

**A NEW SACHEL DESK.**

This is a unique and novel portfolio, stationery repository, and "grip sack" combined; a sort of portable office and wardrobe, which comes nearer meeting the actual wants and comforts of persons whose vocations or inclinations call them away from home than anything of a similar nature that has come under our notice.

The patent combines a valise and desk; each independent

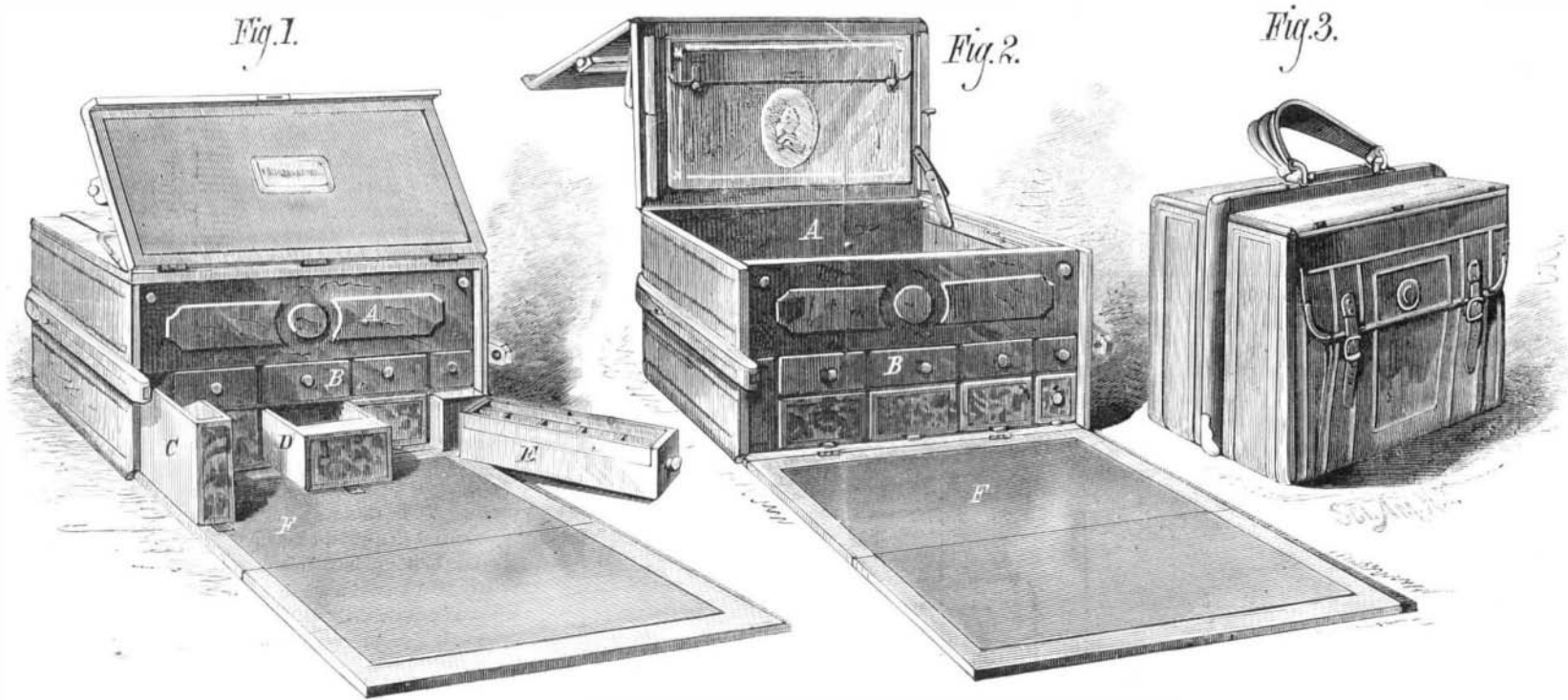
in case of fire it can be carried out without the least trouble or damage, thus making the satchel desk a more secure place for valuables than a bureau, strong box, or even a safe under certain circumstances.

The inventor informs us that the patent covers an endless variety of interior arrangements, so that by suitably altering the stationery portion of the satchel desk, or sub-dividing the clothing compartment, the device can readily be changed

**STICKY FLY PAPER.**—Boiled linseed oil and resin; melt and add honey. Soak the paper in a strong solution of alum and then dry before applying the above.

**MOULDING, CARVING, PANELING, AND DOVETAILING MACHINE.**

We present herewith an engraving of one of the most useful of recent machines for woodworking. It is capable



THE KAPLAN SACHEL DESK.

of the other. Its exterior size, appearance, and finish are that of the ordinary sixteen inch satchel, weighs but little if any more, and locks with a spring.

The case is opened by placing it sidewise on a level surface, with the pocket side, A, uppermost, and unfastening the little catch attached to the movable side, then the lock knobs on the cover are pressed toward each other, releasing the top, which may be swung upward against the pocket side. The writing tablet, F, may then be turned down, and the device is ready for use.

When open it displays a drawer, B, of sufficient size to contain legal cap paper without folding, an envelope and card case, C, an inkstand drawer, E, a pen and stationery tray, two pigeon-holes for files and correspondence, a drawer in the middle for sundries, and a folding tablet, F, covered with velvet or desk cloth on one side and with silicate for pencil memoranda on the other. The valise pocket is opened by pressing the knobs of the catch and then raising the lid, which reveals the clothing compartment, A, and the collar portfolio attached to the under side of the cover. This valise pocket contains a space equal to if not larger than one side of the ordinary 16 inch satchel. It occupies one half the capacity of the satchel desk.

Persons who wish to write while "on the road," or while stopping at pleasure resorts, or while camping out or visiting, will find the satchel desk, duly equipped, a convenience of no mean nature. It seems to be just the thing for a large class of travelers, tourists, and pleasure seekers abroad or at watering places.

The necessity of borrowing writing materials or putting up with inferior ones will be dispensed with, order and system in correspondence can be maintained, and the conveniences incidental to writing at one's own desk at home may be enjoyed at any place or under almost any circumstances.

For domestic use as a lady's secretary, this "satchel desk" should become popular, inasmuch as it costs less than an ordinary desk, takes up no appreciable amount of space in a room, and can be easily carried to any part of the house. It may also be made the receptacle for jewelry and other valuables, because its compactness permits it being stored away in any safe corner or hiding place where burglars could not reach it without being discovered, and

into a sample case for groceries, liquors, drugs, jewelry, etc. The satchel desk is made in a handsome style. Its body or interior casing is constructed of dark and white woods, handsomely veneered and mounted, drawers lined, and due precautions taken against warping or splitting by means of cross paneling. The exterior of the desk is covered with imitation leather, cloth, or real leather, according to taste of the purchaser.

For further information see advertisement on last page of this number, or address the patentee, Mr. A. O. Kaplan, No. 24 West 4th street, Cincinnati, Ohio.

of performing a great variety of work, such as the shaping and edge moulding usually done on shapers; surface paneling, or ornamentation of almost any design or size; moulding scroll or bracket work; and dovetailing on any thickness, from a cigar box corner to an inch and a half plank. In fact almost all the ornamentation formerly done on wood by hand can readily be done on this machine at a cost but very little greater than plain work; giving a richly ornamented surface at slight cost.

In its construction it is very simple and substantial, and is just as complete and well adapted to any of the various kinds of work it is capable of doing as though made for one variety of work only. It is easily understood and operated by any good mechanic.

The spindle, D, which carries the cutter at the upper end, is arranged to be raised and lowered by the pressure of the foot on pedal, F, and this motion is regulated by the adjusting screw and hand wheel, H. The cutter projects through the table from below, and penetrates the lumber like an auger, and cuts when revolving in either direction. Above, and in same axial line with the cutter,

the guide and pressure plate is supported by the bracket, K, and adjusted to the required height by the hand screw, N.

Reverse motion is given to the spindle by shifting belts on countershaft, or by the use of friction pulleys, either of which is furnished with the machine.

Some of the cutters used with this machine are shown in Figs. 2, 3, and 4. Fig. 2 shows a surface cutter for cutting panels on the surface of lumber. Fig. 3 shows a cutter made from solid steel, and used for moulding the edges of plain or irregular work. Fig. 4 is used for moulding the openings of scroll or bracket work.

This machine is now so well and favorably known as to need no special commendation from us. We are informed that it is not only used in all parts of this country, but that it has also found its way into every quarter of the globe, being at present used in Canada, Australia, Chili, Peru, Brazil, Denmark, Sweden, Russia, Germany, Switzerland, Cuba, Jamaica, England, Scotland, India, China, Japan, in Asia, and in Africa.

Manufactured only by the Battle Creek Machinery Co., of Battle Creek, Mich., U.S.A.

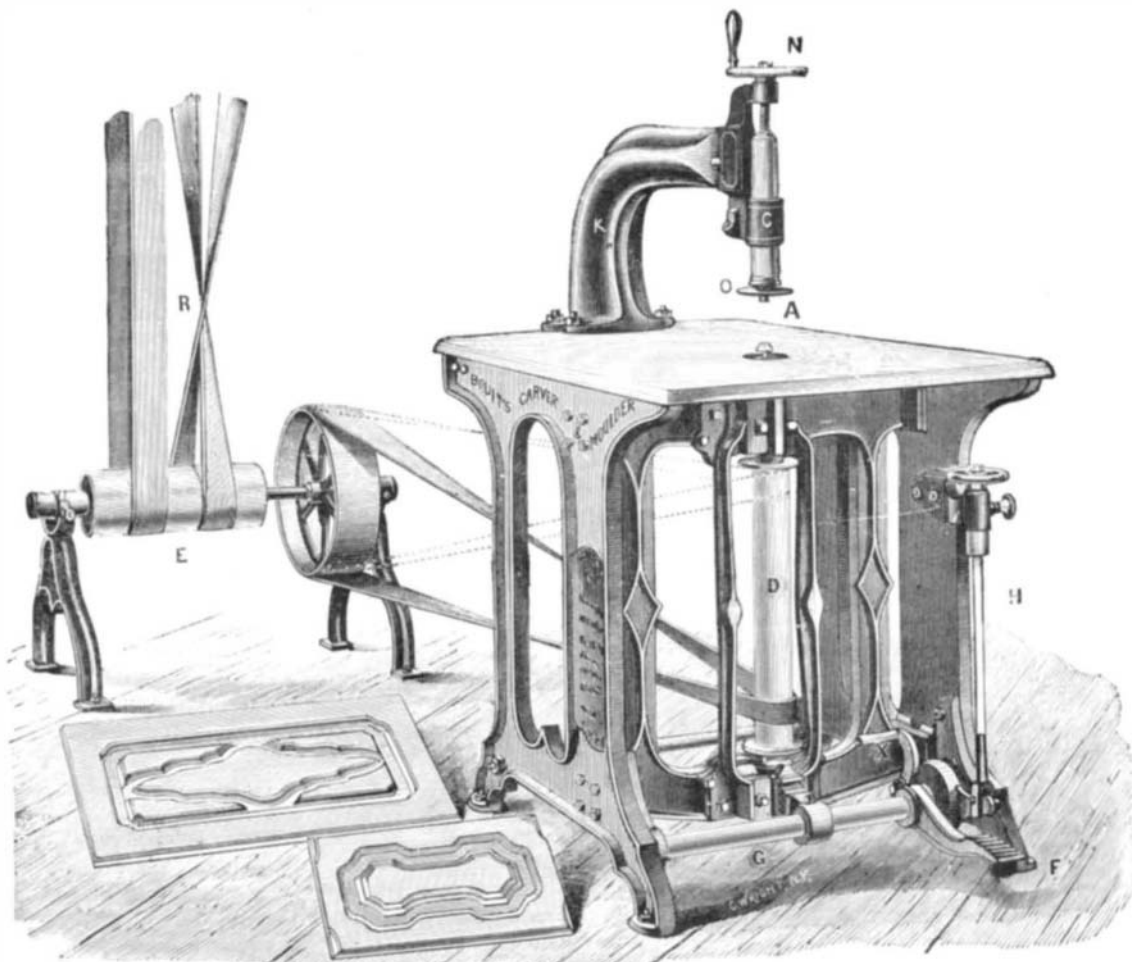
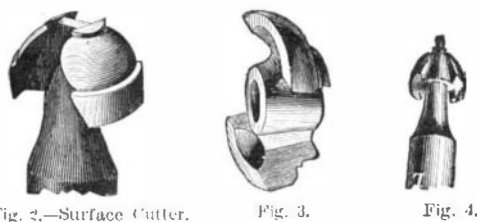


Fig. 1.—BOULTON'S MOULDING, CARVING, AND PANELING MACHINE.