WORLD'S JEWEL WITH OVEN.
DESCRIPTION

The "WORLD'S JEWEL" Self-Feed Base Burner.

FOR HARD COAL.

This is without exception the handsomest stove ever offered to the public, and in its construction are embodied several valuable features of our own invention, secured to us by letters patent, and not attainable in any other stove of similar pattern. We have carefully avoided any tendency to sacrifice the heating qualities of the stove to its decoration, retaining all the valuable properties which have made the modern base burner practicable and indispensable, and have produced an essentially elegant and reliable stove.

The Flue arrangement conducts the heat from the fire chamber into the base of the stove at the back, and to the exit pipe on the longest possible circuit. The extreme bottom of the stove is raised in the centre, greatly strengthening it against breaking from heat or in handling, and from its peculiar conformation compelling the heat to make the circuit of the base against the outer wall, greatly lengthening the circular flue and largely increasing the radiating surface. This construction insures an easy flue which does not require a maximum draft chimney to operate, and the base section may be readily cleaned when necessary by removing the front flue stopper.

The Fire Pot is round and of maximum size for the casing of the stove, and with the grate is fully described on the following page.

The Reservoir has much greater fuel capacity than the average low feed stove, and is so constructed that all the gases generated are returned to the fire through flues at the top of the magazine and conducted directly to the exit pipe on the longest possible circuit. The lower section and the magazine entire is round, in which the descending coal cannot become clogged, and the feeder projects directly into the centre of the fire chamber, securing an equal distribution of coal throughout the fire pot, and a consequent perfect combustion, and the greatest possible amount of top radiation through the large mica section.

The Mica Doors close flush with the body of the stove, and the frames are divided into sections that give a pleasing effect in their variety, and reduce the size of the mica plates, lessening the cost when renewal is necessary.

The Ash Pan is unusually large, and with the projecting guards at the sides, no ashes or refuse can pass on the outside.

The Tea Kettle Attachment is partially recessed in the back, but does not extend up into the panel section and cause the stove to present an unsightly appearance from the rear.

The Cast Elbow is detachable, permitting the pipe to be carried up or directly back as desired.

The Panel Section is of Nickel, with medallion heads of pale blue art tile at the front and sides, with ventilated chamber on all sides, preventing discoloration from heat. This section is mounted with the upper and name plate ring, and may be removed bodily. All the trimmings are portable, and every portion of the nickel work is easily detached from the body of the stove—a great advantage in polishing, or for storage.

The Nickel Finish is worthy of especial mention, being remarkable for its clear whiteness, and the perfection of its polish. The nickel portions embrace the ornamental leg frame; foot rails, made of twisted brass tubing; rail brackets (self locking); dome swing cover; and entire upper section; including the name plate ring.

The Top Ornament is furnished in either a spun brass urn of graceful shape and proportions, nickel plated, with solid bronze trimmings, or a very attractive cast bronze statuette, representing school children in male or female figures as preferred.

World's Jewel, with Oven.

We are the originators and patentees of the Low Down Oven Attachment as applied to base burners, and have proven the superiority of our construction over any other arrangement. No other system of flues can secure the same even distribution of heat, and no other system can compare with the low down oven in rapidity of heat, or in forming the vessels over the griddle and oven at the same time. Excepting with a direct draft, (when it is desirable to boil quickly,) the heat passes around both base and oven, and the oven is at all times ready for use. The oven is constructed so placed that the vessels are brought very near the fire. The oven is extra large size, has nickel swing shelves over the griddle covers, and the doors are tin lined.

Three Sizes, No. 2, No. 4, No. 6. One size with Oven, No. 4.
THE patented sectional Fire Pot in the “World’s Jewel,” is a construction we have had in use in all our leading base burners for the past two seasons, and we have clearly demonstrated its value and importance where hard coal is burned, particularly in a self-feed stove. In the use of such stoves, as the fuel is reduced to ashes with a constant pressure of the column of coal from above, these ashes collect on the inner surface of the pot and continue to accumulate until a coating one or two inches thick on all sides is formed, through which no heat is radiated.

The Fire Pot consists of three annular Sections, one above the other, with flanged edges, the top ring being suspended from the casing of the stove independent of the others. The middle section rotates by means of a crank actuating a rack-and-pinion movement, throwing down any dead ashes which may cling to it, and leaving a clear fire, thus securing a large amount of side radiation, and practically increasing the heating capacity fully one size, as compared with other constructions. The grate is so made that by rotating it, all clinkers and ashes are carried to a pit in the center, and may be dropped through a slide into the ash-pan without disturbing the fire, and being operated from the outside, all escape of dust into the room is prevented. The ashes and clinkers may also be removed from the grate by means of a poker, inserting it through the opening with drop covers in front, and at the sides of the stove.

If necessary to renew the Fire Pot, or for ease in handling, the stove may be divided into two sections at the middle ring, by the removal of four outside bolts. The grate may be removed and replaced through the ash pit door.