To all whom it may concern:

Be it known that I, ALVIN G. SHERMAN, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Stove Top and Shelf Constructions, of which the following is a specification.

This invention relates to stove construction and has for its object a stove oven top and shelf constructed to make a roll at the back where the shelf and oven top meet the rear wall of the stove. This provides a rear ledge for the shelf and oven top which is formed on a long sweeping curve that makes it easy to keep the same clean. This roll makes a very nice appearing shelf and oven top construction especially when the same is glass enameled, giving it the same simple pleasing appearance that is found in the roll construction used with glass enameled bath tubs and wash basins.

The features of construction and novelty can be best understood after a detailed description has been given.

In the drawings,—

Fig. 1 is a fragmentary perspective of a gas or vapor stove provided with my improved stove top and shelf construction.

Fig. 2 is a fragmentary view of the right upper rear corner from behind.

Fig. 3 is a fragmentary view showing the side of the oven and the rear upper left corner of the stove.

Fig. 4 is a fragmentary section taken on the line 4—4 of Fig. 3.

Fig. 5 is a section taken on the line 5—5 of Fig. 1.

Fig. 6 is a section taken on the line 6—6 of Fig. 1.

Fig. 7 is a section taken on the line 7—7 of Fig. 6.

Fig. 8 is a fragmentary section through the roll at the back of the oven top.

a designates the oven of the stove, b the back wall, c the grate-supporting frame, d the broiler oven door, e the oven door. The other parts of the stove need no further description except in connection with the shelf and top construction now to be described.

The oven top is designated f and is joined to the oven side wall g as shown in Fig 4, and the oven side wall h as shown in this figure. A rounded trimming strip i conceals the joint between the top wall and side wall k and a less rounded trimming strip j conceals the joint between the oven side wall g and f. These trimming strips are made the subject of a separate application, hence will not be detailed described nor will they be claimed in this application. The application referred to is my co-pending application No. 575,519.

Now ordinarily the top wall of the oven and the shelf k meets the rear wall of the stove in a right angular open joint which permits accumulation of grease and other forms of soil so as to make the joint unsanitary. It is the object of the present shelf and oven top construction to substitute a roll of long sweeping curves instead of the common construction and make a more sightly joint and a more sanitary construction at this point.

The top of the oven and the shelf k gradually rise near the rear in a roll g. A reinforcing strip or tie m, of angle section, is welded to both the under side of the top and shelf and to the back of the roll to prevent the roll spreading in the enamelling oven. This also reinforces the roll when assembled onto the stove by bolting the rear down run of the roll and the vertical web of the angle strip m by the stove bolts n to the back b—h.

The shelf k is glass enameled as at s and the oven top at t. The turned-down flange t is secured to the inside oven wall g and the turned-down flange u of the oven top f by the bolts and nuts v (see Fig. 4).

The descending portion of the roll at the back is provided with a hole s at the right hand end to permit introducing the nut 5. The roll is jogged at 1 and 2 (Figs. 7 and 6) to provide a flush joint where the trimming strip 3 fits thereover. This trimming strip is bolted to the overlapped meeting edges of the side and top walls by a concealed bolt 4 as is plainly shown in Fig. 6. At the rear, the trimming strip is bolted to the roll by the bolts and nut 5.

This roll construction makes a joint at the back in which the bolts are completely concealed from exposure at the front of the stove and which gives a long sweeping curve...
that may be easily wiped clean and which lends an artistic appearance to the stove by its extreme simplicity and neatness.

What I claim is:

1. In stove construction, the combination of a back wall and a member formed of sheet metal turned upward from a horizontal run and rising into a roll with a long sweeping curve and having the descending portion of the roll fastened to the said back wall.

2. In stove construction, the combination of a back wall, a sheet metal member having a horizontal run of metal which at the back rises in a roll and is removably secured to the said back wall.

3. In stove construction, the combination of a back wall, a top and shelf construction including sheet metal members which have at their forward portions a horizontal run of metal which as it nears the rear of the stove rises in a roll with a curved base and which has the rear descending portion of the roll secured to the said back wall of the stove.

4. In stove construction, the combination of a back wall, and a top and shelf construction including sheet metal members which have at their forward portions horizontal runs of metal which when each nears the rear of the stove rises in a roll having a curved base merging with the horizontal portion and having curved top portion and a descending rear portion, and bolts and nuts by which the descending rear portions of the roll are removably secured to the back of the stove.

5. In stove construction, the combination of a back having in its top a slight jog, a top and shelf construction having a member having at its front a horizontal run which as it nears the rear of the stove gradually curves into a roll having a curved top and curved back with the descending rear portion making a flush joint with the back at the said jog in the back, and means for detachably securing this said descending portion of the roll to the back of the jog.

6. In stove construction, the combination of a back, an angle tie strip of metal having a vertical web lying along the top of the back and a horizontal web, and a top and shelf construction including a sheet metal member having a horizontal run resting on and secured to the said horizontal web of the angle member and which horizontal run as it nears the back gradually curves into a roll having a curved top with a descending rear portion, and bolts and nuts for removably securing the descending portion of the top of the back and the vertical web of the angle tie strip together.

In testimony whereof I affix my signature.

ALVIN G. SHERMAN.