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1. Incising 2. Carving

Incising is a process suited to soft clay. The smoothest edges can be obtained when the modeling toal is present the damp clay. When the tool is drawn along the such such that is raised along the cut. Each tool, whether it be a madeshift or manufactured one, imparts a different character to the decorative pattern, is thoroughly individual in its treatment.

Incising is best suited to a design which is edapted to line drawing. A light wher rather than a pencil is adviseln for the application of the design. A tool made of a wheel running on the end of a static is very good for straight lines and also makes graceful ourves. Lines are of a more even width and ourves are praceful ourves. Lines are of a more even width and ourves are board is one dumbard tag is used. This use of a piece of card-board is one dumbard tag is used. This use of a piece of card-which to imprint a design. Modellook tools give an excellent effect.

In carwing the contrast of light and dark is developed. This contrast is obtained through placing a low side not to a high one, It is easier to carwe on dry clay. It is also preferable to use a tool having a square sharp edge, Various acres of eight or a nearly dry sponge will smooth down the roughness on the surface.

Much of the primitive pottery employed crosshatched backgrounds in order to gain the desired balance of light and dark. This means of obtaining well distributed values can be used equally well in either carving or incising.

For these methods a transparent or slightly opaque glaze with a small amount of coloring oxide is very effective, as the color settles in the grooves and intensifies their interest.

3. Slip painting 4. Scraffito

Printitve and other early pottery illustrate ally painting as an effective mode of decoration. Some of the finest work in slip painting was done on stoneware, Although the lines are quite free, it is not an easy process to use because of the spontaneity needed for successful patterning.

The slip should be mixed stiffly, a little less thick than whitped cream, and a brushful used for each stroke. Strokes should never be retouched, then it is desired that the background color should show through a long haired brush is preferter, Early methods used a slip pipe or pipette in applying the slip to the ware. A pastry tub does it in the same sanner. These tools obtain a finer line than does a brush, but brush work has a strongly individual charm, One has to bear in mind work has extendly individual charm, one has to bear in mind to this without attempting the fine lines possible to mater.

A costing of about 1/16° of one clay over another color allows an interesting tothuluse. Fattern is made by carefung through the upper clay surface. The burn or rough edges of this control of the control of the control of the control thims bor by cheesealth when the piece is dry. This method, called scraffite, is comparatively simple. With one color a polybrhore pattern may be developed, a color and each thin, a polybrhore pattern may be developed.

The combination of slip painting with scraffito can become very rich in color and pattern.

Inlaying is closely allied to scraffite in its handling. In this treatment thin strips of colored clays are pressed into the surface of the ware. They should be applied in the condition where welding is successful, and then the surface should be cleaned gently, leaving the pattern clear.

In any treatment involving several colors in one process one may obtain with clay a very fine but very soft effect of color. Clay colors are quiet in range but not necessarily

- 5. Sprig molding
- 6. Crayon
- 7. Flattened coils 8. Pricked surface
- 5. Sprigs may be made by molds or modeled by hand and pressed on to the piece. There must be no difference between the two kinds of clay as to shrinkage, because if this is the case the sprig often comes off or enacks away from the piece. In applying the sprig, alip made from the same clay as the body is painted on the sprig. This sameness of sprig and

the body is painted on the sprig. This sameness of sprig and background is necessary to keep the body from being stained with color from the sprig. As in building, the body should be of the right consistency for welding.

- Crayon may be commercial or handmade. They consist of an underglaze color with a binder of clay and are burned finally at the temperature of the body.
- 7. Plattened coil treatment is done by laying in a pattern of coils of lay on the unrace of the place to be decorated. When the pattern is all indicated, a piece of paper is laid coils to the piece and gives them an interesting first numrace. Colored clays in combination make for as much interest ms face polyphrome slip.
- 8. Fricking a surface with broomstraws tied together, or with a group of small wires, makes a surface which, to be effective, should be done with feeling. The clay should be of the surface on the best of the surface of the idea of the surface on then be cleaned with a scraper, leaving the color in the little indentations. The effect when glazed is very delicate,

9. Underglaze Painting 10. Overglaze Painting

11. Glaze painting over glaze

In applying decoration such as underglase painting the painting is done with cernic tains on bisoutied ware. The glass is applied after firing. In so-called matching lower control of the painting is a supplied after firing. In so-called matching lower control of the painting of the painting of the ware. For the latter 26d colorloss glass is mixed with the underglase stain so that when the piece is glassed the color will hold and not rub off damp, because when the glass of the painting should be done to be a supplied to such an extent that the glass piles up in a rough surface, to such an extent that the glass piles up in a rough surface,

Metallic oxides can be used in both processes if their peculiarities are considered, but the prepared are more uniformly fine and more successful results can be obtained. Mistakes can be quite easily corrected by scraping the surface of the glaze or clay.

Underglaze colors may also be used in a form of sponge printing in which stamps made of sponge, or pads cut in various shapes, are used to print the color on the piece.

Glazes may be painted over other glazes in the free brush method if the fact is taken into account that a too fluid glaze, either coating the ware or used for the painting, will cause the pattern to run. A viscous glaze on the body will be more successful in gaining a clear pattern.

.188) Ala0a 1.000(810a 5.14

The next thing is to find the formula weight:

The calculation may now proceed:

Red Lead Red Clay Feldspar	36 26 20	divided	by	288 532 556	=	.158 .049 .036
Flint	18	13		60	=	.300

Assembling the oxides is rather more complicated than ocfore because of the red clav:

.044) Feg 03 Divide through by the RO value

.014

The milica proves to be rather high but it maybe that the composition assumed for the clay is more silicious than the actual. The water in the clay only affects the weight. It does not appear in the formula of the glaze.

	Process	For	For	Industrial	Glaze
			industrial	method	
1.	Incising				
				Incising of hump	Transparent with little color
2.	Carving	*	*	Carving of hump	Thin glaze
3.	Slip painting	*	٠	Painting on mold	Thin glaze, transparent or slightly
4.	Scraffito	*		Incise hump, fill incision on piece with other clay,	As in #3
1	Sprig molding			clean surface	
٥.	oh.18 molding	•	*	Press decora- tive unit in separate mold and apply to plastic ware	of
6.	Crayon	*	*	Individually drawn or, for duplication, lithographed	Transparent
7.	Flattened coils	*	No		Thin glaze, transparent or slightly opaque
8.	Pricked surface	*	No		Transparent
9.	Underglaze painti	ng *	*	Etched plate	Thin glaze, transparent or slightly opaque
10.	Overglaze paintin	ß *	*	Decalcomania	Any opaque glaze
11.	Glaze over glaze		No		Opaque, rich glaze