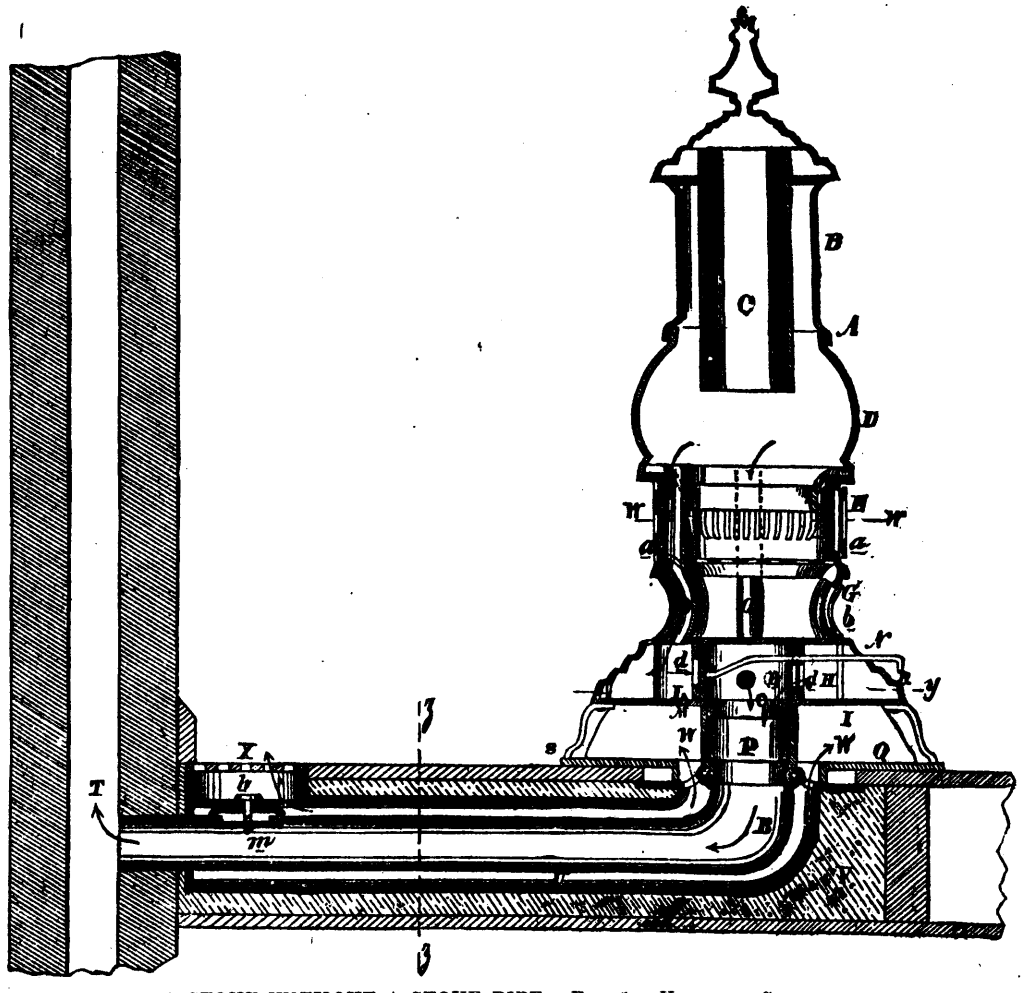
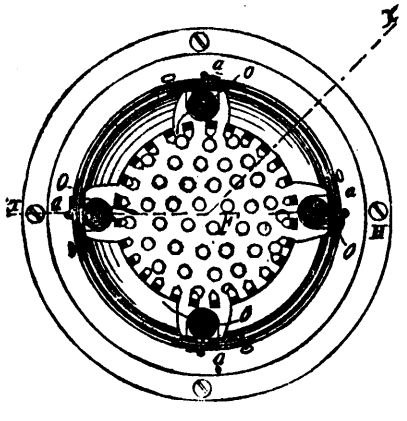


A STOVE WITHOUT A STOVE PIPE.—Fig. 1.—Vertical Section.

A STOVE WITHOUT A STOVE PIPE.

Even in the stove trade we find at intervals real novelties, and in the present instance we have one in the form of a stove without a stove pipe, and illuminated without a mica section.



A Stove Without a Stove Pipe. — Fig. 2. Horizontal Section.

The inventor of this very remarkable affair is Mr. C. Seaver, of Traer, Iowa. In its general features the stove is a base burner, with the usual magazine section. The pipe, however, is missing, but the smoke is taken away by a short collar beneath the stove, which connects with a flue under the floor leading to the chimney. Fig. 1 represents a section of this structure; G is the magazine, B the magazine section or cylinder, and D a dome of glass, upon which the upper portions rest. The grate and fire-pot are in the usual position. The construction of these portions, however, is rather peculiar. Fig. 2 gives a section of the stove on the line W W in Fig. 1. G is fire-pot having the usual door. From beneath the ash pit a flue P B M carries the smoke to the chimney. The flue is surrounded by an outside flue, U, which has registers at X and W, from which heated air may escape to the chimney T. The internal construction of the stove seems unnecessarily complicated. The important feature, it will be seen, is the glass dome and the removal of the smoke downward. The glass dome the inventor proposes to make of the so-called toughened glass, in order to obtain great strength. Common glass, though not nearly so strong, will be safer, for it is said that the toughened article is likely to be destroyed by what may be called spontaneous breakage, cracking into small pieces without warning. Strange as the idea of a glass section may seem, it is well worth consideration. The downward draft will not be easily accomplished, and is likely to cause more annoyance than rejoicing, in spite of the fact that the inventor hopes to do away entirely with use of stove pipe.

We can see no reason why glass in large pieces should not take the place of mica for the illumination of stoves of the better grades, and our objections to this stove are not based upon this feature. It would be a matter of some curiosity to see how this stove would work in an ordinary chimney.—*Manufacturer and Builder.*