

*J. Goldsborough, Assr etc.,
Combined Cutter and Scraper for Stamp Cancelling Machines.*

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PATENTED JUN 27 1871

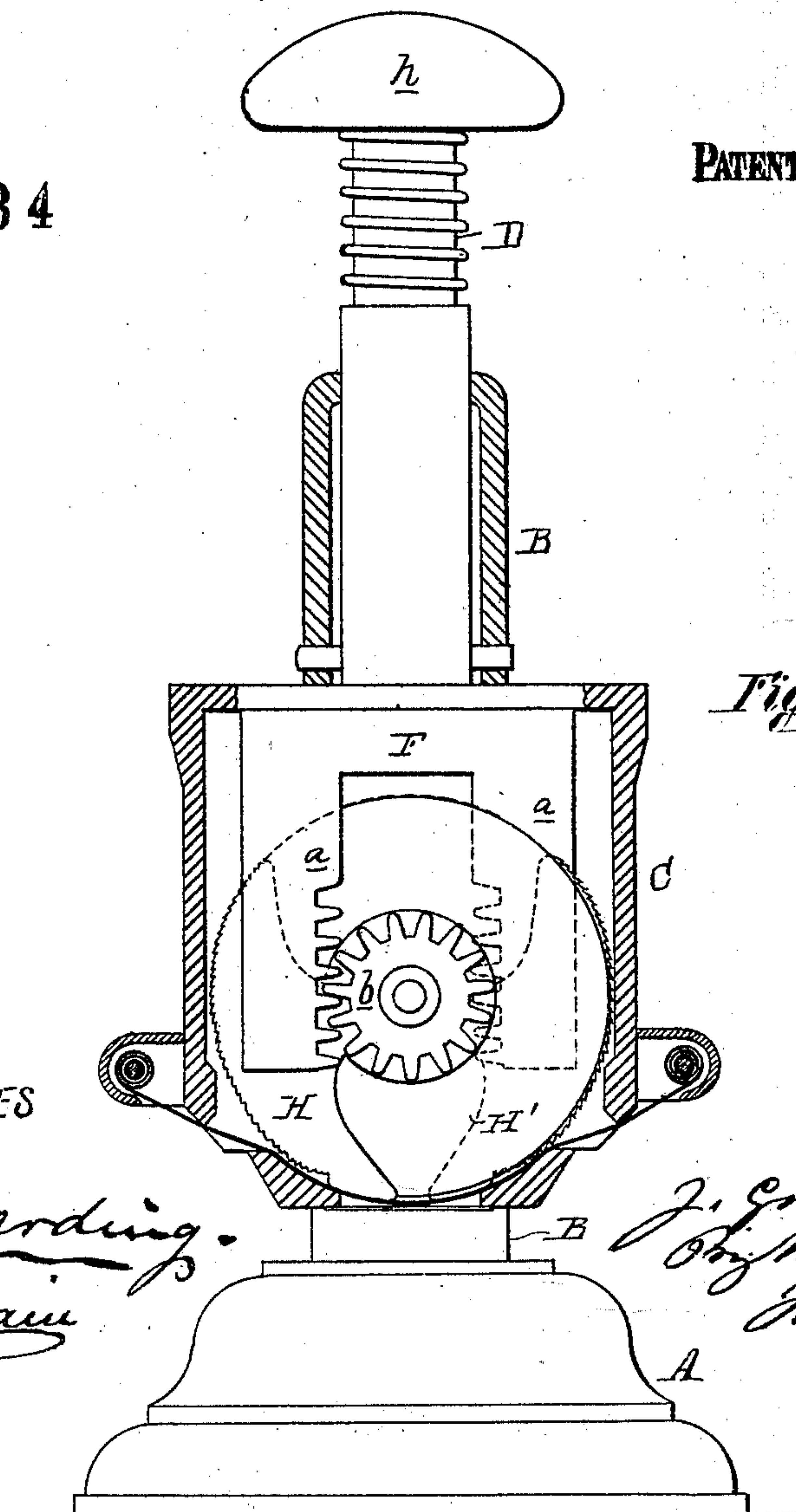


Fig. 1.

WITNESSES

*Jos. B. Harding.
Thomas McAlvain*

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By his Atty
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Fig. 2.

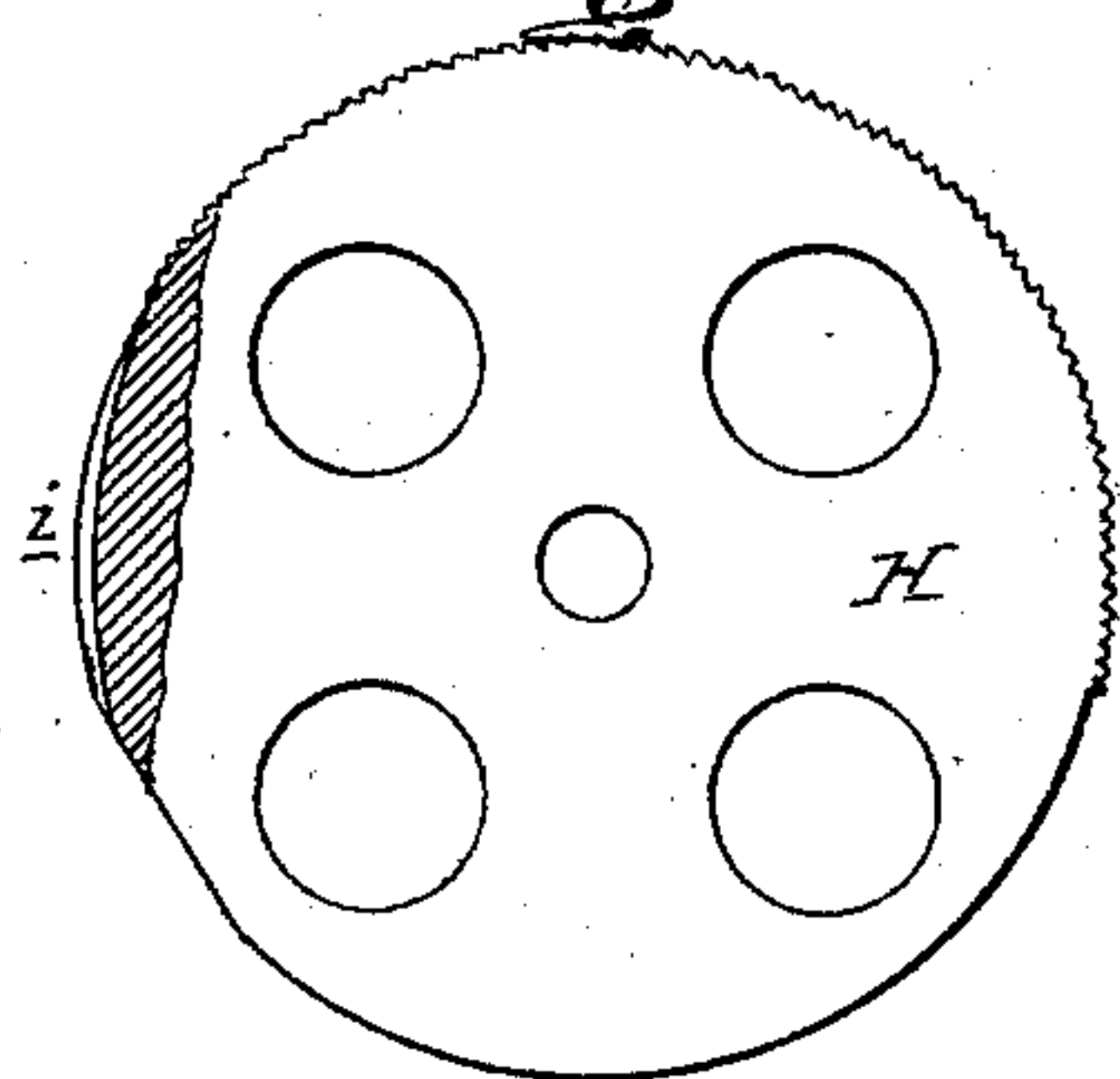


Fig. 4.

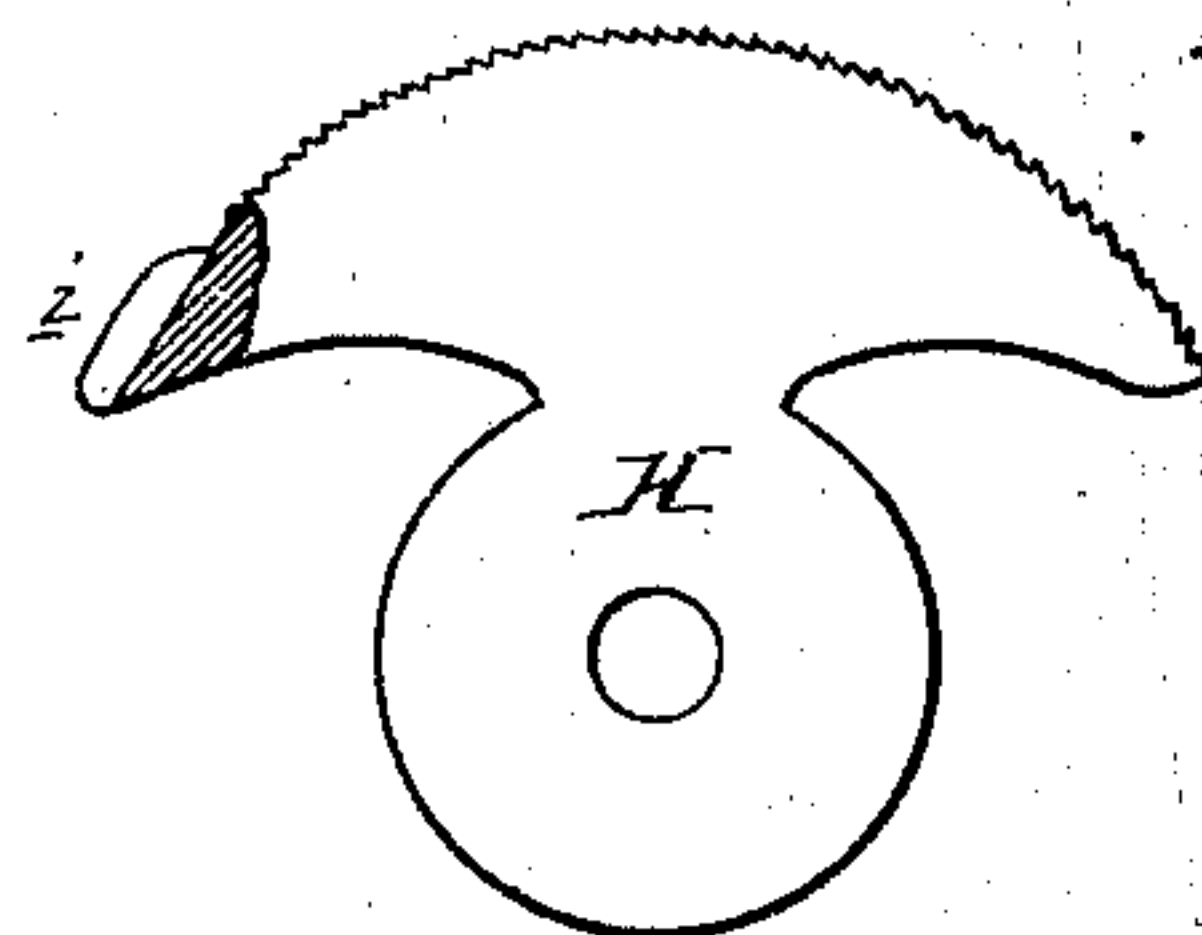
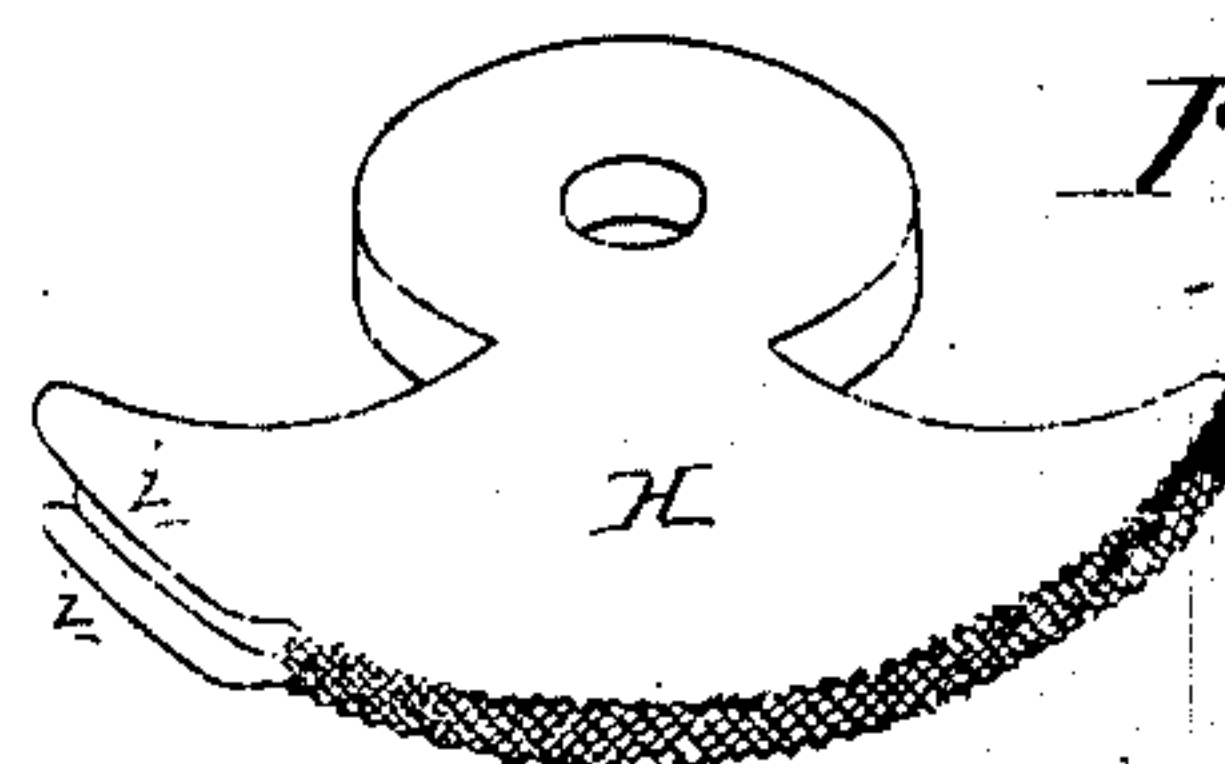


Fig. 3.



Fig. 5.



UNITED STATES PATENT OFFICE.

JOHN GOLDSBOROUGH, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN STAMP-CANCELERS.

Specification forming part of Letters Patent No. 116,434, dated June 27, 1871.

To all whom it may concern:

Be it known that I, JOHN GOLDSBOROUGH, of Philadelphia, county of Philadelphia, State of Pennsylvania, have invented a Combined Cutter and Scraper for Stamp-Canceling Machines, of which the following is a specification:

My invention consists in the combination of certain cutting-blades with the scraping-wheels or segments of a stamp-canceling machine, the said blades first cutting two parallel lines on the face of the stamp, and the serrated or toothed scraper following immediately after and removing or obliterating that portion of the face of the stamp situated between the parallel cuts, all of which is fully described hereafter.

Figure 1 is a vertical section of a stamp-canceling machine to which my invention is applied; Fig. 2, a side view of a combined cutting and scraping wheel; Fig. 3, an edge view of the same; and Figs. 4 and 5, side and perspective views of a segmental cutter and scraper.

The machine illustrated in Fig. 1 is similar to that for which Letters Patent were granted to me on the 20th day of December, A. D. 1870; and consists mainly of a base, A, curved arm B, case C suspended from the end of the said arm, and arranged to have a sliding motion imparted to it toward and from the bed A, and a plunger, D, sliding through the upper tubular portion of the case C, and terminating at its lower end within the latter in a yoke, F, having racks *a a*, which gear into two pinions, *b b*, the latter being hung loosely to their spindle, and having attached to them the scraping-wheels or segments H and H', which are arranged to be turned simultaneously and in opposite directions by the toothed racks *a a* through the medium of the pinions. Ordinary printing-wheels, (not shown in the drawing,) on which are the names and dates of the days, months, &c., or other devices which it is desired to impress upon the stamps, are also arranged within the case C.

In operating the machine, the stamp to be

anceled is placed upon the bed A directly beneath the case C, and the latter is depressed by a smart blow upon the handle *h* at the upper end of the plunger D. Simultaneously with the striking, printing, and holding of the stamp by the case C, the scrapers H and H' are, by a continued downward movement of the plunger, caused to traverse across and rasp away a portion of the face of the stamp, thus completely obliterating the same at two points.

I have found in practice that these scrapers, especially if the stamp has been freshly affixed to the envelope or other paper, and is still damp, are apt to tear away a portion of or otherwise disfigure the stamp instead of simply rasping the surface of the same—an objection which I have fully overcome by combining two cutting-blades, *i i*, with each scraping-wheel or segment, as shown in Figs. 2, 3, 4, and 5. These cutters are formed on the opposite edges of the wheel or segment in advance of the scraper, and, in the operation of the machine, first cut two parallel lines on the face of the stamp, so that the scraper, which follows immediately after, may only remove or obliterate that portion of the face of the stamp which is situated between the parallel cuts. The blades, in other words, act as scorers and mark out that portion of the face of the stamp which is to be acted on by the scrapers, and thus prevent the latter from tearing away an irregular portion of the said stamp.

I claim—

A combined cutter and scraper for stamp-canceling machines, consisting of a wheel or plate having at the edge serrations and cutting projections *i*, as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN GOLDSBOROUGH.

Witnesses:

A. H. NORRIS,
EDM. F. BROWN.