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__53-21__

R. F. Transformer

*FROM*

![Old Design](image1)

*TO*

![New Design](image2)

37¢  
17-1/2¢

Design
Simplified for Manufacturing

SAVINGS -- $39,000/yr

Worked with specialist supplier utilizing his simplified but functional design which eliminated washers and threading small wires through holes.
For more information --
Fred Schnoor, Value Analyst, Syracuse

Specialist suppliers assisting --
Paul Smith, Inc.
Cincinnati, Ohio

Class of improvement --

☐ Better idea.
☒ Better design.
☐ Better supplier
☒ Better manufacturing methods.
☐ Better use of something available.
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Metallic Tube Retainer

FROM

\[4.2\,\text{c} \quad \text{TO} \quad .9\,\text{c}\]

SAVINGS -- $22,000/yr.

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

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Steel J Bolt

FROM

11.7¢
Cut Thread
Screw-Machine Part

TO

1.5¢
Rolled Thread Part

SAVINGS -- $80,000/yr.

Asked rolled thread specialist to study it. Had words "cut thread" removed from drawing.
For more information --
Fred Schnoor, Value Analyst, Syracuse

Specialist suppliers assisting --
Townsend Company
New Brighton, Pennsylvania

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

FROM

| Wire Mesh | 28¢ |

TO

| Perforated Sheet Metal | 18¢ |

SAVINGS -- $12,000/yr.

Allows essential cooling and adequate protection.
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.

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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.
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.
\checkmark Better supplier.
\checkmark Better manufacturing methods.
- Better use of something available.

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Radio and Television Speaker

FROM

TO

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

FROM

11.8¢
Inside Threaded Tube Assembly

SAVINGS -- $28,000/yr.

TO

2.5¢
Headed Roll-Threaded Eye-screw

Worked with specialist supplier getting his suggestions and quotations.
For more information --
Fred Schnoor, Value Analyst, Syracuse

Specialist suppliers assisting --
Townsend Company
New Brighton, Pennsylvania

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

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Insulator Ball Stud

FROM

18¢
Forged

TO

12-1/2¢
Hot headed

SAVINGS -- $80,000/yr

Worked out problem of hot-heading with supplier. Provides the same function.
For more information --

C. M. Gordon, Locke Dept., Baltimore

Specialist suppliers assisting --

Bethlehem Steel Company
Bethlehem, Pennsylvania

Class of improvement --

Better idea.
Better design.
Better supplier.
Better manufacturing methods.
Better use of something available.
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Speaker Pole Piece

FROM

3-1/2¢
Screw Machine Item

TO

1-1/2¢
Upset Blanchard-Ground

Reduction -- $40,000/yr.

OD, perpendicularity and finish tolerances held--non-critical length tolerance increased by .005". Critical face finish better than before.
For more information --
Value Analysis Services, Schenectady

Specialist suppliers assisting --
Schenectady Screw Machine Department

Class of improvement --

Better idea.

Better design.

Better supplier.

Better manufacturing methods.

Better use of something available.

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Appliance Control Dial

FROM

12¢
Hot Stamp Lettering

TO

6¢
Letters automatically Paint Filled and Wiped

SAVINGS -- $6000/yr.

New supplier built small automatic machine which provided a better product and cut costs in half.
For more information --
A. G. Hoyt, Jr., Value Analyst,
Louisville

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.
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Potentiometer Knob

<table>
<thead>
<tr>
<th>FROM</th>
<th>TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>$2.25</td>
<td>25¢</td>
</tr>
</tbody>
</table>

Special Aluminum Knob

Standard Plastic-Metal Knob

Quantity ---- 400/year

Save 9/10 of the Cost.

Provided suitable available standard for use on the job.
For more information --
Value Analysis Services, Schenectady

Specialist suppliers assisting --
Kurz-Kasch, Inc.
Dayton, Ohio

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

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Dial Hub

FROM

1.27 Machined Steel

TO

2½

13¢ Available Aluminum Disc -- Drilled

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

Aluminum Company supplies in bulk, standard discs of suitable dimension. Flatten and drill for the same function with even lighter weight.
For more information --
Value Analysis Services, Schenectady

Specialist suppliers assisting --
Aluminum Company of America
1814 Alcoa Building
Pittsburgh 19, Pennsylvania
or
Other aluminum companies.

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

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Control Nut

FROM

3.5¢
Brass Screw Machine Part

TO

.7¢
Molded Nylon Nut

SAVINGS -- $14,000/yr

Specialist supplier makes nylon nut as miniature casting.
For more information --
Ray Bowen, Value Analyst, Bridgeport

Specialist suppliers assisting --
Gries Reproducer Corp.
780 East 133rd Street
New York 54, New York

Class of improvement --

Better idea.

Better design.

Better supplier.

Better manufacturing methods.

Better use of something available.
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Control Shaft

FROM

7¢
Steel Screw Machine Shaft

TO

1-1/2¢
Zinc Miniature Die Cast Shaft

SAVINGS -- $25,000/yr

Specialty supplier casts parts in high speed single cavity dies. Rejections at assembly reduced by 3/4.
For more information --
Ray Bowen, Value Analyst, Bridgeport

Specialist suppliers assisting --
Gries Reproducer Corp.
780 East 133rd Street
New York 54, New York

Class of improvement --

— Better idea.
✓ Better design.
✓ Better supplier.
✓ Better manufacturing methods.

Better use of something available.

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Spacer Stud

<table>
<thead>
<tr>
<th>FROM</th>
<th>TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>15-1/2¢</td>
<td>2-1/2¢</td>
</tr>
<tr>
<td>Screw Machine Part</td>
<td>Upset and Roll-thread Stud plus Rolled Spacer</td>
</tr>
</tbody>
</table>

SAVINGS -- $52,000/yr.

The two functions of "holding something together" and "separating something" were provided by two functional parts.
Specialist suppliers assisting --
Upset Roll Threaded Stud
Townsend Company
New Brighton, Pennsylvania
Rolled Spacer
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.

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V Belt Pulley

FROM  
60¢  
Screw Machined Steel Pulley

TO  
23¢  
Die Cast Pulley

SAVINGS -- $22,000/yr

Worked with die casting supplier to achieve same performance from his product.
For more information --
Value Analysis Services, Schenectady

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

Value Analysis Services
Schenectady