BEESTON NEW ROYAL RADIATOR.
TWO COLUMN, 3½" WIDE.

This Radiator can be supplied without feet in all sizes, but all Radiators supplied with feet unless ordered otherwise.

BEESTON HOSPITAL EASY CLEAN RADIATOR.
5" WIDE.

This Radiator can be supplied without feet in all sizes, but all Radiators supplied with feet unless ordered otherwise. We also make this Radiator hinged, see page 130.

For illustration of Hospital Radiator without feet, see page 151.
BEESTON NEW ROYAL RADIATOR.
FOUR COLUMN, 7½" WIDE.

This Radiator can be supplied without feet in all sizes, but all Radiators supplied with feet unless ordered otherwise.

BEESTON HOSPITAL EASY CLEAN RADIATOR.
3½" WIDE.

This Radiator can be supplied without feet in all sizes, but all Radiators supplied with feet unless ordered otherwise.
BEESTON HOSPITAL EASY CLEAN RADIATOR.
5" WIDE.

This Radiator can be supplied without feet in all sizes, but all Radiators supplied with feet unless ordered otherwise. We also make this Radiator hinged, see page 130.

For illustration of Hospital Radiator without feet, see page 151.

BEESTON ROYAL SCHOOL RADIATOR.
7½" WIDE.

This Radiator can be supplied without feet in all sizes, but all Radiators supplied with feet unless ordered otherwise.
BEESTON NEW ROYAL WINDOW RADIATOR.
SEVEN COLUMN, 13½" WIDE BY 13½" HIGH

BEESTON HOSPITAL HINGED RADIATORS.
5 in. AND 7 in. WIDE.

SPECIALY DESIGNED FOR USE IN HOSPITALS.
We do not recommend Hinged Radiators to be longer than 20 loops.
This Radiator swings like a gate and is 1¼" wide between the columns to enable every part to be easily cleaned, and is similar in every respect to the one shewn on pages 116 and 118, but without feet.
For prices of mountings, including two special brass elbows with stuffing boxes and cast bracket for bolting on the wall, see below.
Prices do not include bolts for bracket, valve, elbow, or pipe shewn in illustration.
The illustration shows two sections of No. 1 Panel Radiator, the same as page 134, but with strips on the front face. With these strips cast on, the joint between the sections is not discernible and the Panel has a more pleasing effect than a plain plate.

Ratings, etc., are exactly as page 134.

Price per section.—18" high, 18/9; 24" high, 21/3; 30" high, 24/6.

In ordering, please specify No. 1 Panel with Strips.

Solid making-up Panel pieces can be supplied to any width. We shall be pleased to quote on receipt of specification.

**BEESTON RADIANT PANEL RADIATORS.**

**WITH BORDER STRIPS ALL ROUND.**

We can supply No. 1 and No. 3 Panel Radiators with border strips, either in aluminium beading or chamfered bar iron, fastened on with brass screws. This beading allows for wall shrinkage, and we shall be pleased to quote the extra price per lineal foot on application.
HEATING BY BEESTON RADIANT PANELS.

Continued from page 131.

The unique feature of Radiant Panel Radiators not reproduced in other systems is the speed at which comfort effects are obtained and ease of control by valve isolation. Beeston Radiant Panels heat up quickly and will therefore respond to sudden fluctuations in temperature.

It is not generally understood that the difference between radiant heat and convected heat is very important. In convected heat the heat is transmitted by the movement of the air by change in density after being in contact with a heated surface. A cold draught will quickly destroy convection.

In radiant heat the heat rays are independent of the temperature of the surrounding medium, and will transmit the same amount of radiant heat at a given distance or heat up a stationary object at that distance, even if there is a cold draught passing between the panel and the receiving medium.

Convection takes place with panels by the heating of the articles and floor in the room by the radiant heat rays and the consequent convection from these articles. This factor is not directly calculable, but may be taken into account in general design in the same way as the heat generated by the human body is allowed for.

From these notes it will be seen that rooms over 15' high are difficult to heat with Panel Radiators alone. Also, where rooms are wider than 20' wide the height must be taken into consideration. In such cases a combination of radiation and convection by the suitable balancing of Panels and Radiators or pipes gives very good results.

No. 4 BEESTON PANEL WALL RADIATORS.
Fixed in a Town Hall. No floor space occupied. Effective heating surface exposed.
This Panel type Radiator is not buried in the wall but is fixed with its flat side directly on to the wall and the effective heating surface projecting into the room. It thus combines the unobtrusiveness of the flat panel Radiator with the increased transmission of the column type, for in addition to the transmission figures by convection given below, it emits considerable radiant heat. When fitted flat on the wall without any insulation pad it has a projection of only 2 1/4”. An insulating pad can be fitted between the Radiator and the wall if desired, but the thickness of this must be added to the projection. It is specially suitable for placing underneath windows as it is easily and quickly cleaned and does not harbour dirt and dust. For Shops, Flats, etc., where economy of space is a consideration, there is no better Radiator on the market. We supply bottom brackets for wall and woodwork as page 141, and these brackets do not project beyond the Radiator and are hardly discernible. To secure Radiator at top it is drilled 3/8” clearance for rag bolt or 1” clearance for wood screw.

Two bottom brackets recommended for Radiators up to four sections long, and a further bottom bracket for each two additional sections.

If it is required to dispense with bottom brackets, the solid part of the casting can be drilled at top or bottom to receive large size screw or rag bolt.

**TRANSMISSION IN B.T.U. PER HOUR PER SECTION.**

<table>
<thead>
<tr>
<th>Height</th>
<th>Temperature difference</th>
<th>60°</th>
<th>70°</th>
<th>80°</th>
<th>90°</th>
<th>100°</th>
<th>110°</th>
<th>120°</th>
<th>130°</th>
<th>140°</th>
<th>155°</th>
<th>Steam</th>
</tr>
</thead>
<tbody>
<tr>
<td>29”</td>
<td>B.T.U.</td>
<td>623</td>
<td>761</td>
<td>905</td>
<td>1055</td>
<td>1210</td>
<td>1370</td>
<td>1534</td>
<td>1702</td>
<td>1874</td>
<td>2139</td>
<td></td>
</tr>
<tr>
<td>23”</td>
<td>Transmission</td>
<td>511</td>
<td>624</td>
<td>742</td>
<td>865</td>
<td>992</td>
<td>1123</td>
<td>1257</td>
<td>1395</td>
<td>1536</td>
<td>1754</td>
<td></td>
</tr>
<tr>
<td>17”</td>
<td></td>
<td>386</td>
<td>472</td>
<td>561</td>
<td>654</td>
<td>750</td>
<td>849</td>
<td>951</td>
<td>1054</td>
<td>1161</td>
<td>1326</td>
<td></td>
</tr>
</tbody>
</table>
CURVED ROYAL RADIATOR.

Specially suitable for private house work.

We make curved Radiators as illustrated above, in Royal, Royal School and Hospital patterns, in all standard widths and all standard heights up to 3 feet, except Window pattern, 13½" high, 5-column Royal, 13½" high, and 3½" wide Radiators.

We cannot make Radiators to a less curve than 2 feet radius, or 4 feet diameter. When ordering, please give radius of curve to skirting.

We arrange for Radiator to be placed 1½" from skirting unless otherwise specified. All curved Radiators are specially made and are not returnable.

Extra to ordinary list prices, 9 6 per section.

Delivery approximately 14 days.

BEESTON COPPER RADIATORS.

FLOOR AND WALL TYPE

Floor type Radiators can be supplied without feet in all sizes, but we supply with feet unless ordered otherwise.