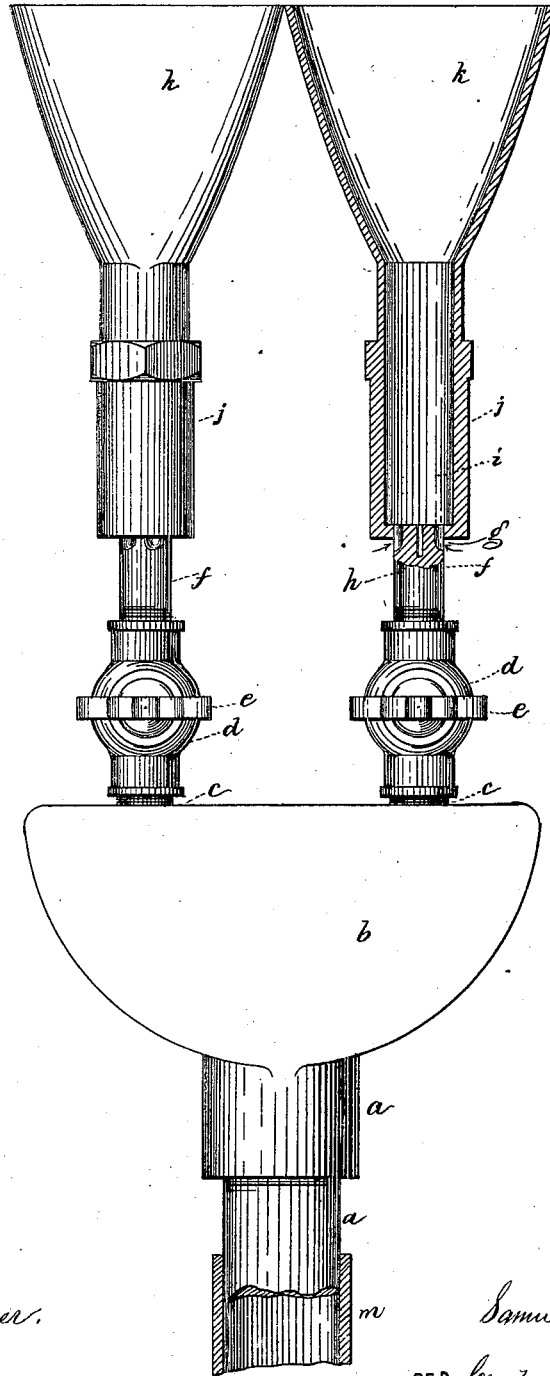


S. G. REED.

Gas-Burner for Removing Paint.

No. 164,213.

Patented June 8, 1875.



WITNESSES.
L. H. Cratimer.
Wm. Pratt.

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UNITED STATES PATENT OFFICE.

SAMUEL G. REED, OF WELLESLEY, MASSACHUSETTS.

IMPROVEMENT IN GAS-BURNERS FOR REMOVING PAINT.

Specification forming part of Letters Patent No. 164,213, dated June 8, 1875; application filed April 14, 1875.

To all whom it may concern:

Be it known that I, SAMUEL G. REED, of Wellesley, in the county of Norfolk and State of Massachusetts, have invented an Improved Gas-Burner for Removing Paint, of which the following is a specification:

This invention relates to an improvement in gas-burners specially adapted to burn or remove paint from cars, buildings, or wherever it is desired to remove paint.

Heretofore paint has been burned off by means of burners throwing out a substantially round flame, and used singly or placed at some distance apart, so much so that portions of the surface from which paint was to be removed, and between the burners was not sufficiently hot to cause the paint to burn or scale off readily, and the burners had to be moved over and over the car or other painted article, and the flame coming, subsequently, in attempting to burn the paint left unburned, between the rows of flame against portions of wood with paint sufficiently burned off, has been found to be injurious to the wood.

The object of this invention is to provide a continuous flat sheet of flame which can be applied evenly to the surface from which the paint is to be removed; and the invention consists in one or more flat-mouthed burners arranged side by side, and so as to cause the flames to meet, forming a single wide flame. The drawing shows my improved gas-burner

in side elevation, and with one of the burners in section. The gas is led from a suitable supplying-source through a pipe, *a*, into chamber *b*, on which are screw-threaded projections *c* adapted to receive the ends of the threaded cocks *d*, having keys *e*, and leading from which are pipes or plugs *f* having air-passages *g*, and a central gas-passage, *h*, all the passages debouching into a chamber, *i*, of the burner-tube *j* having the flattened end *k*. These ends *k* are placed substantially in contact with each other with their flattened openings in line, or so as to afford a broad continuous sheet of flame. This burner will be connected at or with a pipe, *m*, of india-rubber, shown in dotted lines, so that the burner may be readily moved by hand over the painted surface.

I claim—

The combination, with the chamber *b*, of two or more burners having flattened mouths *k* arranged together, and in line to produce a broad sheet of flame, substantially as and for the purpose set forth.

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

SAMUEL G. REED.

Witnesses:

G. W. GREGORY,
S. B. KIDDER.