 each

TWO PIECES CAN BE LOWER IN COST.

See October 1954 Mfg. Services Bulletin

For more information -----

Dehler Jarvia

Specialist Supplier assisting -----

Class of Improvement -----

- Better idea.
- Better design
- Better manufacturing methods
- Better supplier
- Better use of something available

Value Analysis Services
Schenectady

For more information -----

J. J. Foley
West Lynn

Specialist Supplier Assisting ----

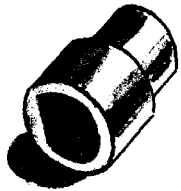
G. E. Baltimore - Locke

Class of Improvement -----

- Better idea
- Better design
- Better supplier
- Better manufacturing methods
- Better use of something available

Value Analysis Services
Schenectady

Before



\$.69 Ea.

After



\$.41 Ea.

Investment Casting & Machined

Another Vendor to tolerances

Savings \$61,000/Yr.

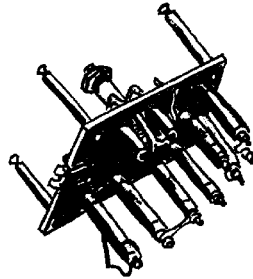
The investment casting was purchased and machined. Total shop cost was \$.69 each. Another supplier furnished the part to tolerances; the only machining necessary was the threads. Shop cost reduced to \$.41 ea.

THE RIGHT SUPPLIER CAN HOLD TOLERANCES

See October 1954 Mfg. Services Bulletin

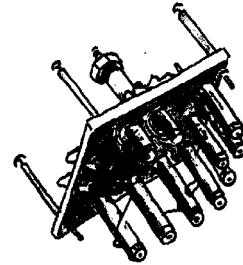
156

Before



\$20.20 Each
Purchased Outside

After



\$9.21 Each
Adapting the design to standard parts

This part was purchased outside for the higher price. By adapting the design to standard parts, it is manufactured in the Company for Less

IT IS NOT ALWAYS LESS COSTLY TO BUY

See October 1954 Mfg. Services Bulletin

157

For more information -----

J. J. Foley
West Lynn Works

Specialist Supplier Assisting ---

Hitchner Mfg. Co.

Class of Improvement -----

- Better idea
- Better design
- Better supplier
- Better manufacturing methods
- Better use of something available

Value Analysis Services
Schenectady

For more information ---

J. J. Foley
West Lynn Works

Specialist supplier assisting -----

G. E. W. L.

Class of improvement -----

- Better idea
- Better design
- Better supplier
- Better manufacturing methods
- Better use of something available

Value Analysis Services
Schenectady

55-44

158 OVERFLOW FIXTURE

Before



\$5.69 ea.

Standard part

After



\$.66 ea.

Redesign

Savings \$25,150/Yr.

A standard oil overflow fixture was purchased for \$5.69. Eliminating unnecessary features by redesign, without lowering quality, this function was provided at a total cost of 66¢. On 5000 parts the saving was \$25,150. 158

Before



\$2.75 Each

Molded glass reinforced polyester

After



\$.10 each

Glass reinforced melamine

Savings \$14,000/Yr.

Used molded glass reinforced polyester. Now use better material - glass reinforced melamine strip sheared from sheets.

This change cut cost over 250%.

See June 1955 Mfg. Services Bulletin

For more information ----

Specialist Supplier assisting ---

Class of Improvement -----

- Better idea
- Better design
- Better supplier
- Better manufacturing methods
- Better use of something available

For more information -----

Phil A. Spinelli
Large Motor-Generator Dept.
Schenectady

Specialist Supplier assisting ----

General Electric Co.
Coshocton, Ohio

Class of Improvement ----

- Better idea
- Better design
- Better supplier
- Better manufacturing methods
- Better use of something available
- Better quality

Value Analysis Services
Schenectady

158

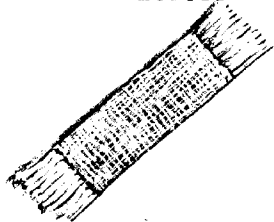
159

#160

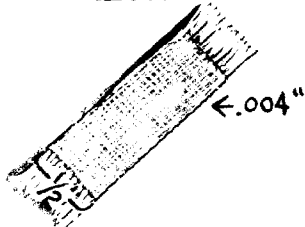
GLASS TAPE

163 TRANSFORMER

Before



After



.005 X 1/2

\$1.94 gross
yard

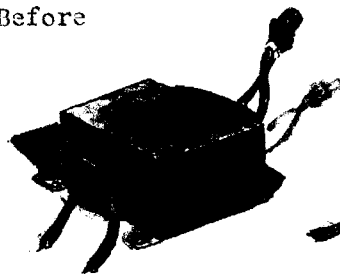
.004 X 1/2 \$.95
gross yd.

Purchased at .005 x 1/2 at cost \$1.94 gross yd
By changing thickness to read:
.004x 1/2 we were able to procure
this tape at .95 per gross yd.

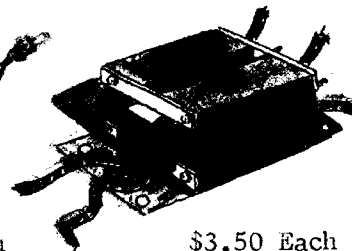
Yearly usage 2412 gross yards.
Cuts cost 100%.

Savings 2,388/yr.

Before



After



\$9.19 Each
From G. E. Foundry W.

\$3.50 Each
Purchased outside

Savings \$19,118/Yr.

A cost of 1600 to change was offset by
10,000 saving the first year.

See November 1955 Mfg. Services Bulletin

For more information -----

H. Jones, Value Analyst
Industry Control Dept.
Schenectady, New York

Specialist Supplier Assisting -----

Insulation Mfg. Corp.
565 W. Washington Blvd.
Chicago 6, Ill.

Class of Improvement -----

- Better idea.
- Better design
- Better supplier
- Better manufacturing methods
- Better use of something available

Value Analysis Services
Schenectady

160

For more information -----

Hal Jones, Value Analyst
Industry Control Dept. Bldg. 285
Schenectady, New York

Specialist Supplier Assisting

Chicago Electronic Co.
Chicago, Illinois

Class of Improvement ---

- Better idea
- Better design
- Better supplier
- Better manufacturing methods
- Better use of something available

163

#164 INSULATOR

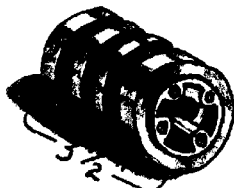
Before



\$4.56 Each

G.E.P.H.W.

After



\$3.25 Each

Outside

11/16/56 \$2.18 Ea.

Use 60,000 per year

Savings \$142,800/Year

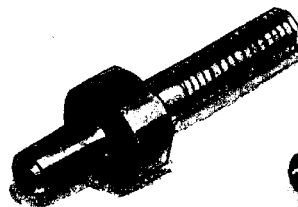
Glass insulator is lighter than original and is virtually indestructible.

See November 1955 Mfg. Services Bulletin

164

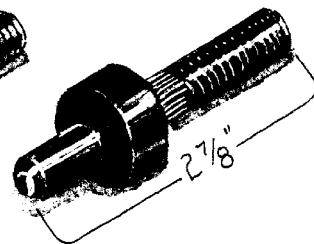
166 ELECTRODE BARRIER

Before



2 parts screw mach with lockwasher \$21.29/c
2 parts screw mach Knurl No lockwasher
1 piece screw mach Knurl No lockwasher

After



1 piece Cold Headed \$9.12/c

Step 1, 2, & 3 Made by G.E. Pittsfield

Step 4 Scoville Mfg. Co., Waterbury Conn.

Savings \$11,000/Yr.

166

For more information -----

Hal Jones Value Analyst
Industry Control Dept. Bldg. 285
Schenectady, New York

Specialist Supplier Assisting ----

Glastic Corp.
Cleveland, Ohio

Class of Improvement -----

Better idea
 Better design
 Better supplier
 Better manufacturing methods
 Better use of something available
 Better material

For more information ---

W. R. Adams, Value Analyst
Distribution Transformer Dept.
Phone Ext. 2781
Pittsfield, Mass.

Specialist Supplier Assisting ---

Scoville Mfg. Co.
Waterbury Conn.

Class of Improvement ---

Better idea
 Better design
 Better supplier
 Better manufacturing methods
 Better use of something available

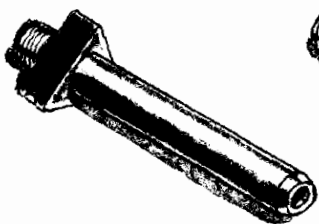
Value Analysis Service
Schenectady

167 FUSE TUBE

168 FUSE TUBE

Drg. 5295427

Before



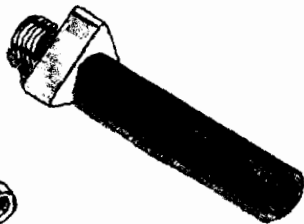
\$1.74 Each

Glass Melamine over
Fiber Liner

Savings \$8,738/Yr.

Drg. 241A649 Part 23

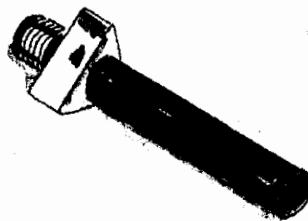
After



\$.575 Each

Glastic over Fiber
Liner

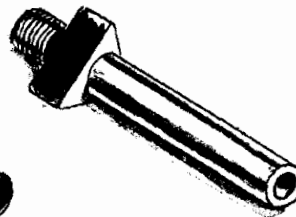
Before



Cotton Cloth \$1.42
Phenolic over Fiber liner

Savings \$3,000/year

After



\$.705
Glastic over
Fiber Liner

167

168

For more information ----

W. H. Adams, V. A.
Distribution Transformer Dept.
Pittsfield, Mass.

Specialist Supplier Assisting ---

Glastic Corp.
Cleveland, Ohio

Class of Improvement -

- Better idea
- Better design
- Better supplier
- Better manufacturing methods
- Better use of something available

Value Analysis Services
Schenectady

For more information ---

W. H. Adams, V. A.
Distribution Transformer Department
Pittsfield, Mass.

Specialist Supplier Assisting ---

Glastic Corp.
Cleveland, Ohio

Class of Improvement ---

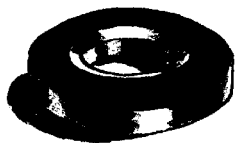
- Better idea
- Better design
- Better supplier
- Better manufacturing methods
- Better use of something available

Value Analysis Services
Schenectady

169 INSULATING WASHER

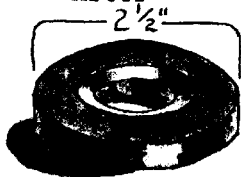
170 WEATHERTRON THERMOSTAT

Before



\$1.23

After

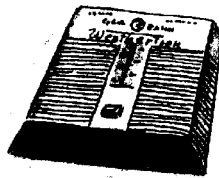


2 1/2"
\$.24

Annual useage 6,000/year
Savings \$6,000/year

See June 1955 Mfg. Services Bulletin

Before



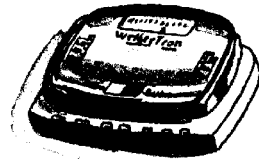
\$21.00 Each

Purchased some components
made other & assembled
in C.E.

*

Savings \$30,000/yr / 5,000 pcs/yr

after



\$15.00 Each

Purchase complete
from thermostat
supplier

Searched the market for a supplier that
was willing to make a complete thermostat
to our requirements.

* May be very much higher, perhaps even
\$100,000/yr.

For more information ---

Peter S. Demos
Power Transformer Dept.
Pittsfield, Mass.

Specialist Suppliers assisting ---

St. Regis Fibre Co.
Panelyte Division
New York, New York
150 E. 42nd Street

Class of Improvement ---

Better idea
 Better design
 Better supplier
 Better manufacturing methods
 Better use of something available

Value Analysis Services
Schenectady

For more information -----

Value Analysis Services
Schenectady, New York

Specialist Suppliers assisting -----

General Controls Co.
Glendale, California

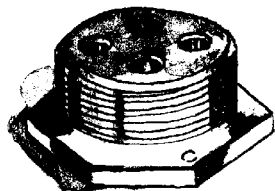
Classof Improvement ----

Better idea
 Better design
 Better supplier
 Better manufacturing methods
 Better use of something available

Value Analysis Services
Schenectady

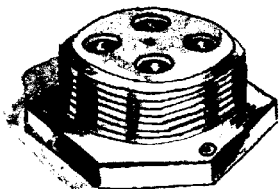
171 BRASS IMMERSION HEATER PLUGS

Before



Forged \$79.70/C

After



Shell Mold \$25.00/C

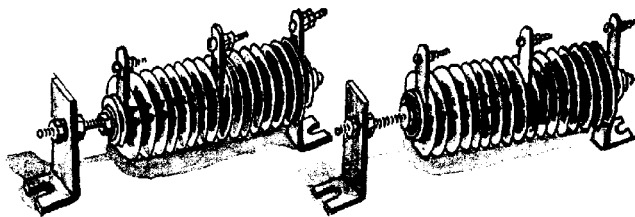
Savings \$5,467/Yr.

Checked function of plug then changed to shell mold which will perform the same

See June 1955 Mfg. Services Bulletin

171

172 RECTIFIER



\$43.65 Ea.

\$16.97 Ea.

Ordered 1 to 4

Now order 25

Savings \$4,800/Yr. 180/Yr.

This is only one example of what has been done with rectifiers. So far we have saved better than \$40,000 by changing the method of ordering.

See June 1954 Mfg. Services Bulletin

172

For more information ---

Sol Toscher
Ind. Heating Dept.
Pittsfield Works

Specialist Suppliers assisting ----

Western Bronze Co.
Springfield, Mass.

Class of Improvement ----

- Better idea.
- Better design.
- Better supplier
- Better manufacturing methods
- Better use of something available

Value Analysis Services
Schenectady

For more information ----

Hal Jones, Value Analyst
Industry Control Dept., Bldg..285
Schenectady, New York

Specialist Supplier Assisting ---

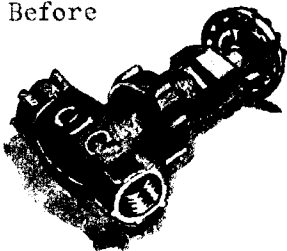
Class of Improvement ---

- Better idea
- Better design
- Better supplier
- Better manufacturing methods
- Better use of something available

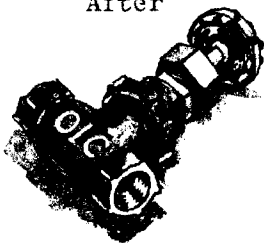
Value Analysis Services
Schenectady

173 VALVE

Before



After



Damaged or worn
discarded

Reclamation to new
valve. Saves 60% of
original cost

2,500 pcs. save \$6,600/Yr.

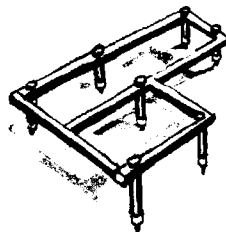
Damaged or worn valves were being discarded.
A valve reclamation company will furnish
them equal to new valve quality for less
than 60% of the original cost.

See April 1955 Mfg. Services Bulletin

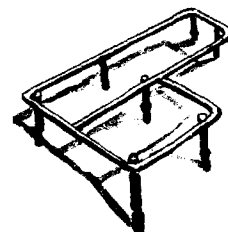
173

176 TUBE SHIELD

Before



After



Tube shield
7407814 G1 \$6.32

Tube shield
7432302 P1 \$1.18

Savings \$2,901/Yr.

176

For more information ----

Jim L. Wentworth
Pittsfield

Specialist Supplier Assisting ---

Industrial Valves, Inc.
9113 - 9121 Prince Avenue
Cleveland, Ohio

Class of Improvement --

- Better idea
- Better design
- Better supplier
- Better manufacturing methods
- Better use of something available

Value Analysis Services
Schenectady

For more information ---

Thomas Telfer
Light Military Electronic Equip.
Utica, New York

Specialist Suppliers assisting ---

E. H. Titchener, & Co.
Binghamton, New York

Class of Improvement --

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods
- Better use of something available.

Value Analysis Services
Schenectady

177 HANDLE

Before



\$1.48

Handle 7003345 plus
hubs



\$.38

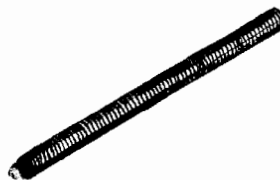
Handle 7508787 P1

Savings ^{3.500} ~~\$1,057.77~~/Yr.

See Mfg. Bulletin , April 1956, page 31
for change

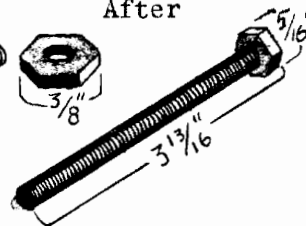
178 BOLT

Before



Stud and Nut \$.290
Assembly
7017928

After



Standard \$.023
Bolt

Savings: \$1,951/Yr.

Before - Stud-Nut brazed on

After - Standard Bolt solid

For more information ---

Thomas Telfer
Light Military Electronics Equipment
Utica, New York

Specialist Suppliers assisting ---

E. H. Titchener & Co.
Binghamton, New York

Class of Improvement --

- Better idea
- Better design
- Better supplier
- Better manufacturing methods
- Better use of something available

Value Analysis Service
Schenectady

For more information ---

Thomas Telfer
Light Military Electronics Equipment
Utica, New York

Specialist Suppliers assisting ---

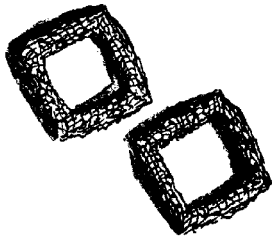
Class of Improvement ---

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods
- Better use of something available.

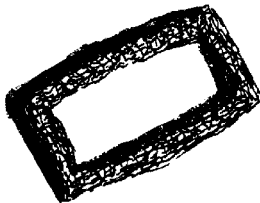
Value Analysis Services
Schenectady

179 GASKET

Before



After



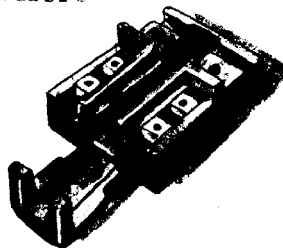
Two gaskets
7504469-2 \$1.81

 \$.58
One gasket
7504469-4

Savings: \$1,267/Yr.

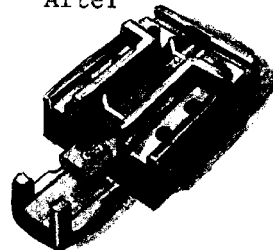
180 TARGET BLOCK

Before



\$30.00/C

After



\$3.00/C

Savings \$11,000/Yr.

See November 1955 Mfg. Services Bulletin

For more information -----

Thomas Telfer
Light Military Electronics Equipment
Utica, New York

Specialist Suppliers assisting ---

Class of improvement ---

- Better idea.
- Better design
- Better supplier
- Better manufacturing methods
- Better use of something available.

Value Analysis Services
Schenectady

For more information ---

H. S. Aurelius, Jr.
Low Voltage Switchgear Dept.
Philadelphia, Pa.

Specialist Suppliers assisting ---

Class of Improvement ---

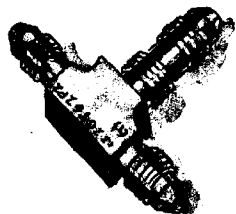
- Better idea.
- Better design.
- Better supplier
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

181 CONNECTOR, BU LKHEAD TEE

182 SHIPPING MATERIAL

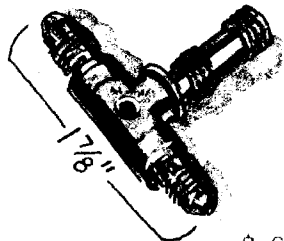
Before



\$4.15 Ea.

Machined from solid stock

After



\$.84 Ea.

Forged AN Part

Savings \$2,803/Yr.

A standard AN Tee fitting with slight modifications was substituted for special screw machine part.

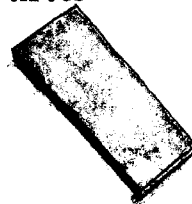
See March 1955 Mfg. Services Bulletin

Before



TEK Wood \$55. M. Sq.Ft.

After



V 3 J Board
\$30. M. Sq. Ft.

Savings \$4370/Yr.

See November 1955 Mfg. Services Bulletin

For more information ---

Sam J. Rizk, Value Analyst
Aircraft Accessory Turbine Dept.
River Works, Lynn, Mass.

Specialist Suppliers assisting ---

Aircraft Fitting Co.
Cleveland, Ohio

Class of Improvement ---

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information ---

Vince D. Lucier
Large Turbine-Generator Shipping Unit
Bldg. #273
Schenectady, New York

Specialist Suppliers Assisting ---

Shoemaker Paper Co.
Cohoes, New York

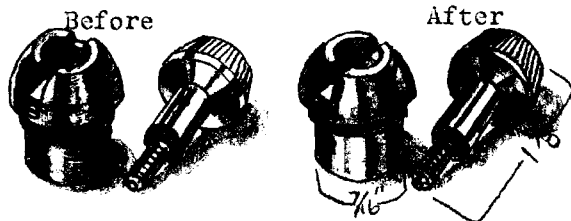
Class of Improvement ---

- Better idea
- Better design
- Better supplier
- Better manufacturing methods
- Better use of something available

Value Analysis Services
Schenectady

183 BUSHING & SEALING SCREW

See May 1955 Mfg. Services Bulletin



Machined from Bar Stock Die Cast Complete

Savings 43% or \$25,000/Yr.

Screw machine parts changed to die castings. This bushing & sealing screw used for mounting relay covers was formerly machined from bar stock - the bushing from cold drawn steel, the sealing from commercial hard brass. The bushing is now die cast complete - the sealing screw is die cast with a threaded insert. In addition to the elimination of machining operations, die casting made it possible to omit tumbling and plating.

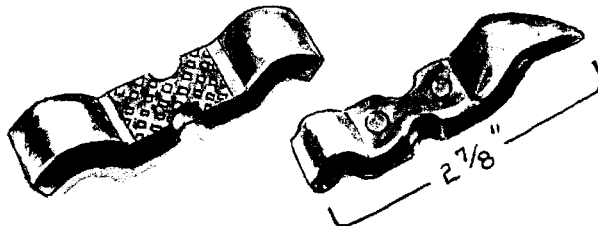
Value Analysis techniques are working in the toolroom in the low voltage & switchgear dept.

183

184 COPPER DISCONNECT

Before

After



Punched from bar stock & plated

Coined & trimmed from smaller silver-plated rectangular bar. Result saving in copper and improved contact surface

Saving: \$12,000/Yr.

See May 1955 Mfg. Services Bulletin

184

183 BUSHING & SEALING SCREW

For more information ---

H. S. Aurelius, Jr.
Low Voltage Switchgear Dept.
Value Analysis Unit
Philadelphia, Pa.

Specialist Suppliers assisting ---
Tool Room
Philadelphia Works

Class of Improvement -----
— Better idea
— Better design
— Better supplier
— Better manufacturing methods
— Better use of something available.

Value Analysis Services
Schenectady

For more information ----

H. S. Aurelius, Jr.
Value Unit
Low Voltage Switchgear Dept.
Philadelphia, Pa.

Specialist Suppliers Assisting ---

Tool Room
Philadelphia Works

Class of Improvement ---
— Better idea
— Better design
— Better supplier
— Better manufacturing methods
— Better use of something available.

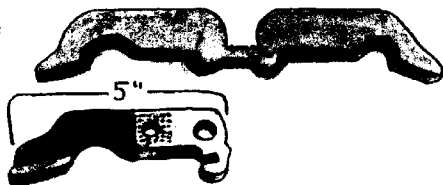
Value Analysis Services
Schenectady

185 COPPER CONTACT FINGER

Before



After



Was blanked from
sheet stock

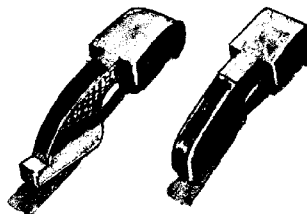
Two are now formed
from rectangular bar
stock in one operation

Savings \$12,000/Yr.

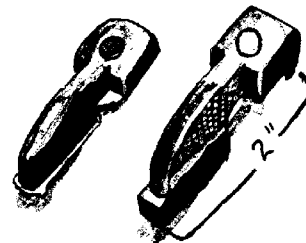
See May 1955 Mfg. Services Bulletin

186 CONTACT FINGER

Before



After



Milled from metal
section

Punched from bar,
coined, trimmed

Savings \$8,000/Yr.

See May 1955 Mfg. Services Bulletin

For more information ----

H. S. Aurelius, Jr.
Value Analysis Unit
Low Voltage Switchgear Dept.
Philadelphia, Penn.

Specialist Suppliers assisting ---

Tool Room
Philadelphia Works

Class of Improvement --

- Better idea
- Better design
- Better supplier
- Better manufacturing methods
- Better use of something available

Value Analysis Services
Schenectady

For more information ----

H. S. Aurelius, Jr.
Value Analysis Unit
Low Voltage Switchgear Dept.
Philadelphia, Pa.

Specialist Suppliers assisting --

Tool Room
Philadelphia Works

Class of improvement ---

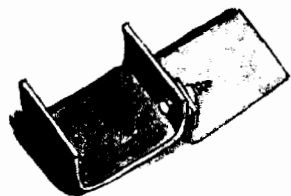
- Better idea
- Better design
- Better supplier
- Better manufacturing methods
- Better use of something available

Value Analysis Service
Schenectady

187 APRON TOEBOARD HARDWARE

189 TERMINAL WASHER

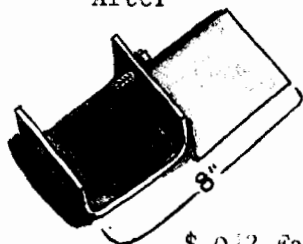
Before



\$.078 Ea.

Sheet metal Screw &
Snap nut

After



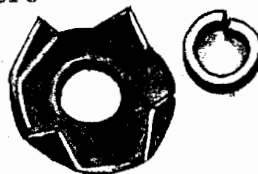
\$.042 Ea.

Expansion Screw
No nut

11 Assemblies per unit

Savings - \$19,488/Yr.

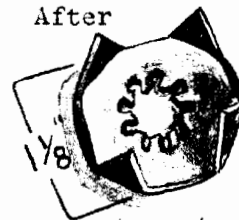
Before



\$4.87/C

Washer & Lockwasher

After



\$1.47/C

Terminal Washer

Savings - \$3,500/Yr.

See November 1955 Mfg. Services Bulletin

For more information ---

A. G. Hoyt, Jr.
Home Laundry Equipment Dept.
Louisville, Kentucky

Specialist Suppliers Assisting ----

Class of Improvement --

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information ----

W. H. Adams
Distribution Trans. Dept.
Pittsfield, Mass.

Specialist Suppliers assisting -----

Shakeproof

Class of Improvement ----

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

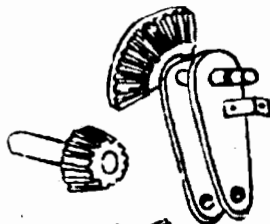
191 Gear

Machined assembly

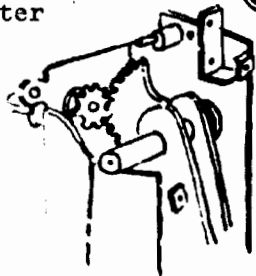
Stampings

Savings 63% or \$7,800./Yr.

Before



After



See May 1955 Mfg. Services Bulletin

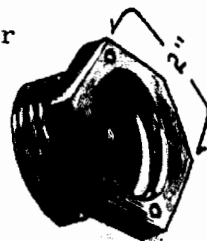
192 STEEL IMMERSION HEATER PLUG

Before



\$88.68/C
Screw Machine Part

After



\$20.00/C
Shell Mold

Savings approximately \$6,000/Yr.

SHELL MOLD DOES THE SAME JOB AT LOWER COST

For more information - - -

H.S.Aurelius Jr. V.A.Unit
Low Voltage Switchgear Dept.
Philadelphia, Penn.

For more information - - -

Sol Tosher
Ind. Heating Dept.
Pittsfield, Mass.

Specialist Suppliers assisting - - -

Tool Room
G.E.Co.
Philadelphia Works

Specialist Suppliers assisting - - -

Western Bronze Co.
Springfield, Mass.

Class of Improvement - - -

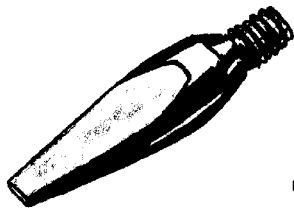
- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

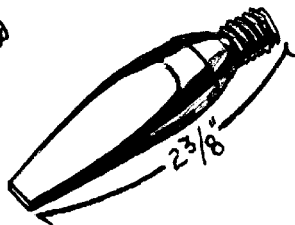
193 SOLDERING IRON TIP

Before



\$.14 Each

After



\$.10 Each

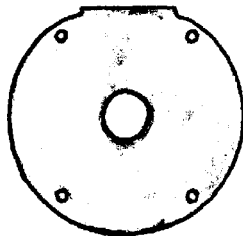
Headed & Trimmed

Forged

Savings \$8,500/Yr.

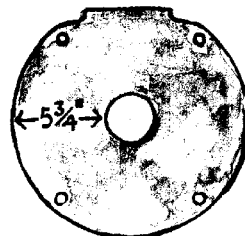
195 COVER

Before



\$4.95 Ea.

After



\$.55 Ea.

Sheet metal fabricator

Short run stamping
supplier

200/Yr. Saving - 80% or \$880/Yr.

DON'T OVERLOOK SMALL QUANTITIES:
APPLY THE PROPER TECHNIQUES AND
OBTAIN LARGE PERCENTAGE REDUCTIONS
IN COST.

See August 1955 Mfg. Services Bulletin

For more information - - -

Sol Tosher
Industrial Heating Dept.
Pittsfield, Mas.

Specialist Suppliers assisting - - -

Electric Materials Co.
North East, Penn.

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

193

For more information - - -

Specialist Suppliers assisting - - -

Class of Improvement - - -

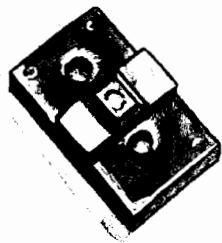
- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

195

196 INSULATING WASHER

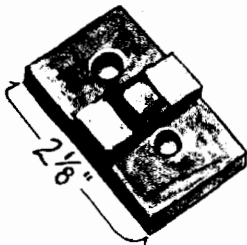
Before



\$.70 Each

Machined from plastic sheet

After



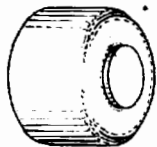
\$.15 Each

Short run plastic molder

600/Yr. Saving \$330/Yr. or 80%

See August 1955 Mfg. Services Bulletin

197 PLASTIC CAP

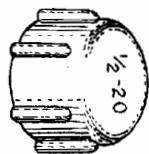


Before

\$.30 Each

Screw Machine Plastic

1000/Yr. Saving 80% or \$260/Yr.



After

\$.04 Each

Standard Stock Part Molded

See August 1955 Mfg. Services Bulletin

For more information - - -

Specialist Suppliers assisting - - -

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

For more information - - -

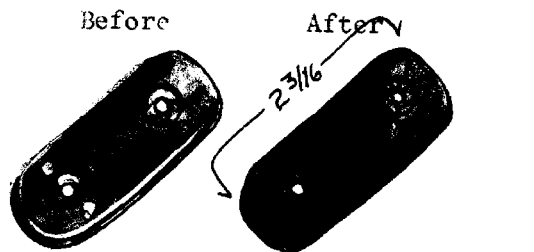
Specialist Suppliers assisting - - -

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

198 INSULATING WASHER



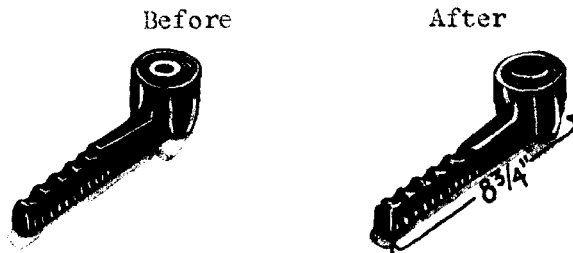
\$.50 Ea.
Machined plastic
sheet

\$.10 Ea.
Short run plastic
molding supplier

600/Yr. Saving 80% or \$240/Yr.

See August 1955 Mfg. Services Bulletin

199 PLASTIC HANDLE



\$2.23 Ea.

With Brass insert

\$1.45 Ea.

Without Brass
insert

Saving - \$3,500/Yr on 4,500 pieces

This plastic mechanism handle was obtained with brass insert. Questioning the need of an insert, the Plastic Dept. was contacted.

Now a better part is produced without an insert resulting in an annual saving shown above.

" THE RIGHT SOURCE PAYS OFF "

See January 1956 Manufacturing Services Bull.

For more information - - -

Specialist Suppliers assisting - - -

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

198

For more information - - -

Specialist Suppliers assisting - - -

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

199

200 TERMINAL CLAMP

From brass extrusion \$2.600.

To zinc die casting 1.020.

Savings 65% or \$4385./Yr

Electrical conductivity is **not** a factor in these parts.

Search for the newest and latest materials, processes, and specialty suppliers.



200

203 ARC CHUTE

Old Electrobestos \$212./C. Set

New Asbestos

→ R-3 Cement Asbestos 104./C Sets

Saving 55% or \$14,000./Yr.

A different material (R3-Rostone Cement-Asbestos) for this part resulted in saving material as well as transportation cost since the new source was closer.



LOOK FOR NEW MATERIALS

See December 1956 Mfg. Services Bulletin

203

For more information - - -

F.B. Johnson
General Purpose Control Dept.
P.O. Box 913
Bloomington, Ill.

Specialist Suppliers assisting - - -

Gries Reproducer Corp.
125 Beechwood Ave.
New Rochelle, N.Y.

Class of Improvement - - -

Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

Value Analysis Services
Schenectady

200

For more information - - -

F.B. Johnson
General Purpose Control Dept.
P.O. Box 913
Bloomington, Ill.

Specialist Suppliers assisting - - -

Meriden Molding Co. Rostone Corp.
Layfayette, Ind.

Class of Improvement - - -

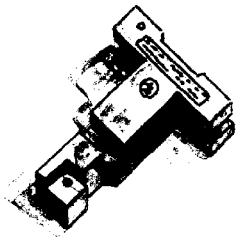
Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

Value Analysis Services
Schenectady

203

#205 INTERLOCK SUPPORT

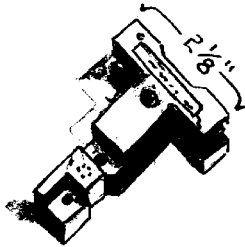
Before



\$28.08/c

Single cavity mold

After



12.50/C

Two Cavity Mold

Savings 55% Or \$5,536/yr

SAVE MONEY & TIME BY USING DOUBLE CAVITY MOLD

See December 1956 Mfg. Services Bulletin

205

206 CLAMPING NUT

\$42.01/c

Molded knob with brass insert

~~\$22.13/c~~

Die cast wing nut

.53/c

Saving 98% Or ~~\$2,679./Yr.~~

99% Or \$3,733./Yr.



A simple wing nut replaced an expensive knob for a 98% saving.

STANDARD ZINC DIE CAST NUTS WILL PERFORM THE SAME FUNCTION AS THE BRASS INSERT MOLDED KNOB

See November 1956 Mfg. Services Bulletin

206

For more information - - -

F. B. Johnson
General Purpose Control Dept.
P.O. Box 913
Bloomington, Ill.

Specialist Suppliers assisting - - -

G. E. Co.
Decatur

Class of Improvement - - -

Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

Value Analysis Services
Schenectady

205

For more information - - -

F.B.Johnson
General Purpose Control Dept.
P.O.Box 913 Bloomington, Ill.

Specialist Suppliers assisting - - -

Gries Reproducer Corp.
125 Beechwood Ave.
New Rochelle, N.Y.

Class of Improvement - - -

Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

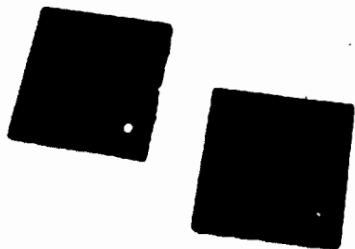
Value Analysis Services
Schenectady

206

208

Drill & Counter Sink \$19.50/M.
Counter Sink Eliminated 14.50/M.

Saving 25% Or ~~\$43,000./Yr.~~ \$425./Yr.



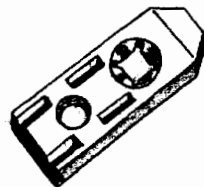
SECONDARY OPERATION ELIMINATED
PART PROVIDES THE SAME FUNCTION.

See November 1956 Mfg. Serv. Bulletin

208

#209 TERMINAL STRIP

Before



\$1.17/C

Made Ourself

Saving 54% or \$5,503/Yr

After



.539/C

New Specialty Suppl.

A SPECIALTY SUPPLIER FURNISHED THIS
PART AT HALF THE PRICE

See November 1956 Mfg. Services Bulletin

209

For more information - - -

F.B.Johnson
General Purpose Control Dept.
P.O.Box 913 Bloomington, Ill

For more information - - -

F. B. Johnson
General Purpose Control Dept.
P.O. Box 913 Bloomington, Ill

Specialist Suppliers assisting - - -

Electrical Insulation Co.
Copiague. N.Y.

Specialist Suppliers assisting - - -

Mohawk Mfg. Co.
Middletown, Conn.

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

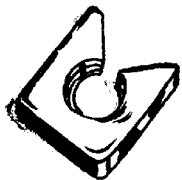
Value Analysis Services
Schenectady

#210 CLAMPING STRIP

#211 SUPPORT ACCESSORY DRIVE BEARING

Machined & Fabricated Assembly	\$179.05 Ea.
Investment Casting & Machined	38.60 Ea.
Saving on 200 per month 77% or	\$337,080./Yr.

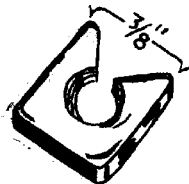
Before



.941/C

Made ourself

After



.305/C

Specialty Supplier

Saving 68% Or \$9,378/Yr.



THE CHANGE RESULT A SAVING IN WEIGHT OF 40%. SAE ENGINEERS, MANUFACTURING, & PURCHASING PEOPLE, ADDING VALUE ANALYSIS SKILLS TO THEIR ABILITIES WILL REALIZE A 77% SAVING ON THIS PART.

THE MATERIAL IS STAINLESS STEEL.

EACH INSTANCE OF QUESTIONABLE VALUE IS AN OPPORTUNITY

See October 1956 Mfg. Services Bulletin

See November 1956 Mfg. Services Bulletin

For more information - - -

F. B. Johnson
General Purpose Control Dept.
P.O. Box 913, Bloomington, Ill.

Specialist Suppliers assisting - - -

Mohawk Mfg. Co.
Middletown, Conn.

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

210

For more information - - -

F.S.Sherwin Senior Specialist-value analysis
Small Aircraft Engine Dept.
River Works.

Specialist Suppliers assisting - - -

Precision Metal Smiths Inc.
American Precision Casting Co.
National Precision Co.
Jelrus Precision Casting Co.

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

211

212 COUPLING

Machine from stainless steel bar \$19.50 ea.

Investment casting 120 lot \$5.90 13.65-

Saving 30% Same Quantity \$1,644./Yr.

Production per piece casting price 2.00 "

Saving 90%



Couplings, vane actuated, on a ring assembly, were machined from stainless steel bar stock at a cost of \$19.50each. Made as investment castings, welded as cast to the ring assembly, and finish machined in sets, the cost dropped to \$13.65 each a saving of 30%. In production the cost will be approximately \$2.00each--an overall saving of 90%.

VALUE ANALYSIS TECHNIQUES CAN ASSIST YOU IN THE CHANGE FROM DEVELOPMENT TO QUANTITY PRODUCTION.

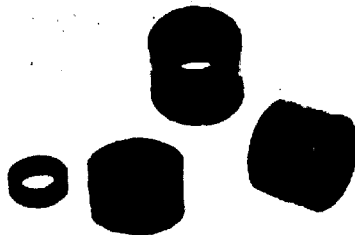
See October 1956 Mfg. Services Bulletin 212

#213 SPACER

Machined from Bar Stock Powdered Metal 1-M.Lot

\$6.00ea.
.10 "

Saving \$5,900./Yr.



See October 1956 Mfg. Services Bulletin

For more information - - -
F.S.Sherwin Senior Specialist Value Analysis
Small Aircraft Engine Dept.
River Works

For more information - - -
Fred Sherwin
Small Aircraft Engine Dept.
River Works

Specialist Suppliers assisting - - -
Jelrus Precision Casting Co.

Specialist Suppliers assisting - - -
Keystone Carbon Co. St. Mary, Pa.
Merriman Bros. Boston, Mass.
Wakefield Brg. Co.

Class of Improvement - - -
 Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

Class of Improvement - - -
 Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

214 Washer
Stamped & Machined Stainless Steel \$.12 ea.
Powdered Stainless Steel .06 "
Saving 50%

215 WASHER

Screw Machine Stainless Steel \$.15 each
Stamped Steel .02 "

Saving Lynn \$80,000./Yr.
" " 86% And Evendale \$200,000./Yr



ONE INCH



See October 1956 Mfg. Services Bulletin

See October 1956 Mfg. Services Bulletin

For more information - - -

Fred Sherwin
Small Aircraft Engine Dept.
River Works

For more information - - -

Fred Sherwin
Small Aircraft Engine Dept.
River Works

Specialist Suppliers assisting - - -

Keystone Carbon Co. St. Mary, Pa.
Thomas Smith Co.
Merriman Bros. Boston, Mass.

Specialist Suppliers assisting - - -

G.E.Co. Everett, Mass.
G.K. Garrett Co.
Metalart Corp.

Class of Improvement - - -

 Better idea.
 Better design.
 Better supplier.
 x Better manufacturing methods.
 Better use of something available.

Class of Improvement - - -

 Better idea.
 Better design.
 Better supplier.
 x Better manufacturing methods.
 x Better use of something available.

Value Analysis Services
Schenectady

214

Value Analysis Services
Schenectady

215

216 MANIFOLD COVER—Cover

Sand Cast & Machined \$1.22 each
Stamped & Formed .47 "

Saving 61% Or \$ 6,300./Yr.

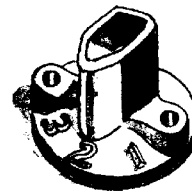
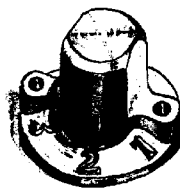


See October 1956 Mfg. Services Bulletin

#218 OPERATED MECHANISM CAP

Before

After



Sand Casting Machined
\$8.05 each
& Holes Drilled

\$1.05 each
Permanent Mold
Casting, No
Machining

Saving on 3,000 pcs/yr. \$21,000/Yr.

IN JUNE 1956 BULLETIN

For more information - - -

Fred Sherwin
Small Aircraft Engine Dept.
River Works

Specialist Suppliers assisting - - -

G.E.Co. Everett, Mass.
Latrobe Die Casting

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

216

For more information - - -

HARVEY RATH
POWER TRANSFORMER DEPT.
PITTSFIELD

Specialist Suppliers assisting - - -

HAMPDEN BRASS & ALUMINUM
262 LIBERTY STREET
SPRINGFIELD, MASS.

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

218

Before



\$7.05 each

Burned from 1-in. thick boiler plate & machined complete on a screw mach. A solid copper strip was brazed to the side

Savings on 750/Yr. \$4,462.50/yr.

IN JUNE 1956 BULLETIN

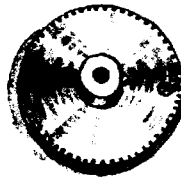
After



\$1.10 each

After permanent mold casting, no machining
Copper braid is cast as an integral part of the ring

Before



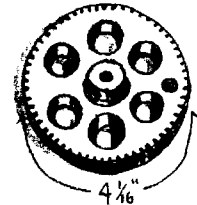
\$8.75 each

Turned complete from bar stock, drilled, tapped gear teeth hobbed

Savings 600/Yr. \$4,770/Yr.

IN JUNE 1956 BULLETIN

After



\$.80 each

powder metal no machining

For more information - - -

Harvey Rath
Power Transformer Dept.
Pittsfield

For more information - - -

Harvey Rath
Power Transformer Dept.
Pittsfield

Specialist Suppliers assisting - - -

Hampden Brass & Aluminum
262 Liberty Street
Springfield, Mass.

Specialist Suppliers assisting - - -

Engineered Plastics, Inc.
Silk Street
Watertown, Connecticut

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

219

Value Analysis Services
Schenectady

220

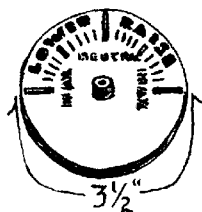
Before



\$1.23 each

Plastic Mold Casting in
Aluminum Machined

After



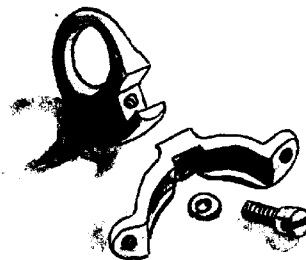
.175 each

Die Casting - No
Machining

Savings 1500/Yr. \$1,568/Yr.

IN JUNE 1956 BULLETIN

Before



Machined and assembled
from two pieces

Saving \$6,500/Yr.

See September 1955 Mfg. Services Bulletin

USE ONE-PIECE DESIGN

After



Casting - one
piece

For more information - - -

Harvey Rath
Power Transformer Dept.
Pittsfield Works

Specialist Suppliers assisting - - -

Mt. Vernon Die Cast Corp.
Southfield Ave.
Stamford, Connecticut

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

221

For more information - - -

G. E. Foundry

Specialist Suppliers assisting - - -

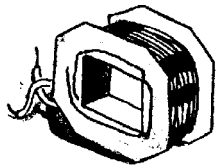
Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

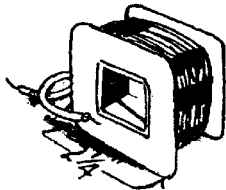
223

Before



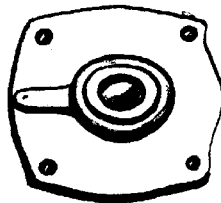
.30 each

After



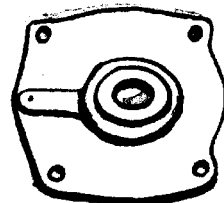
.045 each

Before



\$6.43 each

After



\$1.10 each

Die Iron & Machining

Die Casting Little
Machining

Saving on 13,300 pieces \$13,000/Yr.

SEE DECEMBER 1955 MFG. SERVICES BULLETIN

Saving - \$4,300/Yr.

See January 1956 Mfg. Services Bulletin

THE RIGHT SOURCES PAY OFF

For more information - - -

For more information - - -

Specialist Suppliers assisting - - -

Specialist Suppliers assisting - - -

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

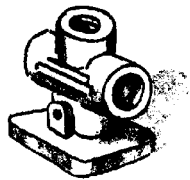
Value Analysis Services
Schenectady

224

Value Analysis Services
Schenectady

225

#227 SIGHT FLOW INDICATOR



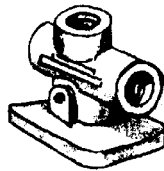
Before

Bronze sand casting
hand polished

Saving \$35,000/Year

See January 1956 Mfg. Services Bulletin

After



Bronze sand casting
grit blast finish

228 CASTING
MALLEABLE IRON CASTING

\$5.80 ea.

Gray Iron Casting

2.85 "

Saving on 712 pcs.

\$2,100./Yr.

This malleable iron casting was purchased from an outside vendor for \$5.80 each. Working with Engineering and the G-E Foundry, it was decided a suitable part could be made in grey cast iron for \$2.85 ea. Now six sizes are being made at the Elmira Foundry at lower cost.



See January 1956 Mfg. Services Bulletin

For more information - - -

For more information - - -

Specialist Suppliers assisting - - -

Specialist Suppliers assisting - - -

General Electric Foundry
Elmira, New York

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

227

Value Analysis Services
Schenectady

228

229 SEGMENT GEAR

Bronze casting 4 pounds each

\$4.45 ea,
~~\$3.41~~ ea,

Pearlitic malleable cast 3- $\frac{1}{2}$ lbs. ea 1.20 "
1.45 "

Saving on 2,255 \$6,765/Yr.

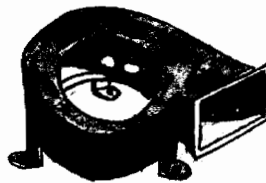
Originally produced as B11G1A bronze casting.
Working with G-E Foundry Erie, Pa.
substitution was made at lower cost
and weight.



See January 1956 Mfg. Services Bulletin

#230 BLOWER HOUSING

Before



\$52.45 each

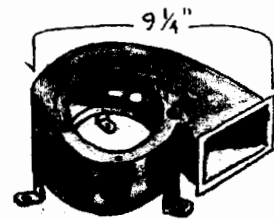
Fiber glass reinforced
plastic

Saving on 1000 pieces \$34,450/Yr.

See February 1956 Mfg. Services Bulletin

"SEEK & FIND" LOWER COST MATERIALS
AND PROCESSES

After



\$18.00 each

Fabricating from
sheet aluminum

For more information - - -

Harold w. Hagle
G.E.
Erie, Pa.

Specialist Suppliers assisting - - -

General Electric Foundry
Erie, Pa.

Class of Improvement - - -

Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

Value Analysis Services
Schenectady

For more information - - -

Glenn Woodward
Aircraft Accessory Turbine Dept.
River Works

Specialist Suppliers assisting - - -

Class of Improvement - - -

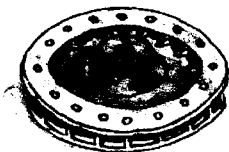
Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

Value Analysis Services
Schenectady

231 FAN

#232 NUT

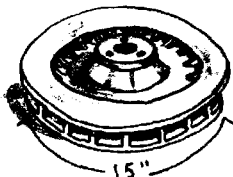
Before



\$17.08 each

Malleable casting with punched steel ring riveted to one side of the blades

After



\$10.59 each

Working with the Foundry it is now a 1-piece aluminum sand casting

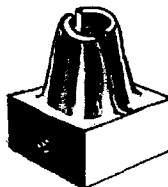
Saving on 1654 pieces \$10,733/Yr.

SAVINGS IN MATERIALS AND PROCESSES

See February 1956 Mfg. Services Bulletin

231

Before

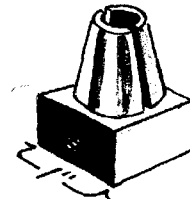


\$5.29 each

Cast Bronze Machined

Saving 25% \$800/Yr.

After



\$3.87 each

Stainless Steel From Bar Stock

See October 1955 Mfg. Services Bulletin

232

For more information - - -

D. L. Carlson
L & CE Dept. Erie

Specialist Suppliers assisting - - -

G. E. Foundry
Erie, Pa.

Class of Improvement - - -

Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

Value Analysis Services
Schenectady

231

For more information - - -

Hal Jones
Industry Control Department
Roanoke, Virginia

Specialist Suppliers assisting - - -

Purchased stainless steel bar stock
from Warehouse Supplier

Class of Improvement - - -

Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

Value Analysis Services
Schenectady

232

233 FRAME DETECTOR

#235 MOTOR BRACKET

Old \$170. ca.
Re-designed 55. "

Before

After

Saving on 127 per year \$14,605./Yr.

16.41/c

7.08/c

233

235

For more information ----

For more information - - -

Charles J. Zimmer
Schenectady, N.Y.

Specialist Suppliers Assisting ---

Specialist Suppliers assisting - - -

Twiggs Industries

E. H. Fitchner & Co.
252 Walnut St.
Binghamton, New York

Class of Improvement - - -

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

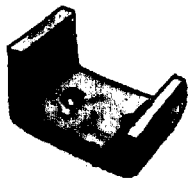
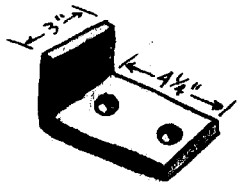
- Better Idea
- Better Design
- Better Supplier
- Better Manu. Methods
- Better use of something available.

#237 ROTOR END PLATE

#238 PIPE FITTINGS

Before

After



\$2.82 each

\$2.89 ea.

No Lip

With Lip

Eliminated 8 studs 8 holes & special fixture

8 plates per motor \$.56 increase

Saved \$20 per Motor

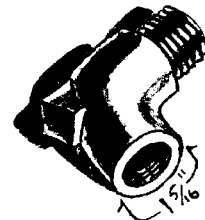
SPEND MONEY TO SAVE MONEY

See March-April 1957 Mfg. Services Bulletin

237

Before

After



\$.63 each

Standard nipple & Elbow required special machin. to fit a totally enclosed motor

\$.38 each

Casting a special street "L" with a lug, improved function, eliminated machining and a special assembly jig

STANDARD PARTS SUBSTITUTED FOR SPECIAL AT LOWER COST

See March-April 1957 Mfg. Services Bulletin

238

For more information - - -

John DiMarco
Medium AC Motors
Schenectady, New York

Specialist Suppliers assisting - - -

Bellanca Aircraft
New Castle, Delaware

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

237

For more information - - -

John DiMarco
Medium AC Motor
Schenectady, New York

Specialist Suppliers assisting - - -

Thomas Supply Corp.
122 Eric Blvd.
Schenectady, New York

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

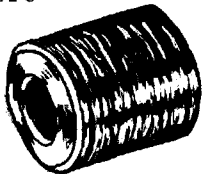
Value Analysis Services
Schenectady

238

241 MINIATURE MOTORS

242 BINDING POST

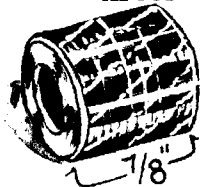
Before



\$15.18 Each

Utilized cast bar rotor construction

After



\$8.35 Each

Specialty Supplier

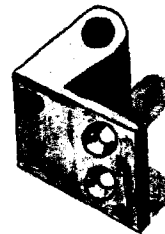
construction

Savings on 200 at \$6.80 each \$1,366/Yr.

A SPECIALTY AND MORE EFFICIENT SUPPLIER
SKILLED IN SMALL CASTINGS PROVIDED
IDENTICAL ROTORS AT A SAVING OF MORE
THAN \$6. EACH

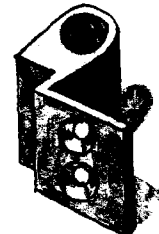
See March-April 1957 Mfg .Services Bulletin

241



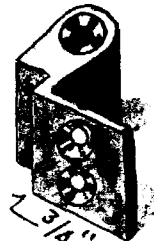
.30 ea.

Extruded brass
shape, mach.
plated



.13 ea.

Sintered, no
plating



.12 ea.

Sintered metal
nickel-silver
no plating

Saving on 100M/Yr. - \$18,000/Yr.

242

For more information - - -

John Swanwich
Medium AC Motor
Schenectady, N. Y.

Specialist Suppliers assisting - - -

Class of Improvement - - -

Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

Value Analysis Services
Schenectady

241

For more information - - -

J. B. Henderson
Outdoor Lighting Dept.
G. E. Co.
Hendersonville, N.C.

Specialist Suppliers assisting - - -

Parker White Metal Co.
McKinley Ave.
Erie, Pa.

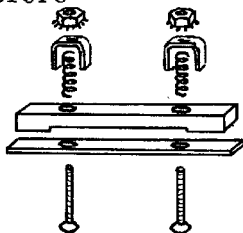
Class of Improvement - - -

Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

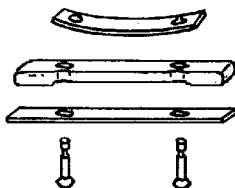
Value Analysis Services
Schenectady

242

Before



After



1st step cut from
bar stock
2nd step spring-
less function
10 parts

\$.38 ea.

\$.14 ea.

1 step sheared
coined
2nd step
springless
function 3
parts

\$.18

\$.03

Savings - First step
Second Step

\$22,000/Yr.

\$15,000/Yr.

\$37,000/Yr.



1 piece Stainless

\$.47 each



1 piece Aluminum

\$.16 each

Savings \$1240/Yr.

See December 1955 Mfg. Services Bulletin

244

245

For more information - - -

Ned Miles
Household Refr. Dept. Bldg. 5-245.
Appliance Park
Louisville, Kentucky

Specialist Suppliers assisting - - -

Coined piece Automatic Prod. Co.
1824 Columbus Road
Cleveland 13, Ohio
Springiness Function Triad Metal Prod. Co.
6984 Machinery Avenue
Cleveland 3, Ohio

Class of Improvement - - -

X Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
X Better use of something available.

Value Analysis Services
Schenectady

244

For more information - - -

Don Carlson
L&CE Dept, Erie Works
H. W. Hage
Erie Works

Specialist Suppliers assisting - - -

Alcoa

Class of Improvement - - -

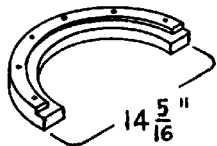
X Better idea.
X Better design.
 Better supplier.
X Better manufacturing methods.
X Better use of something available.

Value Analysis Services
Schenectady

245

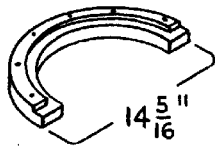
246 SEALS

Before



\$65./C

After



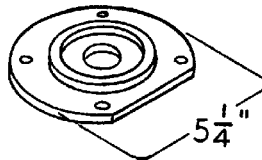
\$38./C

Savings \$8,640/Yr.

246

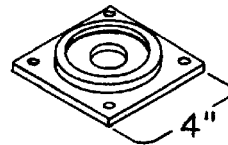
247 BEARING INNER CAP

Before



Screw Machine \$4.60 Ea. Redesign \$1.46 Ea.

After



Savings \$6,280/Yr.

247

For more information - - -

H. W. Hagle Don Carlson
Erie Works Locomotive & Car Equip. Erie

For more information - - -

John DiMarco
A.C. Motor
Schenectady

Specialist Suppliers assisting - - -

Hassan Steel Fabricator Ltd.
Ashland Ave., London, Ontario

Specialist Suppliers assisting - - -

Screw Machine Dept.
General Electric Co.
Schenectady

Class of Improvement - - -

Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

Class of Improvement - - -

Better idea.
 Better design.
 Better supplier.
 Better manufacturing methods.
 Better use of something available.

Value Analysis Services
Schenectady

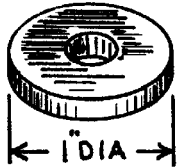
246

Value Analysis Services
Schenectady

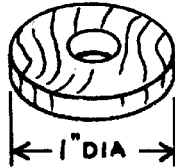
247

#248 BUTTON

Before



After



Fibre \$9.83M

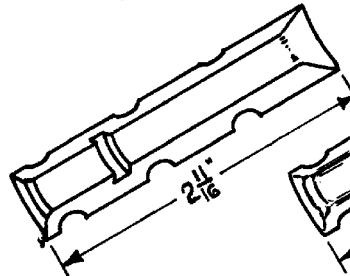
Maple Wood \$2.40M

Savings \$12,000/Yr.

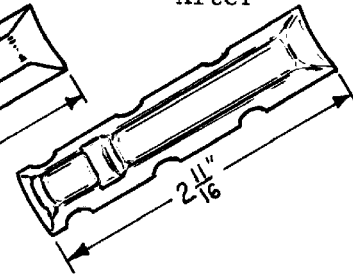
248

249 CONTACT SEGMENT

Before



After



\$1.116 Ea.

\$.458 Each

Old-Tubing plated internally cut into segments & filed

Forging

Savings \$1,400/Yr.

249

For more information - - -

Jack Shreenan
Power Trans. Dept.
Pittsfield

Specialist Suppliers assisting - - -

Allen Rogers Corp.
Laconia, N.H.

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

248

For more information - - -

Art Mudge
Mfg. Engr.
Pittsfield Works

Specialist Suppliers assisting - - -

National Cored Forging Co., Inc.
South Norwalk, Connecticut

Class of Improvement - - -

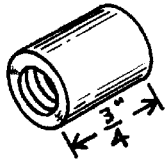
- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

249

250 NUT

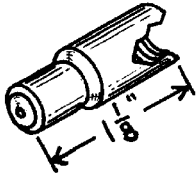
Before



\$25.90/C
Old Screw Machine &
Hand Arc Welded

Savings \$450/Yr.

After

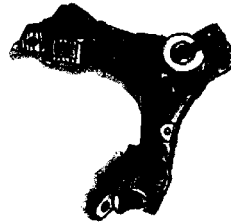


\$11.93/C
New K.S.M. Complete
& Welded by Stud
Welding Guns

250

251 BRUSH HOLDER DRG. 6634853-4

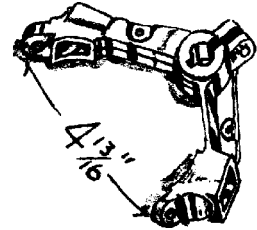
Before



\$6.63 Ea.
Bronze Sand Casting
Machined

Savings 6,000 uses per year \$30,800/Yr.

After



\$1.48 Ea.
#6 Yellow Brass Cast
& Machined

251

For more information - - -

Art E. Mudge
Mfg. Engineer
Pittsfield

Specialist Suppliers assisting - - -

K S M Products, inc.
Stud Welding Div. Merchantville, N.J.

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

250

For more information - - -

John Swanwick & Phil Spinelli
LMEG Dept. Schenectady

Specialist Suppliers assisting - - -

Pressco Casting & Mfg. Corp.
Chesterton, Indiana

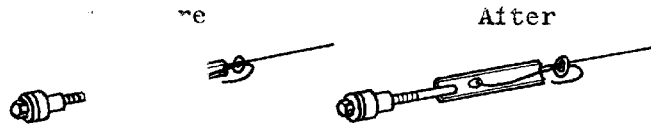
Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.
- Changed Material

Value Analysis Services
Schenectady

251

252 STRAIN BOLT ASM.



\$3.63 Each

\$1.19 Each

Casting

Fabrication

Savings \$2,440/Yr.

#253 INSULATING WASHER

Before

After

Fibre Mach. G.E.

Specialty Supplier

\$.50 ea.

\$.16 ea.

For more information ---

For more information - - -

Howard B. Secor Room 200, Bldg. 56
George Cook
R. K. Hauswald Tel 5903

Specialist Suppliers Assisting ---

SRs Schenectady
Specialist Supplier assisting, - - -
Sheet Metal Dept. Bldg. 60 Schenectady
Screw Machine Dept. Bldg. 23, Schenectady

Spaulding Fibre Co.
310 Wheeler Street
Tonawanda, New York

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Class of Improvement ---

- Better Idea
- Better Design
- Better Supplier
- Better Manu. Methods
- Better use of something available

Value Analysis Service
Schenectady

254 INSULATING WASHER

Before

Fibre \$.63 each

After

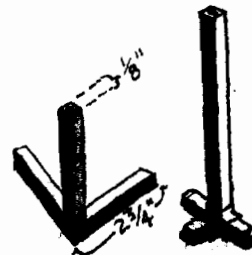
Pressed Varnish
Cambric \$.198 Each

255 FABRICATING FRAME ASSEMBLIES

Before



Tubing Welded
\$.57 Per Joint



Precision Casting
\$.25

ON THE PRECISION CASTINGS MUCH CLOSER TOLERANCES ARE BEING HELD BY USING THIS METHOD.

. For more information - - -

Specialist Suppliers Assisting ---

Class of Improvement - - -

- Better Idea
- Better Design
- Better Supplier
- Better Manu. Methods
- Better use of something available

For more information - - -

Jack Prendergast
L.N.E.E. Dept.
Utica

Specialist Suppliers assisting - - -

Class of Improvement - - -

- Better idea.
- Better design.
- Better supplier.
- Better manufacturing methods.
- Better use of something available.

Value Analysis Services
Schenectady

SHIPPING POST

Before
\$.30 Each
Extruded
brass shape
mach. & Plated



\$.13 Ea.
Sintered
No Flating
after



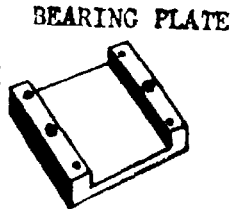
\$.12 Ea.
sintered
metal
kel-
ter alloy
ing eliminated



Saving 18,000. /yr.
For more information:
J. R. Henderson Hendersonville N.C.
Outdoor Lighting Dept. G.E. Co.
Specialist suppliers assisting:
Parker White Metal Co.
No. Kinler Ave.
Kris, Pa.

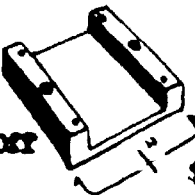
Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Manu. Methods
 Better use of something available
TAB #2

Before
Machining
individually
and
burred



\$.50

Mill Shape
Machining
In Strips
Then Cut Off

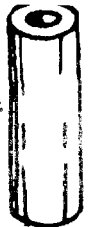


\$.35

Saving 7500
For more information:
Frank Gelsleichter Specialty
Control Dept. Waynesboro, Va.
Specialist suppliers assisting:
G.E. Control Dept.

Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Manu. Methods
 Better use of something available
TAB # 63

Before
7500 LBS.
\$2,004.
each



After
84" LONG
3375 LBS.
\$1,109.
each



Saving \$2,685 /yr.
For more information:
P. Spinelli
L.M. & O Dept. Schenectady N.Y.
Specialist suppliers assisting:
Bethlehem Steel Co.
Bethlehem, Pa.

Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Manu. Methods
 Better use of something available
TAB #222

Before
GOVERNOR SPACER
Screw Machine



\$.78
Each

After
Turnamat
Supplier
Specialist
produces on his
Turnamat special
machine



\$.27

Saving 2500 /yr. 102
For more information:
Don Carlson L.C. & E. Dept.
Kris
Specialist suppliers assisting:
Turnamet Co. Inc.
Brockport N.Y.

Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Manu. Methods
 Better use of something available
TAB # 102

Before **HEX HD BOLT**

Machined with
oversize head



\$1.07

After

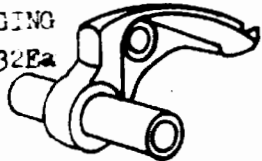
Specialty
Supplier



\$.06

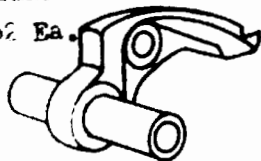
Before **TRIGGER**

FORGING
\$1.32 Ea.



After
CASTING

\$.56 Ea.



Saving 1600 /yr.

For more information:

Phil Spinelli, Lg. Mtr. & Gen.

Large Motor Mfg. Co.

Specialist suppliers assisting:

Rockford Screw Products

" Ill.

Class of Improvement:

- Better Idea
- Better Design
- Better Supplier
- Better Manu. Methods
- Better use of something available

TAB # 65

Before **CABLE TERMINAL**

Forging or Sand Casting



\$1.58
Ea.

After

Tubing



\$.98
Each

Saving \$7,200. /yr.

For more information:

H. W. Hagle Don Carlson

Eric Works L.C. & E. Dept.

Specialist suppliers assisting:

The Thomas & Betts

Elizabeth L. N.J.

Class of Improvement:

- Better Idea
- Better Design
- Better Supplier
- Better Manu. Methods
- Better use of something available

TAB # 96

Before

CAM

FABRICATED,
5 STAMPINGS,
2 RIVETS



.12

After

1 PIECE
SINTERED
IRON
BY WORKING
WITH A



.03

Saving 1600 /yr.

For more information:

Pete Demos, Power Transf.

Pittsfield

Specialist suppliers assisting:

Engineers Plastics Inc. Div.

American Sinterings

Class of Improvement:

- Better Idea
- Better Design
- Better Supplier
- Better Manu. Methods
- Better use of something available

THIS IS A SINTERED 1 PEI
(TAB # 68) UNIT

TAB # 201

STEEL WASHER
SOLID BAR STOCK MACHINED



\$14.33/C

After Punched
Now use Standard
Function the same



\$2.25/C

Saving 435
For more information:
H. W. Hagle Don Carlson
L.C. & E. Dept. Erie
Specialist suppliers assisting:
United Screw & Bolt Corp.
N.Y., N.Y. Or Cleveland, Ohio

Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Manu. Methods
 Better use of something available

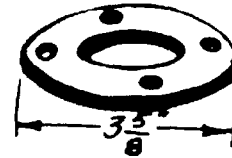
TAB # 99

Before Machined G.E. THRUST PLATE



\$1.35 Each

After Stamped
No Tool
Cost



\$0.16

Saving 1,000 /yr. 101
For more information:
Harold Hagle, L&CE
Don Carlson Erie
Specialist suppliers assisting:
United Screw & Bolt Corp.
N.Y., N.Y. Or Cleveland, Ohio

Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Manu. Methods
 Better use of something available

TAB # 102

STEEL WASHER
SOLID BAR STOCK MACHINED



\$14.33/C

After Punched
Now use Standard
Function the same



\$2.25/C

Saving 335
For more information:
H. W. Hagle Don Carlson
L.C. & E. Dept. Erie
Specialist suppliers assisting:
United Screw & Bolt Corp.
N.Y., N.Y. Or Cleveland, Ohio

Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Manu. Methods
 Better use of something available

TAB # 99

STEEL WASHER
SOLID BAR STOCK



\$16.67/C

After PUNCHED
PROVIDES AVAILABLE
STANDARD TO DO
THE SAME JOB



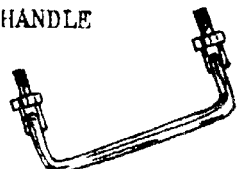
\$3.25/C

Saving 335 /yr. 100
For more information:
H. W. Hagle DON CARLSON
L.C. & E. DEPT. ERIE
Specialist suppliers assisting:
United Screw & Bolt Corp.
N.Y., N.Y. OR CLEVELAND, OHIO

Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Manu. Methods
 Better use of something available

TAB # 100

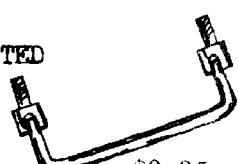
Before
Stainless Steel HANDLE



\$8.56
EACH

Saving 12,620 /yr. 1
For more information:
Value Analysis Service
Don Ernst Utica
Specialist suppliers assisting:
Cambridge Thermoplastic Co.
" Mass.

After
CHROME PLATED

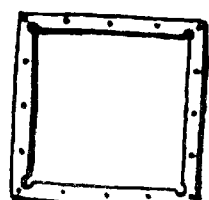


\$2.25

Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Manu. Methods
 Better use of something available

TAB # 139

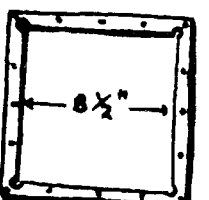
Before
Day Work Basis



\$4.15 Ea.

Saving \$3200 /yr. 1
For more information:
Don Carlson
L & C E Dept Erie
Specialist suppliers assisting:
Erie Locomotive

After
Basket Supplier

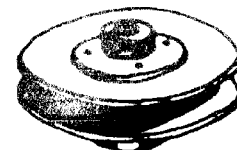


\$1.15 Each

Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Manu. Methods
 Better use of something available

TAB # 106

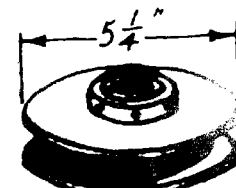
Before
VARIABLE PULLEY



\$34.63

Saving 4,848 /yr. 149
For more information:
E. J. Schmidt G. E. Co. Lamp Dept.
Cleveland Equipment Works
Specialist suppliers assisting:
Brooming Mfg. Co.
Mayeville, Kentucky

After
5 1/4"



\$3.55

Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Manu. Methods
 Better use of something available

Tab # 1

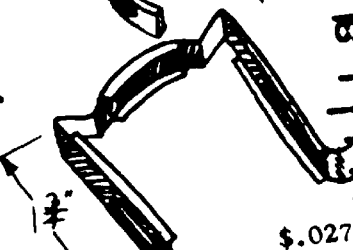
Before
MOTOR MOUNTING CLAMP



\$0.09

Saving 2,584 /yr. 148
For more information:
James M. Raibe, V.A.
Room Air Conditioner Dept.
Specialist suppliers assisting:
Tinsman Prod. Inc.
Cleveland, Ohio

After
2"



\$0.027

Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Manu. Methods
 Better use of something available

Tab # 1

Before: We made Lamp Div.

After: Outside cat. item

The replaced pulley known as C-1429 Type "S" is a commercial item at \$1.89 each. We want a finer adjustment and additional holding power. We therefore added 6 tapped holes, and an extra set screw. Now cost \$3.55 each.

No question as to whether we "make them", or "buy them". Getting a better product at approximately 10% of the former cost.

Before- Stainless steel. Made ourself

After: Chrome plated - Now buy outside

Qty. 2000/yr. Resulted from VAS trining

Suggest purchasing from Transformer Specialty Vendor, (Central Coil Co., Indianapolis, Ind.) Based on purchasing lot quantities of 5,000 (Quarterly usage).

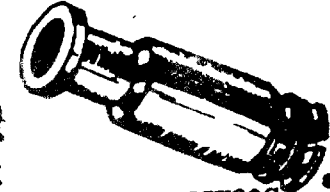
119

Tel 750

Tab # 154

Class of Improvement: _____
 Better Idea _____
 Better Design _____
 Better Supplier _____
 Better Term. Methods _____
 Better use of something _____
 Y Available _____

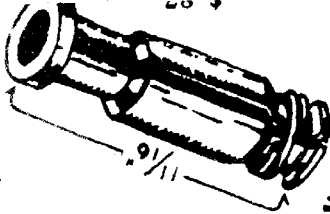
THE BREKZE CORP.
 Specialist suppliers assisting:
 J. J. FOSTER V. A. INSTRUMENT DEPT.
 WEST LEXEN MASS., NORFOLK
 For more information
 See page 219 000
 1/22. 154



SOCKET CONNECTOR

Before

\$1.46



After

BULB HOLDER

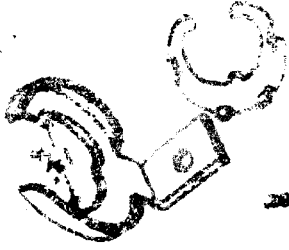
Before

21R #48. 24 R#



24

After



Class of Improvement: _____
 Better Idea _____
 Better Design _____
 Better Supplier _____
 Better Term. Methods _____
 Better use of something _____
 Y Available _____

21R #48. 24 R#
 Specialist suppliers assisting:
 H. J. SCHWARTZ, LAMP DEPT.
 CLASSIFIED MAIL, BROOKLYN
 For more information
 See page 219 000
 1/22. 154

Tab # 155

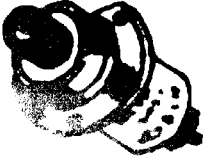
Class of Improvement: _____
 Better Idea _____
 Better Design _____
 Better Supplier _____
 Better Term. Methods _____
 Better use of something _____
 Y Available _____

6.125
 1/22. 150
 For more information:
 C. A. KRASZENKO, V. A. G. E.
 Spec. Trans. Forming, Inc.
 Specialist suppliers assisting:
 C. E. Co., Capacitor Dept.,
 Hudson Falls, N. Y.

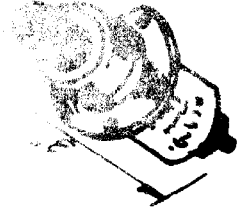


ALCATOR CAPACITOR

\$5.17



\$3.95



Class of Improvement: _____
 Better Idea _____
 Better Design _____
 Better Supplier _____
 Better Term. Methods _____
 Better use of something _____
 Y Available _____

Specialist suppliers assisting:
 THE BREKZE CORP.
 J. J. FOSTER V. A. INSTRUMENT DEPT.
 WEST LEXEN MASS., NORFOLK
 For more information
 See page 219 000
 1/22. 154



ORIGINALLY DESIGNED FOR ONE BULB SIZE.
REDESIGNED WITH INSERTS TO CONVERT TO ONE MORE
PHOTOFLASH BULB DIAMETERS.

Two 3.95 ea. 2nd 517 ea.
One special 3.95 ea.

ORIGINALLY TWO CAPACITORS WERE REQUIRED, BY UTILIZING
THE AVAILABLE SERVICES OF A CONTRIBUTING DEPARTMENT,
THE NECESSARY CAPACITOR WAS OBTAINED BY USING A SPECIAL
SAVING COST OF ONE CAPACITOR.

Before: original design (Lamp Dept.)
After: redesigned with inserts
The change reduced the time required 147 hours, during
which 1,764,000 bulbs could be processed

THIS PART WAS PURCHASED FROM AN AIRCRAFT SUPPLIER AT
THE HIGHER PRICE.

A SPECIALTY SCREW-MACHINE VENDOR PRODUCES AN IDENTICAL
PART AT THE LOWER PRICE.

ANOTHER SUPPLIER CAN SUPPLY A PART.

Before - Special nut plate
After - Standard clinch nut

Labor:
Est. labor saving for assembly .0508
Est. labor saving by eliminating tapping operation .0062

A LOW COST STANDARD (TRADE NAME "GRIPCO" REPLACED
SPECIAL, THEREBY ELIMINATING SHEARING, WELDING, DRILLING,
TAPPING.

Before: Aircraft supplier
After: Specialty screw mach.

Tel # 154

151

Before BUSHINGS & SEALING SCREW

Machined From Bar Stock



After Die Cast Complete



Saving \$25,000 /yr. 12%
 For more information:
 H.S. Aurelius Jr., V.A. Unit
 Philadelphia Works
 Specialist suppliers assisting
 G.E. Co. Tool Room
 Philadelphia

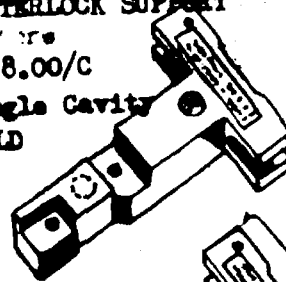
Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Manu. Methods
 Better use of something available

TAB # 183

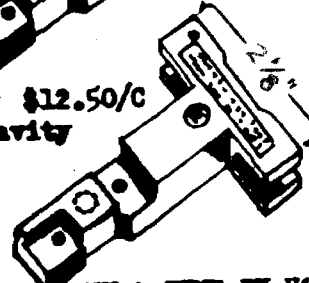
INTERLOCK SUPPORT

\$28.00/C

Single Cavity MOLD



Now \$12.50/C
 Two Cavity MOLD



Saving 55% or \$5,536./yr.
 For more information:
 F.B. Johnson Gen Purpose Control
 Bloomington, Ill.
 Specialist suppliers assisting:
 G.E. CO.
 DECATUR

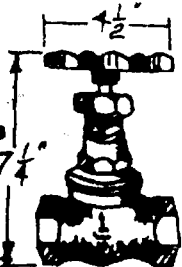
Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Manu. Methods
 Better use of something available

SAVES MONEY & TIME BY USING DOUBLE MOLD TAB #205

Before VALVES Damaged or worn discarded.



After Reclamation to new valve quality for less than 60% of the original cost



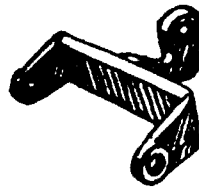
Saving 2,500 or \$6,000./yr. 17%
 For more information:
 JIM L. WENTWORTH
 Pittsfield
 Specialist suppliers assisting:
 The Industrial Valve Inc
 9113 Prince Ave Cleveland, Ohio

Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Manu. Methods
 Better use of something available

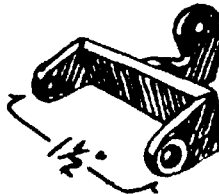
TAB # 173

TOGGLE LINK

Now \$1.96/C
 FORGING



Now \$1.26/C
 CASTING



Saving 49% or \$6,478./yr.
 For more information:
 Circuit Protective Devices
 Plainville, Conn
 Specialist suppliers assisting:
 PRESSCO CASTING & ENG. CORP.
 CHESTERTON IND.

Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Manu. Methods
 Better use of something available

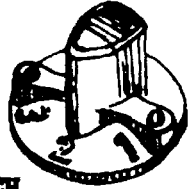
TAB #202

OPERATED MECHANISM CAP
 Before
**SAND CASTING MACHINED
 AND HOLES
 DRILLED**

\$8.05 Ea.
 \$7.05



After
**PERMANENT
 MOLD
 CASTING
 NO
 MACHINING**
 \$1.05 EACH



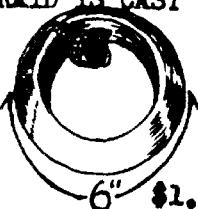
Saving 3000 \$21,000./yr.
 For more information:
**HARVEY BATH
 POWER TRANSFORMER PITTSFIELD**
 Specialist suppliers assisting:
**HAMPDEN BRASS & ALUMINUM
 252 LIBERTY STREET
 SPRINGFIELD, MASS.**
 Class of Improvement:

- Better Idea
 - Better Design
 - Better Supplier
 - Better Manu. Methods
 - Better use of something available
- TAB # 218

Before
GRATING RING
 BURNED FROM
 1" THICK
 BOILER
 PLATE &
 MACHINED
 CU STRIP BRAZED

After
**PERMANENT MOLD CASTING
 COPPER BRAID IS CAST
 AS AN
 INTEGRAL
 PART OF
 THE RING**

6" \$1.10 EACH



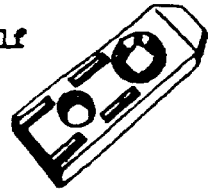
Saving 750PCS. \$1,163./ Yr.
 For more info: Harvey Bath
TRANSFORMER DEPT. PITTSFIELD
 Specialist suppliers assisting:
**HAMPDEN BRASS & ALUMINUM
 262 LIBERTY ST. SPRINGFIELD, MASS.**

- Class of Improvement:
- Better Idea
 - Better Design
 - Better Supplier
 - Better Mfg. Methods
 - Better use of something available

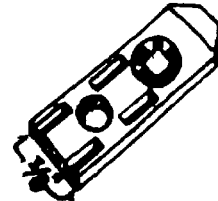
TAB # 219

TERMINAL STRIP

Made Ourself
 \$1.17 /C

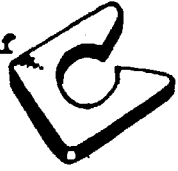


After
 Specialty
 Supplier
 \$.539/C



CLAMPING STRIP

Before
 Made Ourself
 \$.941/C



After
 Specialty
 Supplier
 \$.305/C



Saving 514 or \$5,521./yr.
 For more information:
**F.B. Johnson Gen Purpess Control
 P.O. Box 913 Bloomington, Ill.**
 Specialist suppliers assisting:
**MOHAWK MFG. CO.
 MIDDLETOWN, CONN.**

Class of Improvement:

- Better Idea
 - Better Design
 - Better Supplier
 - Better Manu. Methods
 - Better use of something available
- TAB # 209

Saving 68% or \$9,378./yr. 2/0
 For more information:
**F.B. Johnson Gen. Pur. Control
 P.O. Box 913 Bloomington, Ill.**
 Specialist suppliers assisting:
**MOHAWK MFG CO.
 MIDDLETOWN, CONN.**

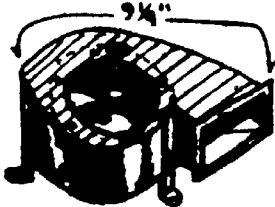
Class of Improvement:

- Better Idea
 - Better Design
 - Better Supplier
 - Better Manu. Methods
 - Better use of something available
- TAB 210

Blower Housing
 Before
 \$52.45 Ea.
 Fiber
 glass
 Reinforce
 plastic



After
 \$18. Ea.



Fabricating from sheet aluminum

230

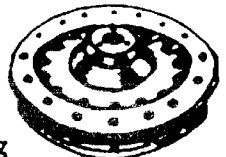
Saving \$34.650./yr.
 For more information:
Glenn Woodward
Aircraft Acc Rvwr Works
 Specialist suppliers assisting

Class of Improvement:

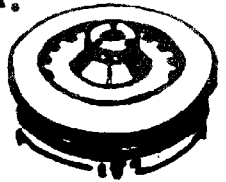
Better Idea
 Better Design
 Better Supplier
 Better Manu. Methods
 Better use of something available

TAB # 230

Fan
 \$17. Each
 Malleable
 casting
 punched
 steel ring
 riveted to one side of the
 plate.



After
 \$10.99 Ea.
 One-piece
 aluminum
 sand
 casting



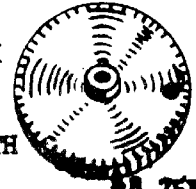
Saving \$10,733./yr.
 For more information:
D.L. Carlson
L & Co Dept. Erie Works
 Specialist suppliers assisting:
G.E. Foundry
Erie, Pa.

Class of Improvement:

Better Idea
 Better Design
 Better Supplier
 Better Manu. Methods
 Better use of something available

TAB #231

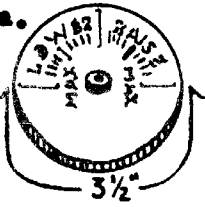
Before CONTROL GEAR
 TURNED
 BAR STOCK
 DRILLED
 TAPPED
 GEAR TEETH
 HOBBED
 After
 \$8.75 Ea.
 POWDER METAL NO MACHINING



\$.80 EACH

4 1/2"

Before INDICATOR
 PLASTIC
 MOLD
 CASTING
 ALUM,
 MACH.
 \$1.23 Ea.
 After
 DIE CASTING NO MACH.
 \$.175 Ea.



Saving 600/yr. \$1,770./ Yr.
 For more info: HARVEY RATH
POWER TRANSFORMER PITTSFIELD
 Specialist suppliers assisting:
ENGINEERED PLASTIC, INC.
SILK ST. WATERTOWN, CONNECTICUT

Class of Improvement:

Better Idea
 Better Design
 Better Supplier
 Better Mfg. Methods
 Better use of something available

TAB # 220

Saving 1500/yr. \$1,568./ Yr.
 For more info: HARVEY RATH
POWER TRANSFORMER PITTSFIELD
 Specialist suppliers assisting:
MT. VERNON DIE CAST CORP.
SOUTHFIELD AVE. STAMFORD, CONN.

Class of Improvement:

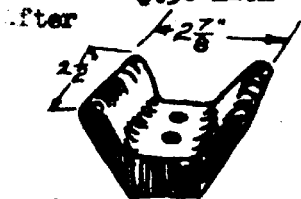
Better Idea
 Better Design
 Better Supplier
 Better Mfg. Methods
 Better use of something available

TAB # 221

Before \$1.72 Each
Machined, Bar Stock Bored



And Counterbored
After \$0.36 Each



CASTING

Saving on 100 \$13,600. /yr. ~~73%~~

For more information:

John Di Marco, Med. A.C. Motor
Schenectady, N.Y.

Specialist suppliers assisting:

T.K. Foundries

Troy, N.Y.

Class of Improvement:

- Better Idea
- Better Design
- Better Supplier
- Better Manu. Methods
- Better use of something available

TAB # 236

Before \$2.82 Each
No Lip



After \$2.89 Each
With Lip .50 increase saved
\$20. per Motor.



Eliminated 8 studs 8 holes & Special Fixture.

Saving 8 per \$20,000. /yr. ~~25%~~

For more information:

John DiMarco

A.C. Motor Schenectady, N.Y.
Specialist suppliers assisting:

Ballena, Aircraft

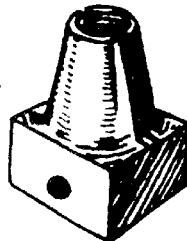
May Castle, Delaware

Class of Improvement:

- Better Idea
- Better Design
- Better Supplier
- Better Manu. Methods
- Better use of something available

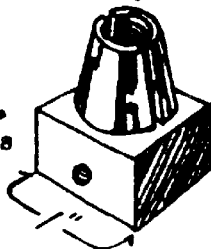
Tab # 37

Nut
Before
\$5.29 Each



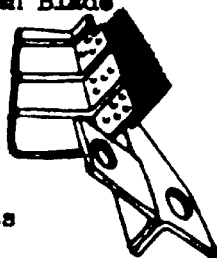
Cast B
Bronze
Machined

After
\$3.87 Ea.
Stainless
from bar
stock



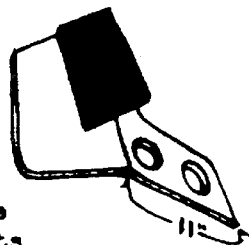
Fan Blade

Before
\$7. Ea.



3 piece
13 Rivets

After
\$2. Ea.



2 piece
4 rivets

232
Saving 25% \$800. /yr.

For more information:

Hal Jones

Industry Control Roanoke, Va.
Specialist suppliers assisting:

WAREHOUSE SUPPLIER

Class of Improvement:

- Better Idea
- Better Design
- Better Supplier
- Better Manu. Methods
- Better use of something available

TAB # 232

Saving \$16,000. /yr.

For more information:

Phil Spinelli

L.M. & G. Schenectady, N.Y.
Specialist suppliers assisting:

G.E. Co.

Punch Press

Schenectady, N.Y.

Class of Improvement:

- Better Idea
- Better Design
- Better Supplier
- Better Manu. Methods
- Better use of something available

Tab # 234

Before
11
Parts
\$4.60 Ea.

BRUSH WHEELER



After
2 Parts
\$2.00 Ea.



Saving \$78,000. Yr. ²³⁷
 For more info: Phil Spinelli
L.N.&G. Mfg. Schenectady
 Specialist suppliers assisting:
G.E. Foundry Erie Pa. On Castings
Hunter Spring Co. Lansdale Pa.
 Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Mfg. Methods
 Better use of something available
 Tab # 243

Before \$.63 Ea.
 Standard
 Kipple
 And
 Elbow



After \$.38 Ea.
 Casting
 Street "L"
 With Lug



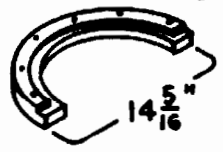
Saving \$1,250./yr. ²³⁸
 For more information:
John DiMarco
A.C. Motor Schenectady, N.Y.
 Specialist suppliers assisting:
Thomas Supply Corp.
122 Erie Blvd.
Schenectady, N.Y.
 Class of Improvement:

Better Idea
 Better Design
 Better Supplier
 Better Manu. Methods
 Better use of something available
 TAB 238

Before
\$65./C.
OLD SUPPLIER



After
\$36./C.



NEW SUPPLIER

Saving \$8,500. Yr. ²⁴⁶
 For more info: Don Carlson
Locomotive & Car Equip Erie Mfg
 Specialist suppliers assisting:
Hassan Steel Fabricator Fabricator
Ashland Ave. London, Ontario
 Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Mfg. Methods
 Better use of something available

Saving \$1,366./yr.
 For more information:
John Smarck
A.C. Motor Schenectady, N.Y.
 Specialist suppliers assisting:
 Class of Improvements:
 Better Idea
 Better Design
 Better Supplier
 Better Manu. Methods
 Better use of something available
 TAB #241



After
\$8.35
Each

Utilized cast bar rotor construction.

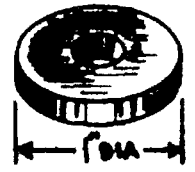


\$15.18
Each

Manufacture Motors

Before
\$9.83M

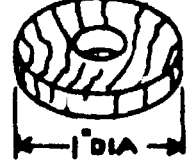
FIBRE BUTTONE



Saving \$12,000. Yr. ²⁴
For more info: JACK SHREKMAN
POWER BRAND. DEPT. PITTSFIELD
Specialist suppliers assisting:
ALLEN-ROOFS CORP.
YACONIA, N.H.

After
\$2.40M

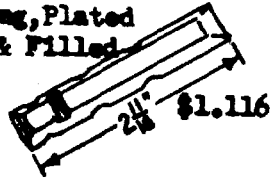
MAPLE WOOD



Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Mfg. Methods
 Better use of something available

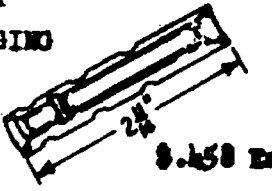
TAB # 248

Before
CONTACT SEGMENT
Tubing, Plated
Cut & Filled



Saving \$1,400. Yr. ²⁴
For more info: ART E. NUDGE
Mfg. Engr. Pittsfield
Specialist suppliers assisting:
NATIONAL CORED FORGING CO., INC.
SOUTH NORWALK, CONN.

After
FORGING



Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Mfg. Methods
 Better use of something available

Tab # 249

Before **SHIM**
1 pc. Stainless Steel
\$.47 Ea.



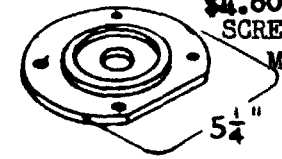
Saving \$1,240. Y
For more info: Don Carlson
L & C E, Erie Works
Specialist suppliers assisting
Alcoa

After 1 Pc. Aluminum
\$.16 Ea.



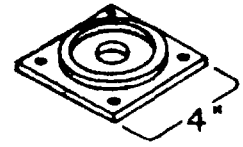
Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Mfg. Methods
 Better use of something available

Before **BEARING CAP**
\$4.60 Ea.
SCREW MACH.



Saving \$ 6,280.
For more info: John Di Marco
A.C. MOTOR SCHEMECTADY
Specialist suppliers assist
G.E.CO. SCREW MACHINE DEPT
SCHEMECTADY

After
\$1.46 Ea.



RE - DESIGN

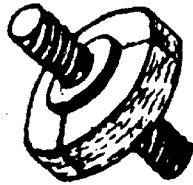
Class of Improvement:
 Better Idea
 Better Design
 Better Supplier
 Better Mfg. Methods
 Better use of something available

Tab
247

INSULATOR STUD

Welded with
Glastic

3.00



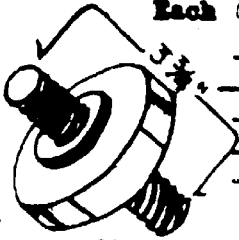
\$3.00

Each

After

1.50

Welded with
Glastic



\$1.50

Saving 725,000 Yr. 54
For more information:
Phil Spinelli, Value Analyst
Lg. Mfr. & Gen. Sch'dy
Specialist suppliers assisting:
Glastic Corp.
Cleveland, Ohio

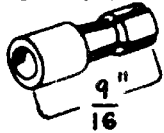
Class of Improvement:

- Better Idea
- Better Design
- Better Supplier
- Better Mfg. Methods
- Better use of something available

TAB # 54

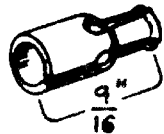
TEST POINT ADAPTER

Before Step 1 \$.50 Ea., 2 \$.22 Ea. For more info: Syracuse Yr. 204
Saving \$100,000 Or 96%



9"
16

After \$18.35/M.



9"
16

J. H. SAWLER H.M.E.E. BLDG # COURT ST.
Specialist suppliers assisting:
VOLKERT STAMPING

Class of Improvement:

- Better Idea
- Better Design
- Better Supplier
- Better Mfg. Methods
- Better use of something available

Tab # 204

Before **MUT**
Screw Mach
Hand
ARC
Welded



\$25.90/C.

After

K.S.M.
Complete
And
Welded
By Star
Welding
Gun



\$11.93/C.

Saving \$150. Yr. 23
For more info: Art E. Wodge
Mfg. Engr. Pittsfield
Specialist suppliers assisting:

Class of Improvement:

- Better Idea
- Better Design
- Better Supplier
- Better Mfg. Methods
- Better use of something available

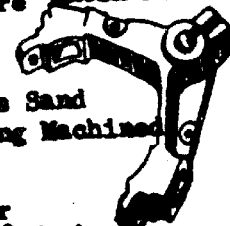
TAB # 250

BRONZE MOLDER

Before \$6.65

Each

Bronze Sand
Casting Machine

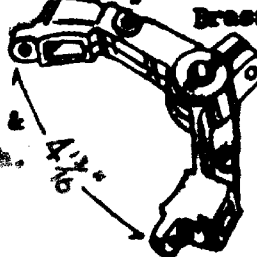


After

\$1.48 Each

6 Yellow
Brass

Cast &
Mach.



Saving \$30,800. Yr. 24
For more info: John Swanwick &
Phil Spinelli L.M. & G Dept. Sch'dy
Specialist suppliers assisting:
Fresco Casting & Mfg. Corp.
Chesterton, Indiana

Class of Improvement:

- Better Idea
- Better Design
- Better Supplier
- Better Mfg. Methods
- Better use of something available
- I Changed Material

Tab. #

Before First Step SOLID BERYLLIUM COPPER RODS \$.50 EACH
Second " " " Same Specialty Vendor .22 "

AFTER STAMPING FROM STRIP STOCK

\$18.35/M.

Savings 96% Or \$10,000./Yr.

THESE TEST POINTS WERE MADE ON A SCREW MACHINE FROM
BERYLLIUM COPPER ROD STOCK. A PROGRAM COMBING EFFORTS
OF ENGINEERING, MANUFACTURING, & PURCHASING REDUCED
THE COST. IN ADDITION, 3- $\frac{1}{2}$ POUNDS OF MATERIAL IS
SAVED FOR EACH 1000 POINTS.

" NEW PROCESSES, AND SPECIALTY SUPPLIERS PAY"
DESIGN CHANGED TO ALLOW THE USE OF LOWER COST PROCESS.

Tob# 204

Before: Moulded with Mycalex

After: Moulded with Glastic

Worked with specialist supplier who was able to give us
same function in a glass reinforced plastic at half
the cost