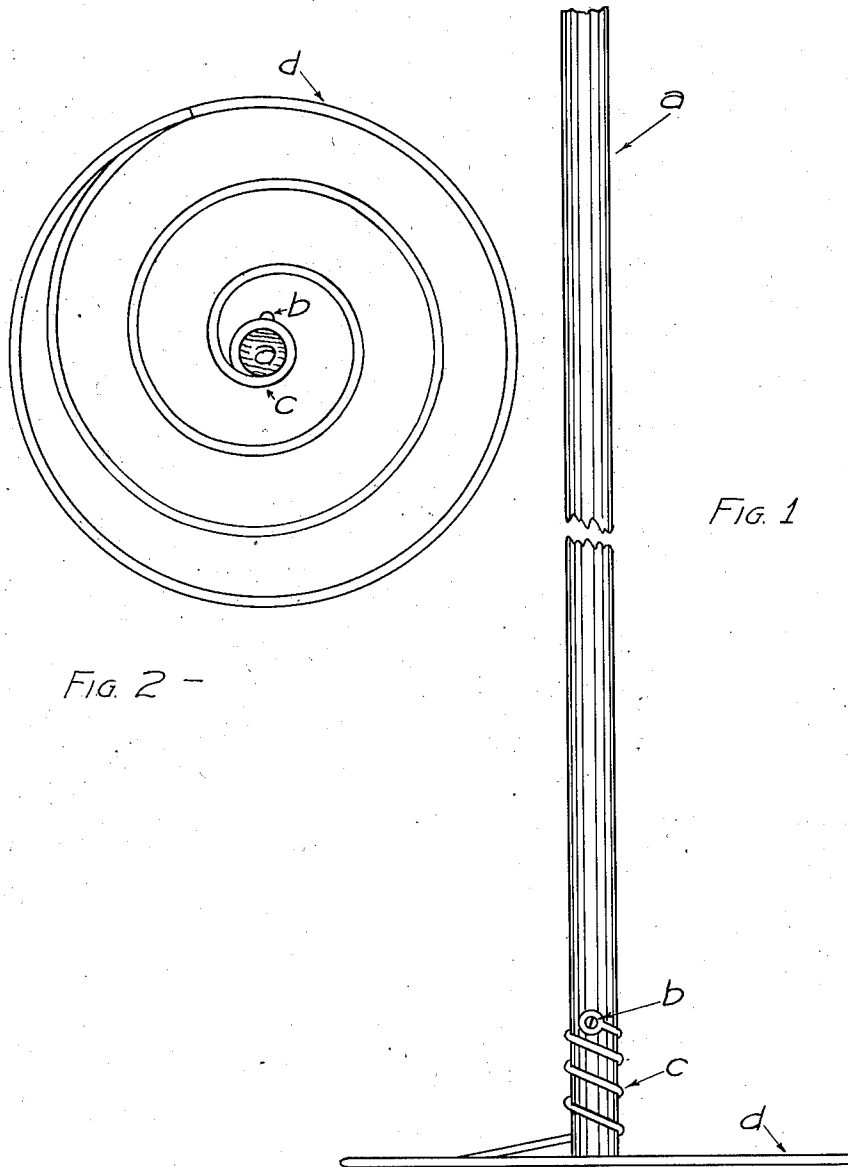


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STOVEPIPE AND CHIMNEY SCRAPER

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INVENTOR:

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## UNITED STATES PATENT OFFICE

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## STOVEPIPE AND CHIMNEY SCRAPER

William Alexander Thompson, Walkerton,  
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2 Claims. (Cl. 15—242)

The invention relates to a stove pipe, furnace pipe and chimney scraper, by which stove pipes, when taken down, or sometimes while erected, and chimneys may be scraped and cleared thoroughly of soot, scale and ashes, and has for its object the quick, easy and thorough cleaning of the inside of stove pipes, furnace pipes and chimneys and the removal of all soot, ashes and scale therefrom, without injury to the pipes or chimneys. It is constructed from flexible spring steel wire or other resilient material and coiled in a spiral shape and automatically exerting an outward pressure on the inside of the stove or furnace pipe, or chimney when in operation, as hereinafter set forth.

In the drawing;

Fig. 1 shows a detailed view of the scraper on a wooden handle.

Fig. 2 shows an end view of the scraper.

Like characters of reference refer to like parts throughout the specification and drawing.

It consists of a resilient flexible spring coil (*d*) attached to a long wooden handle (*a*) by means of a small coil (*c*) that encircles the handle and is fastened by a removable screw (*b*). The large coil (*d*) will adjust itself to the inside of the pipe when shoved through and pulled back through the pipe. This loosens the soot, ashes and scale that accumulate and stick to the pipe so that it may be shaken or pulled out. In this way the pipe is thoroughly cleaned. Unless the inside of the pipe or chimney is scraped, the hardened substance is left in the pipe or chimney, and this causes further corrosion with soot and condensed smoke, especially where wood is used as fuel, which prevents draught and becomes inflammable, causing many stove pipe and chimney fires. By using the scraper herein described, pipes and chimneys are properly cleaned without the pipes being beaten or jarred, and the cause of many fires removed. Moreover, proper cleaning preserves the life of the pipes and effects an economy in fuel.

It is difficult to clean properly a chimney without a suitable device to loosen the accumulation on the inside. My invention will serve this purpose.

The scraper (*d*) is so constructed that it will adjust itself to the pipe or chimney in any position in shoving it through or drawing it back, and at the same time exerts an outward pressure on the inside of the pipe or chimney. It may be drawn through the elbows of furnace or stove pipes without entirely removing them. It is especially useful and practicable when attached to a wooden handle of suitable length, for scraping the insides of pipes when taken down, for the purpose of cleaning.

I claim:

1. A stove pipe and chimney scraper comprising a spring wire coiled in spiral form, the convolutions of the wire being in a common plane, the outer end of the wire being bent inwardly toward the adjacent convolution to form a substantially circular periphery, a handle disposed at right angles to the plane of the coil at the center thereof, the inner end of the wire being secured to the handle, and that portion of the coil between the handle and the outer convolution being unrestricted and free to bend.

2. A stove pipe and chimney scraper comprising a spring wire coiled in spiral form, the convolutions of the wire being in a common plane, the outer end of the wire being bent inwardly toward the adjacent convolution to form a substantially circular periphery, a handle disposed at right angles to the plane of the coil at the center thereof, the inner end of the wire being wound around the handle and the end of the wire being fastened thereto and that portion of the coil between the handle and the outer convolution being unrestricted and free to bend.

WILLIAM ALEXANDER THOMPSON.