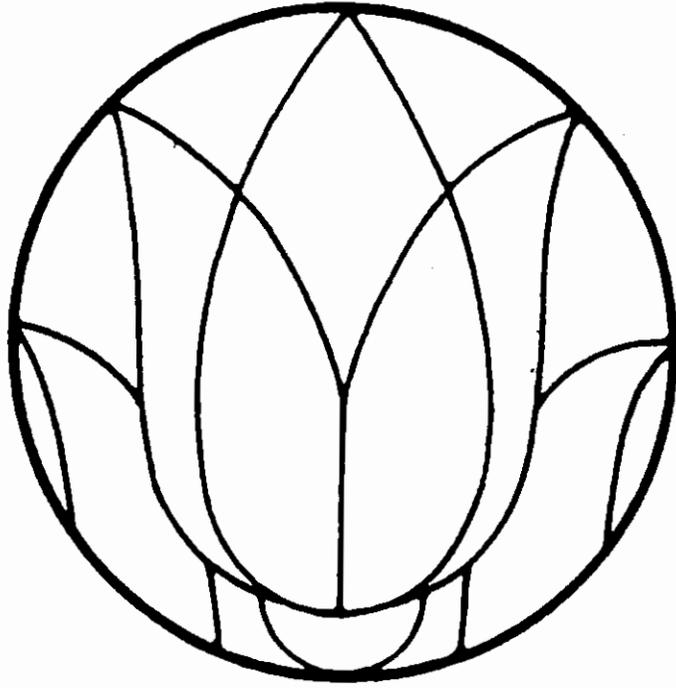


فن
الرسم والتلوين
على الزجاج

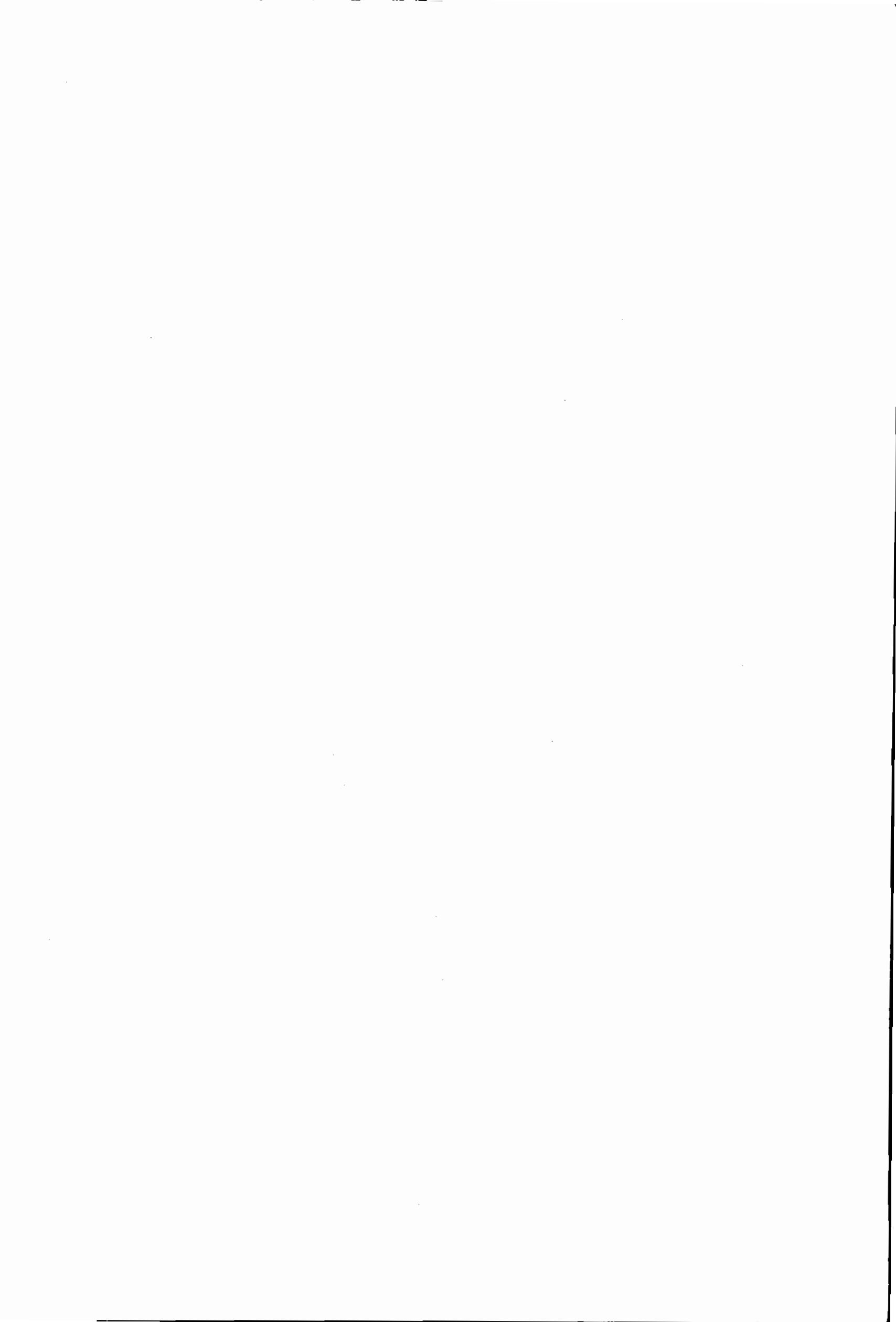


اعداد

حامي خليفة

دار الراوي للنشر والتوزيع

هاتف: ٨١٧٢٤٩٧ فاكس: ٨١٧٢٤٦٩ ص. ب. : ١١٨٩ الدمام ٣١٤٣١



مقدمة

فن الرسم على الزجاج ، والزجاج المعشق بالرصا ص ، من الفنون الجميلة العريقة الممتدة جذورها عبر قرون عديدة مضت ، حيث كانت القصور والمعابد والكنائس تقاس عظمتها وفخامتها بما تحويه جدرانها ونوافذها وأقبيتها من إبداعات هذا الفن الراقى ، فضلاً على أن التشكيلات الرائعة من الرسومات والألوان المرسومة على زجاج نوافذ وأقبية معظم دور العبادة والكنائس والتي أبدعها كبار الفنانين ، كانت وما زالت تجسد فكر الأديان وتعكس على الأماكن المقدسة لمسة من روح الصفاء ، والشفافية المنسجمة مع طبيعة المكان .

وقلما نجد فصراً لحاكم أو أمير أو منزل لثرى فى العصور الوسطى يخلو من هذا الفن . . . حيث كان هذا الفن قاصراً على هذه الطبقة نظراً لارتفاع أسعار الخامات المستخدمة وغلو تكلفتها الفنية . . .

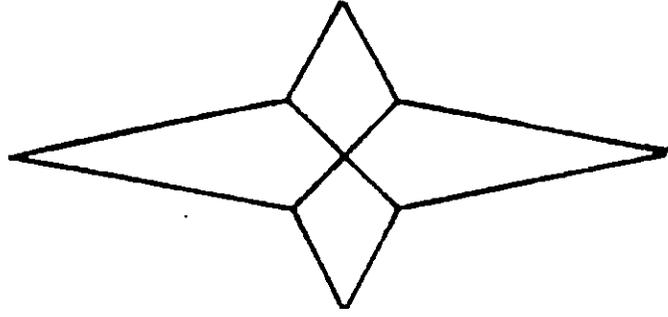
أما اليوم فقد أصبح فن الرسم والتلوين على الزجاج فى متناول المواطن العادى نتيجة للتقدم العلمى والتكنولوجى خاصة فى مجال تصنيع الزجاج والألوان الصناعية ، مما أدى بدوره إلى رخص الخامات المستخدمة ، حيث أصبح من السهل اليسير تزوين معظم بيوتنا ومكاتبنا بالزجاج الملون بتكلفة بسيطة لا تقارن بما يضيفه على المكان من جو جميل مثير للخيال مريح للنفس والروح .

ومن هذا المنطلق وحرصاً منا على نشر هذا الفن البديع وإدراكنا لمدى حاجة محبيه - لمزيد من التصميمات خاصة الحديث منها الذى لا يخلو من عبق القديم ، فقد قمنا بتجميع هذا الكم الهائل من التصميمات المتنوعة والتي تشمل مختلف الأنواع وترضى كافة الأذواق وتناسب مع كل المساحات وقدمناها لك عزيزى الفنان فى هذا الكتاب واضعين نصب أعيننا أن تصل إلى يديك بأقل سعر ممكن .

كما أننا لم ننسى الأصدقاء المبتدئين فى هذا الفن أو من لديهم الرغبة فى ممارسته كهواية ، فخصصنا لهم جزءاً نشرح لهم فيه بصورة مبسطة وواضحة خطوات الرسم والتلوين على الزجاج والأدوات والألوان المستعملة نرجو أن نكرن قد وفقنا فى تقديم كتاب يحتاجه كل فنان يهوى هذا الفن الرائع .

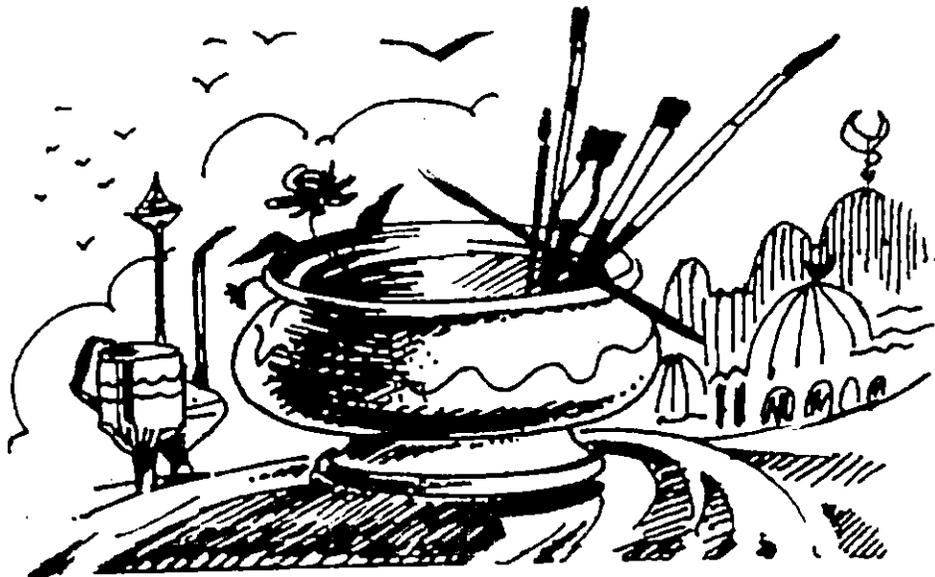
والله الموفق





أولاً : الأدوات والخامات المطلوبة للاستخدام.

- (١) عبوات مختلفة الألوان من ألوان الرسم على الزجاج والتي تباع في مكتبات ومحلات بيع الأدوات والألوان الخاصة بالفنانين وطلبة كلية الفنون .
- (٢) أنابيب مختلفة الألوان (أسود- أزرق- فضي- ذهبي) وهي أنابيب مخصصة للرسم على الزجاج وتباع أيضاً في نفس المكتبات واسمها Popue .
- (٣) ورق كلك .
- (٤) علبة ألوان فلومستر .
- (٥) قلم رصاص - مسطرة .
- (٦) مذيب للدهون (بنزين - أو كحول - أو تتر) .
- (٧) كيس قطن طبي .
- (٨) الزجاج (المطلوب الرسم والتلوين عليه) .
- (٩) تراييزة أفقية أكبر في المساحة من الزجاج المطلوب الرسم عليه .
- (١٠) سلوتيب - (بكرة لزق أبيض) .

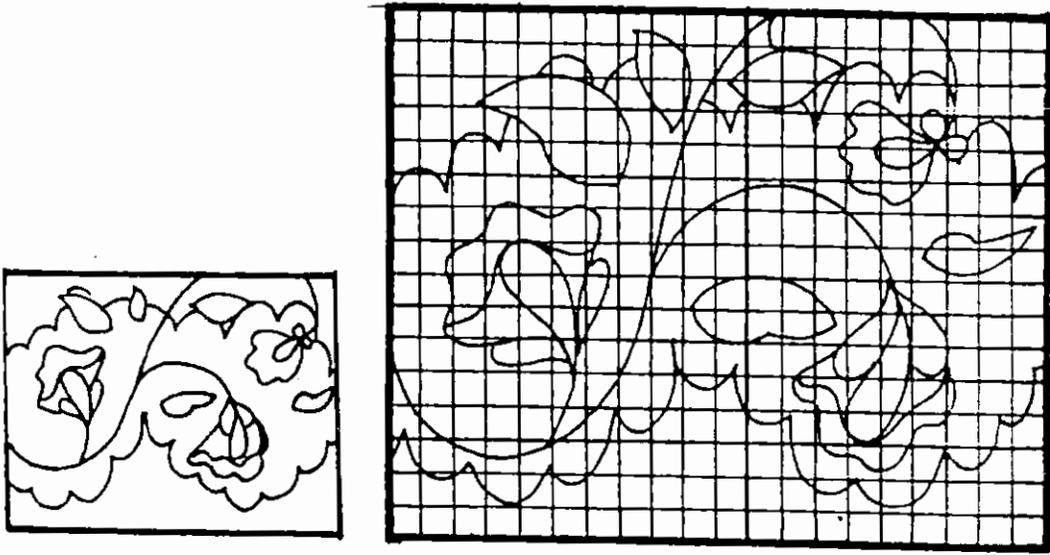


ثانياً : طريقة العمل .

(١) يرفع مقاس (طول x عرض) المساحة المراد الرسم عليها أو أى مقاسات أخرى سواء كان دائري أو يضاوى أو مثلثة .

(٢) نسقط المقاس المطلوب على ورق الكلك .

(٣) نحضر التصميم المطلوب ونكبره بطريقة المربعات إلى أن يناسب مقاس الزجاج المطلوب الرسم عليه .



(٤) نسقط التصميم المطلوب بالمقاس المضبوط على ورق الكلك ونحدد معالمه بالقلم الفلومستر الأسود على الكلك . ونقوم بتلوين جميع أجزاءه بألوان الفلومستر بملء المساحات جميعها بالألوان المطلوبة .

(٥) بعد تمام التأكد من أن التصميم المطلوب قد إنتهى تماماً على ورق الكلك - نقوم بفرد الكلك لمرسوم عليه التصميم المطلوب على التراييزة وتثبته فوقها بورق اللزق من الأطراف .

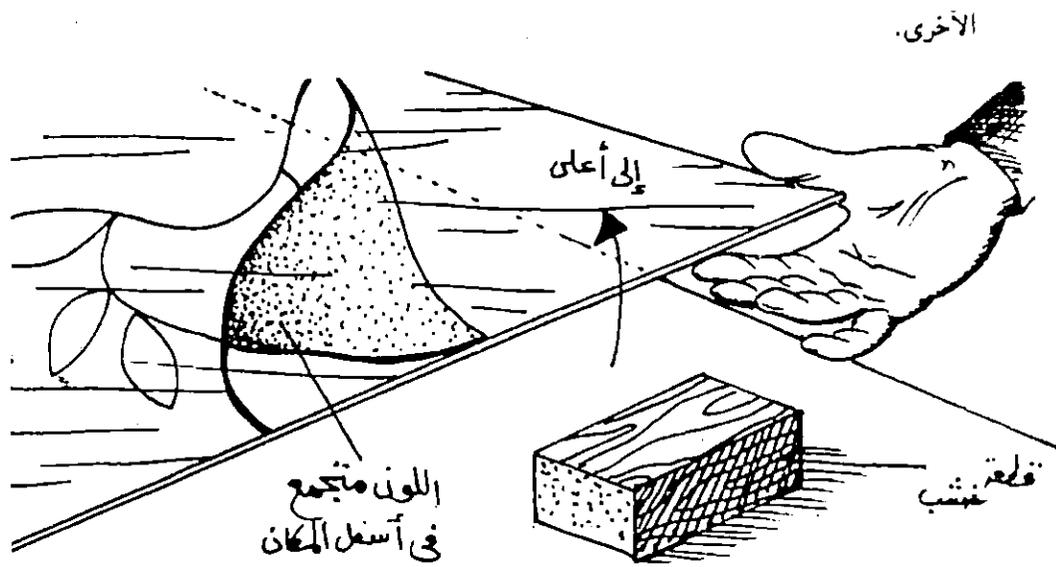
(٦) نحضر الزجاج ونضعه فوق الكلك بالوضع المطلوب تماماً .

(٧) تبلل قطعة القطن بالمذيب (كحول أو بنزين) ونقوم بتنظيف الزجاج جيداً مما يكون عالقاً به من أى دهون (عرق - قذارة - أتربة) .

(٨) بعد التأكد من نظافة الزجاج نبدأ فى (شف) جميع أجزاء التصميم بالأنبوبة المخصصة لذلك (Po- pue) وبمتهى الدقة .

(٩) بعد الانتهاء من عملية تحديد التصميم ، نتركها لتجف تماماً لمدة لا تقل عن (١٢) ساعة .
 (١٠) بعد تمام جفاف خطوط تحديد الأجزاء نبدأ في تلوين الأجزاء المختلفة من التصميم كل لون على حدة فمثلاً إذا بدأنا باللون الأحمر لا نتركه إلى لون آخر حتى يتم تلوين جميع الأجزاء الحمراء . . . ثم ننتقل بعد ذلك إلى لون آخر وهكذا .

(١١) إذا أردنا جعل اللون في أحد الأجزاء متدرجاً من الفاتح إلى الغامق فما علينا إلا أن نقوم برفع الزجاج قليلاً إلى أعلى حتى ينزلق اللون بهدوء من ناحية (الفاتح) إلى أخرى (الغامق) مع مراعاة أن يتم ذلك بحرص شديد حتى لا يتخطى اللون خط الأنبوبة المحدد للجزء المراد تلوينه بهذه الطريقة إلى أجزاء أخرى حيث يقوم الخط المحدد (الذي يكون مرتفعاً نسبياً عن مستوى الزجاج) في هذه الحالة بمنع اللون من الإنزلاق إلى الأجزاء الأخرى .

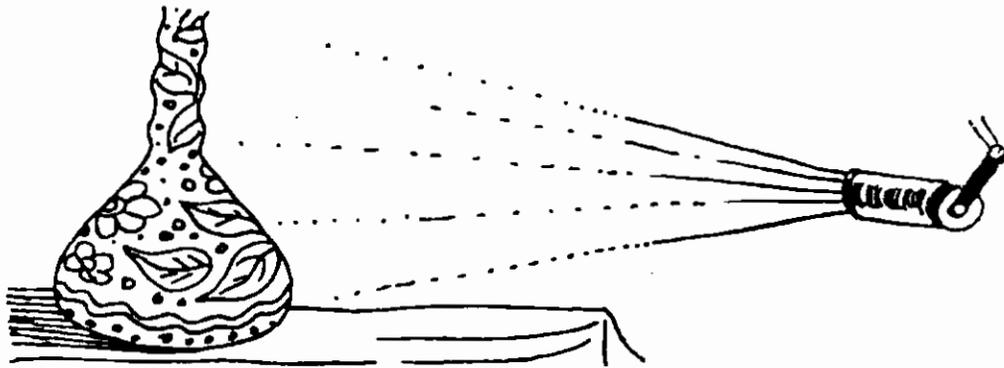


(١٢) تستخدم فرشاة ناعمة في التلوين أو حقنة بدون سن عن طريق تنقيط اللون في المكان المراد تلوينه .
 (١٤) إذا اكتشفت بعد التلوين أن اللون أفتح من المطلوب وأردت تغميقه ، فلا تبدأ في وضع اللون على الفور . . . بل يجب أن تنتظر مدة لا تقل عن ١٢ ساعة حتى يجف اللون الفاتح تماماً ثم لون فوقه مرة أخرى .

(١٥) بعد الانتهاء تماماً من عملية التلوين يترك التصميم ليحجف تماماً لمدة ٢٤ ساعة في مكان جيد التهوية . . ثم يرفع الزجاج الملون من فوق المضددة ويثبت في المكان المخصص له .

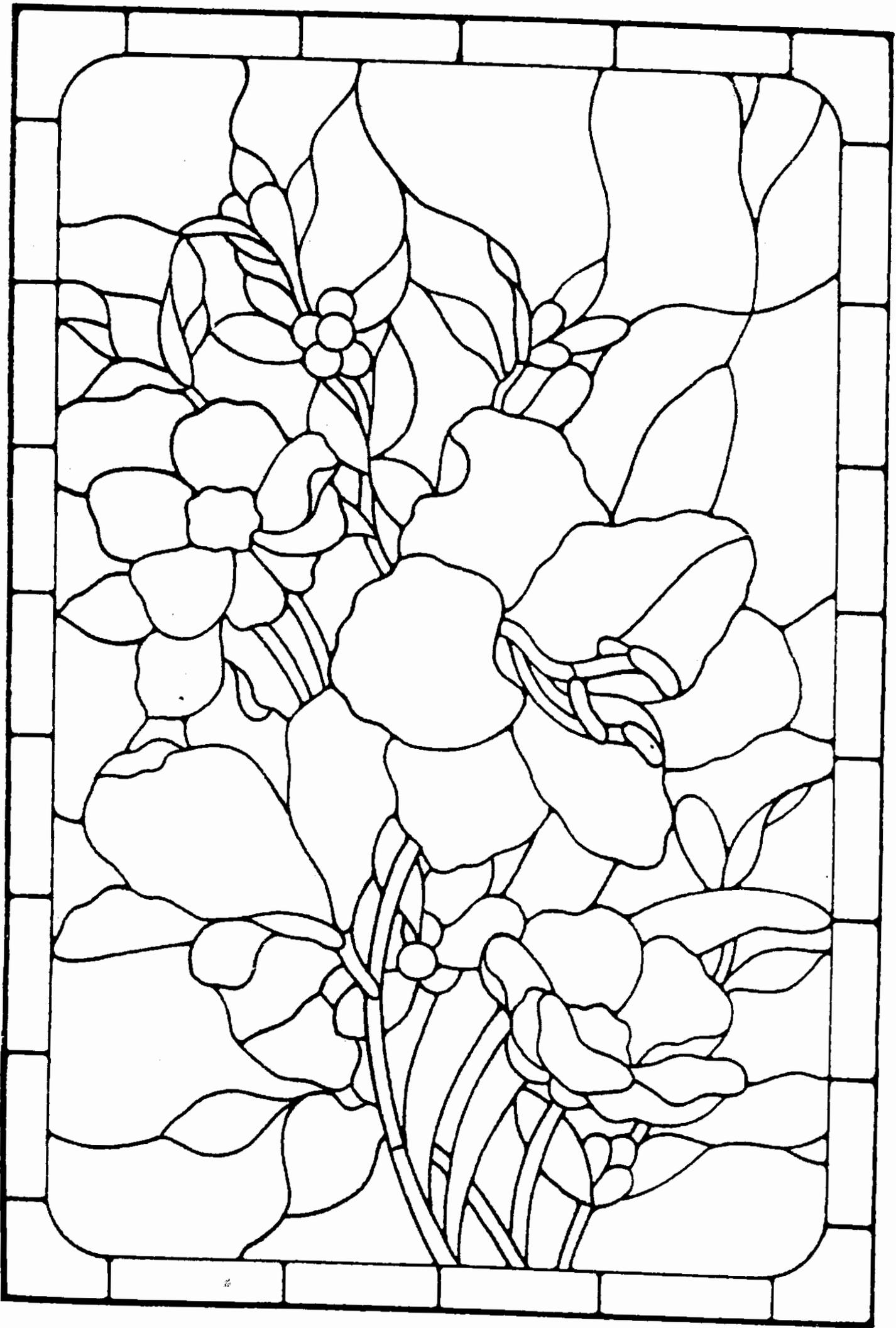
ملاحظات عامة :

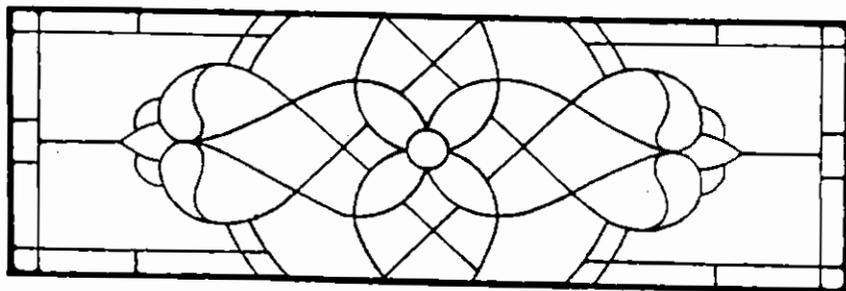
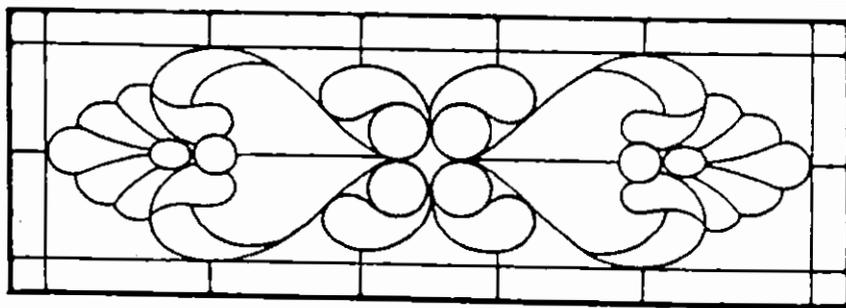
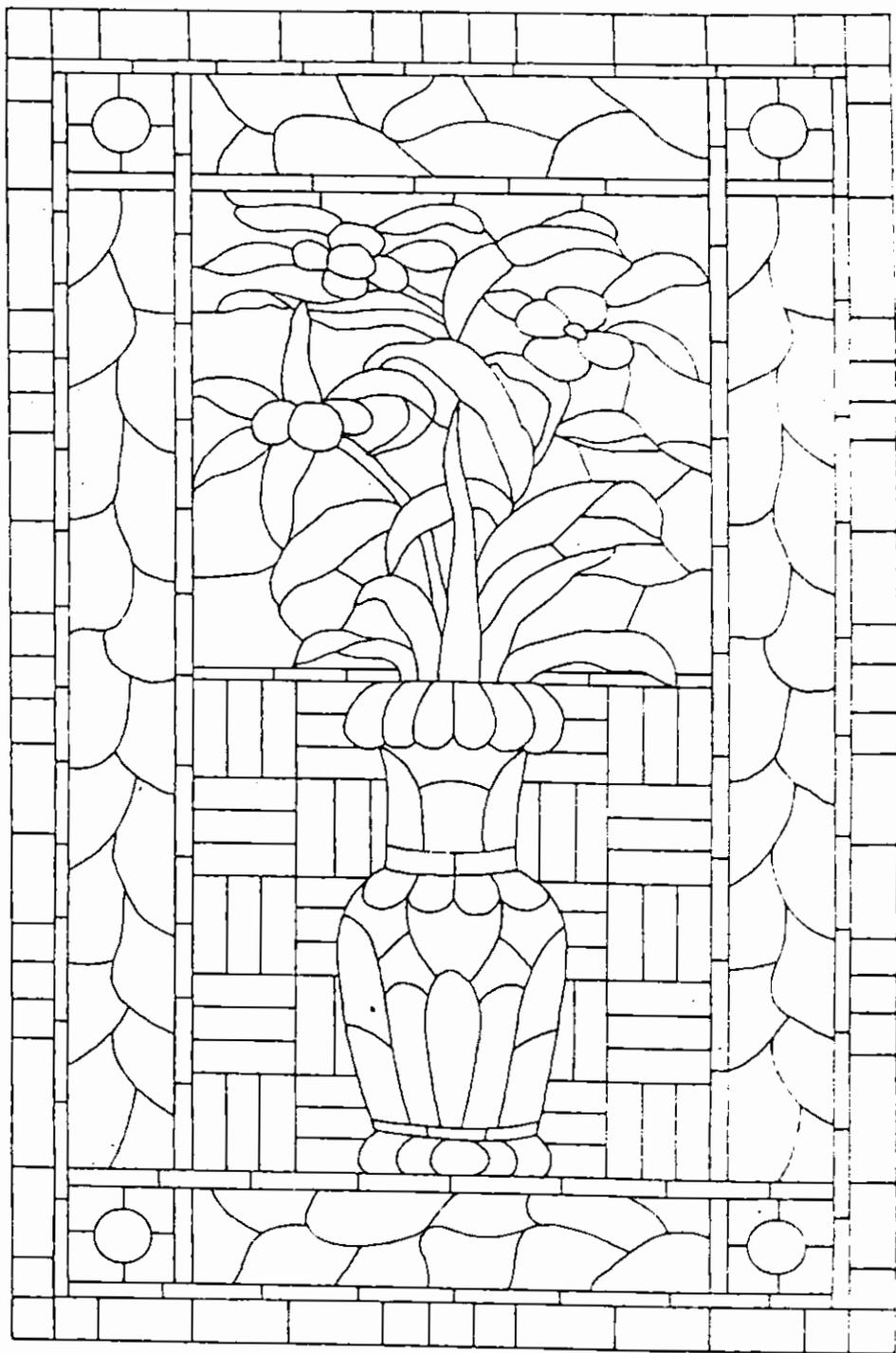
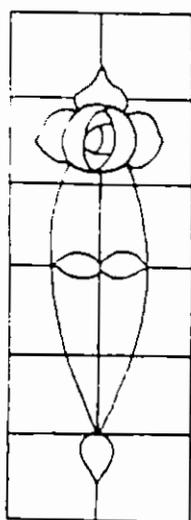
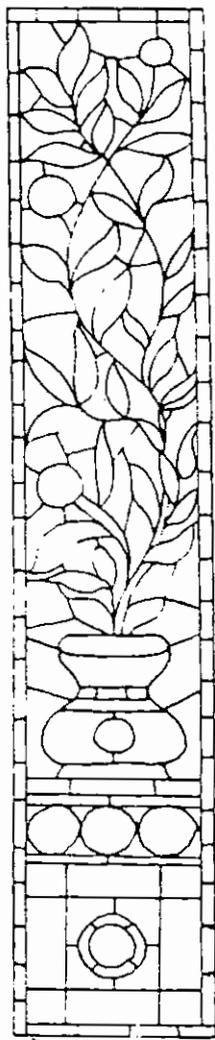
- أ- إذا كان الزجاج الملون زجاج نافذة تطل على الهواء الخارجى يراعى أن يكون الوجه المرسوم عليه هو الوجه الداخلى الغير معرض للهواء والأترية .
- ب- يفضل وضع لوح من الزجاج بنفس مقاس الزجاج الملون ثم تثبيته فوق الجهة الملونة وذلك إذا كان الزجاج معرضاً للهواء والشمس والدخان .
- ج- إذا كان الرسم على لوحة زجاجية بغرض تعليقها على الحائط فيراعى أن يكون السطح الخالى من التلوين هو السطح الملاصق للحائط .
- د- إذا كان الزجاج المطلوب رسمه وعاء زجاجى أو لمبة (سهراية ، أو أى نوع من الأوعية الزجاجية الشفافة- يفضل وضع أى مصدر إضاءة داخل هذا الوعاء لإظهار جمال الشكل وإضفاء الجو المطلوب على المكان .
- هـ- إذا كان هذا الوعاء غير مطلوب وضع إضاءة داخله فيفضل أن يرش أو يلون داخل الوعاء بلون أسود أو بنى غامق حتى يتسنى أن يظهر الرسم بالشكل اللائق بحيث يكون مصدر الضوء خارجياً ومصوب عليه تقريباً .
- و- يفضل عموماً التلوين على الزجاج من النوع المصنفر فى حالة ما إذا كان هذا الزجاج سيوضع فى مكان خارجى وذلك حتى لا تختلط الرؤية بين التصميم المرسوم والأشياء والألوان الموجودة خلفه من البيئة . . . حيث تمنع الأجزاء المصنفرة والغير ملونة رؤية هذه الأشياء .

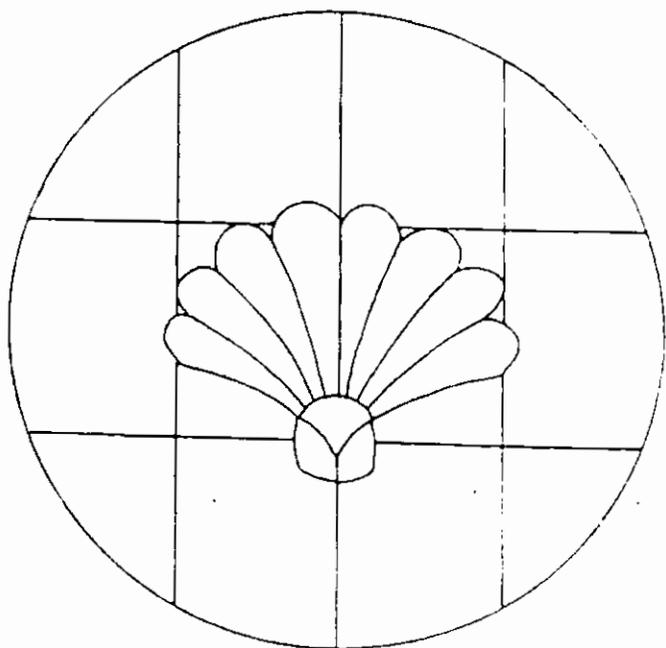
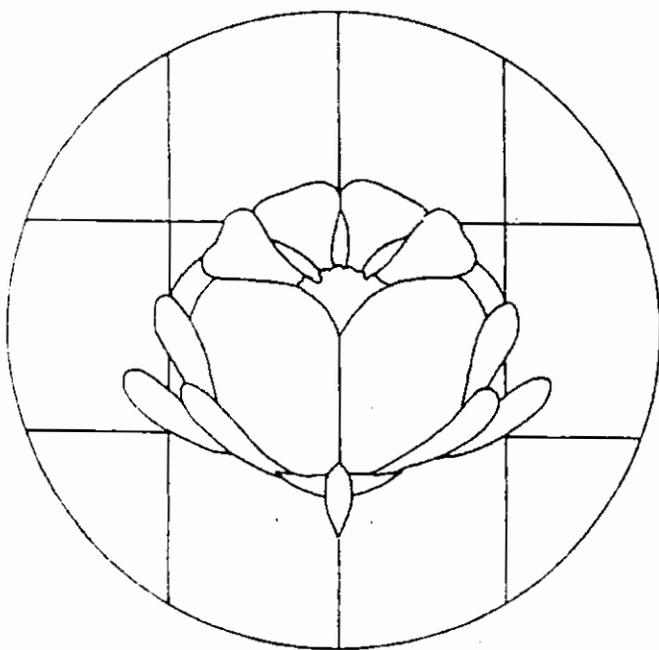
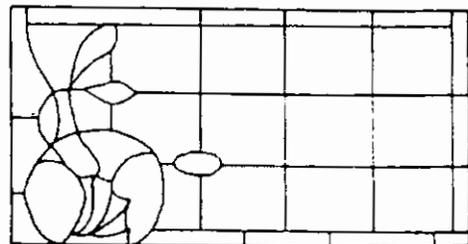
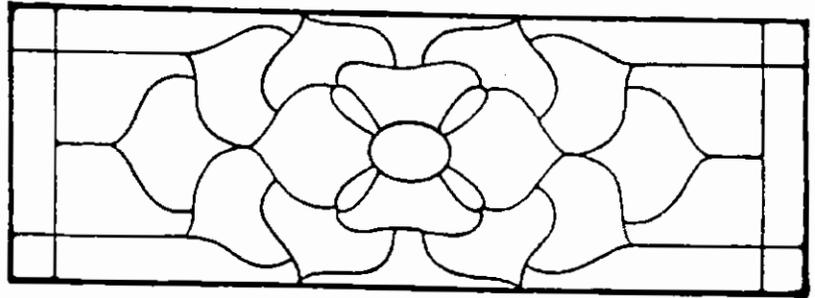
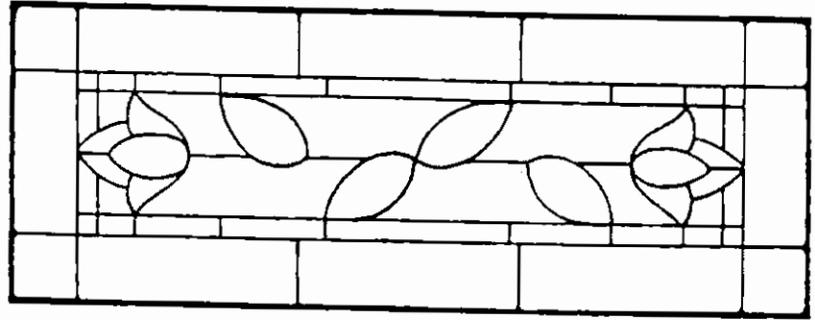
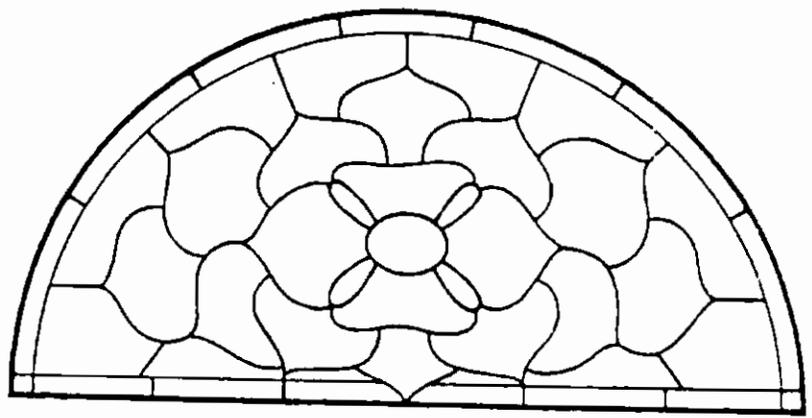
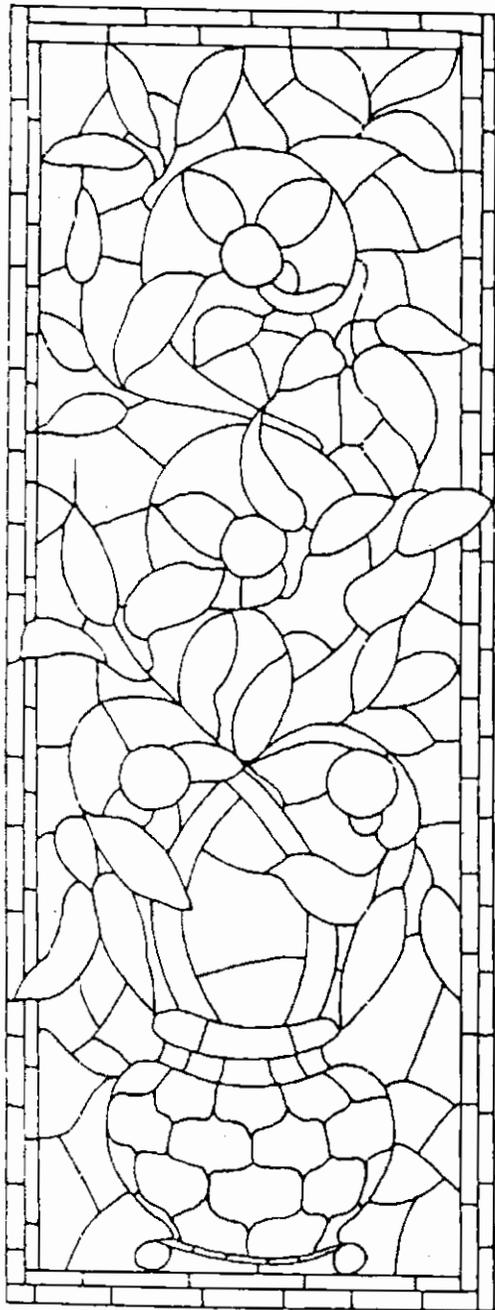


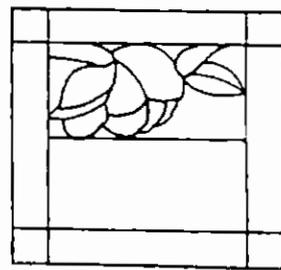
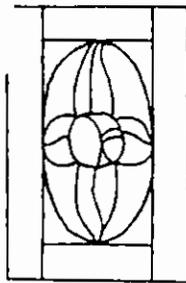
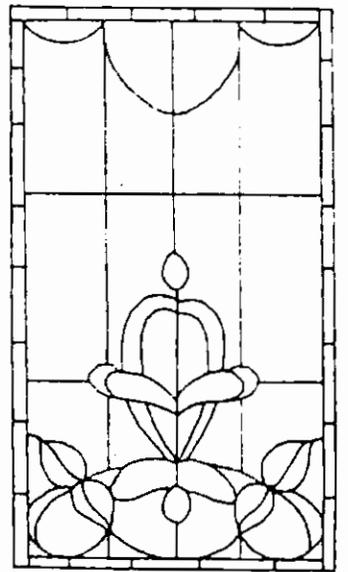
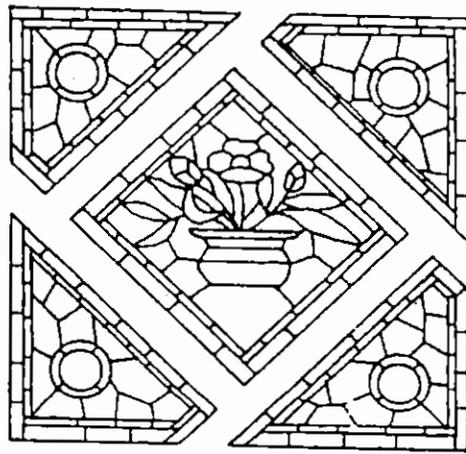
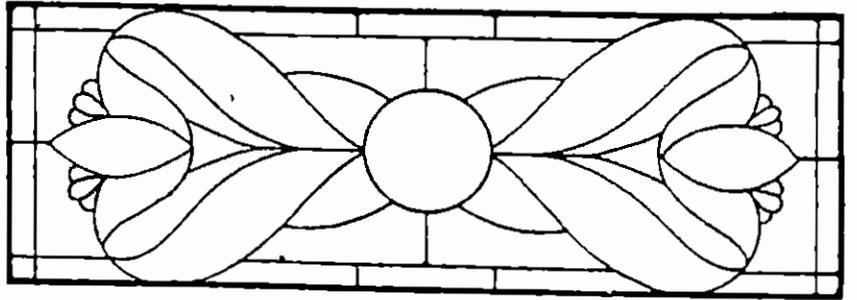
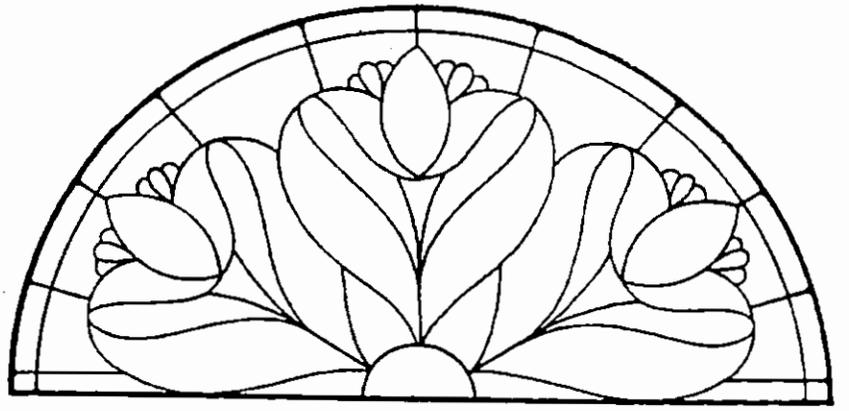
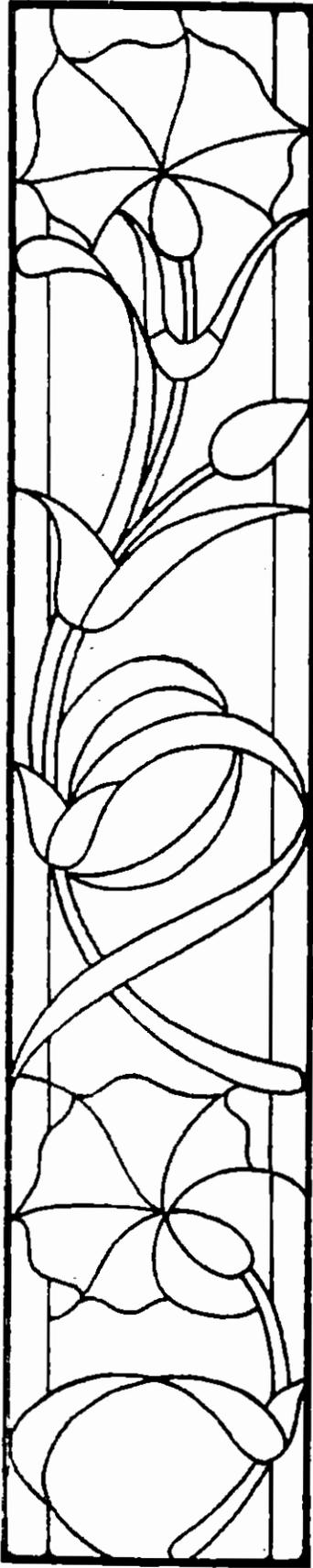
- ز- يمكن رش التصميم بعد انتهاء عملية التلوين والجفاف التام- بورنيش شفاف لحمايته .
- ح- يمكن غسل الزجاج المرسوم بالماء والصابون ولا يستخدم فى عملية التنظيف أى منظفات صناعية مثل الإسبراي والمذيبات العضوية وذلك للمحافظة على ألوان التصميم ثابتة .

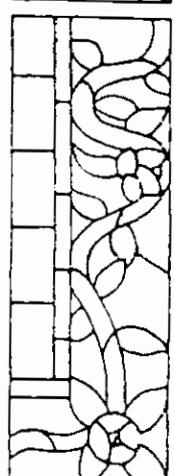
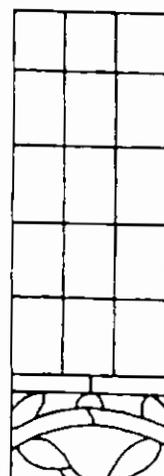
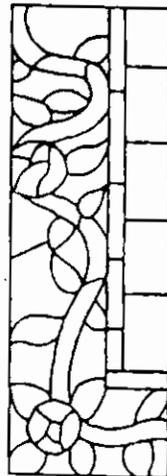
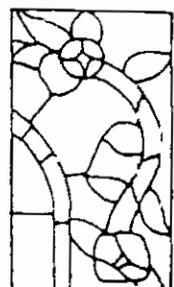
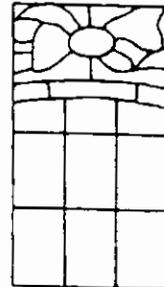
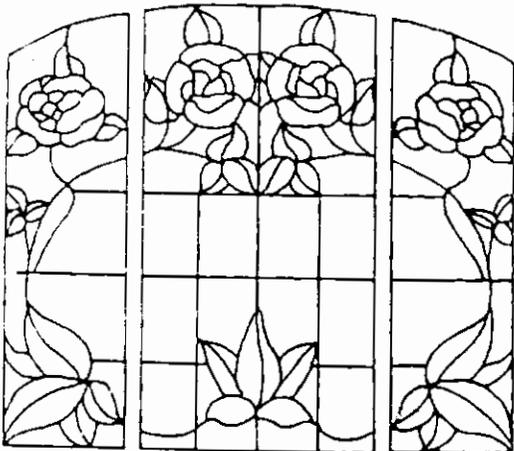
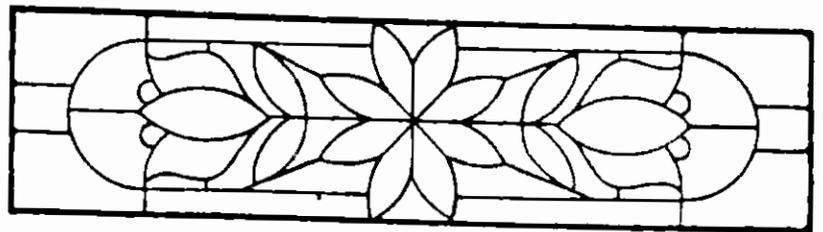
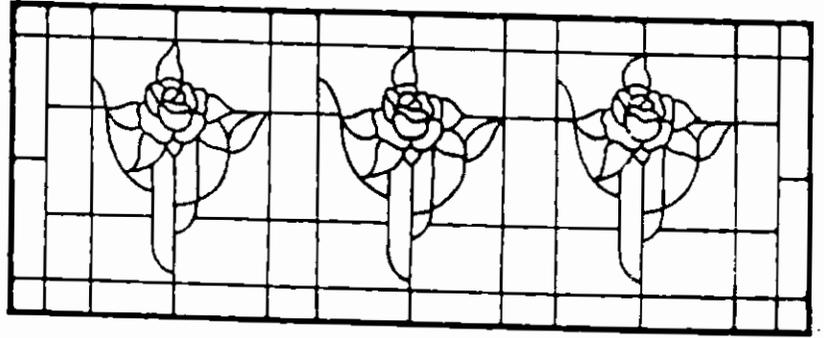
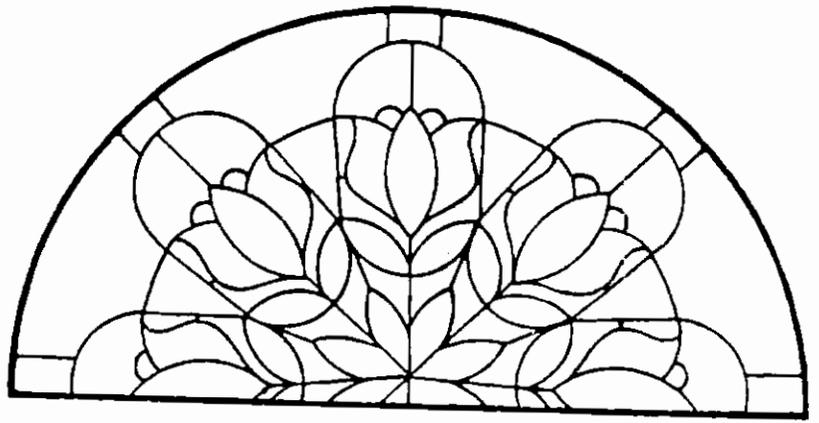
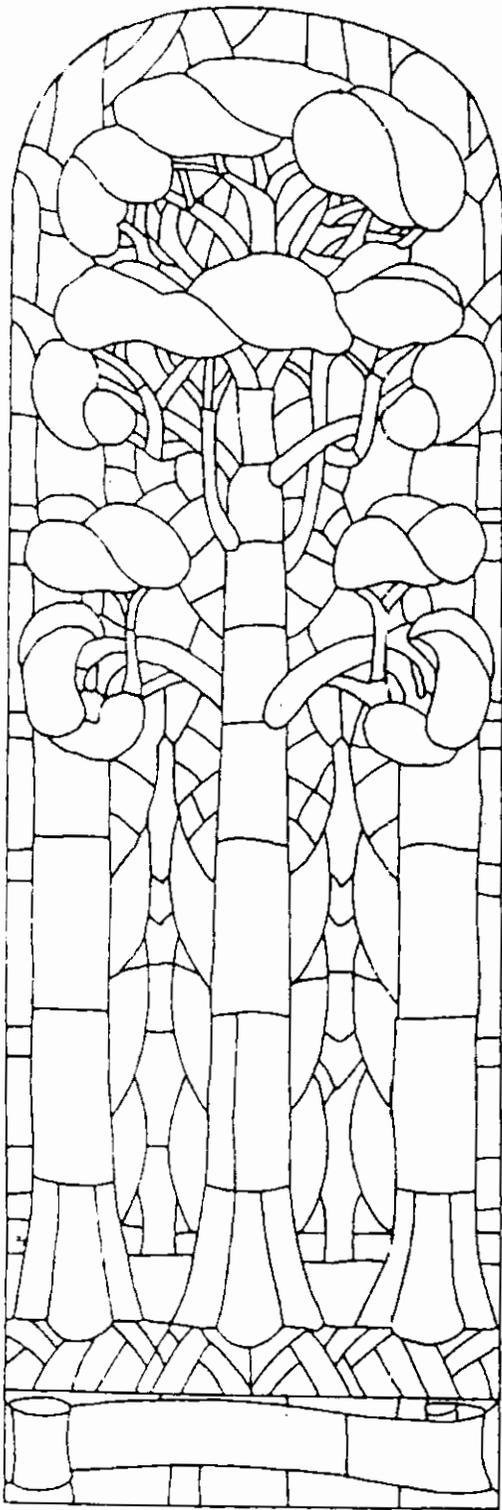
تصميمات

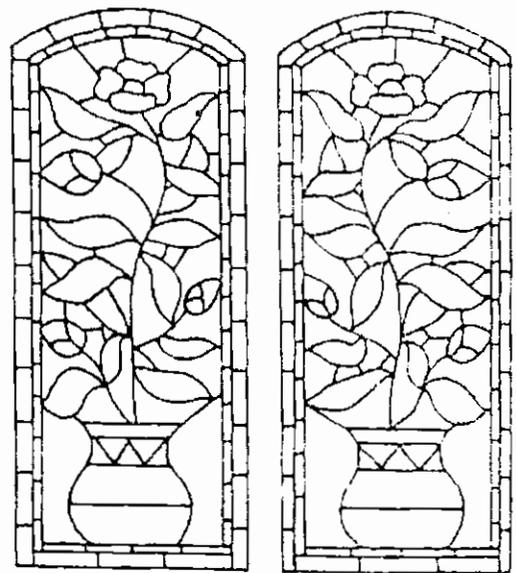
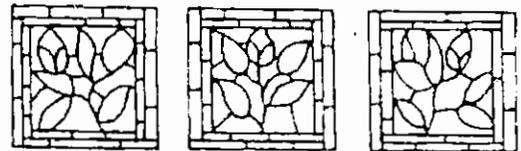
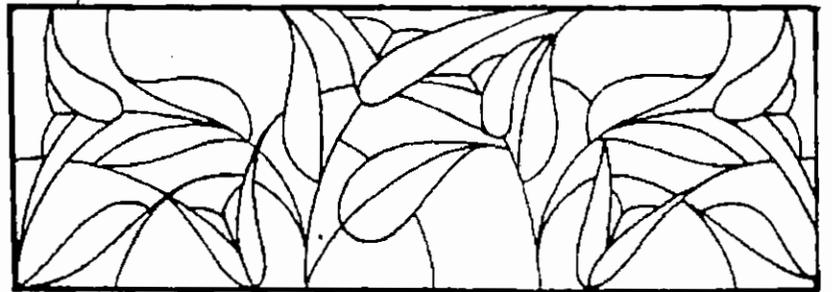
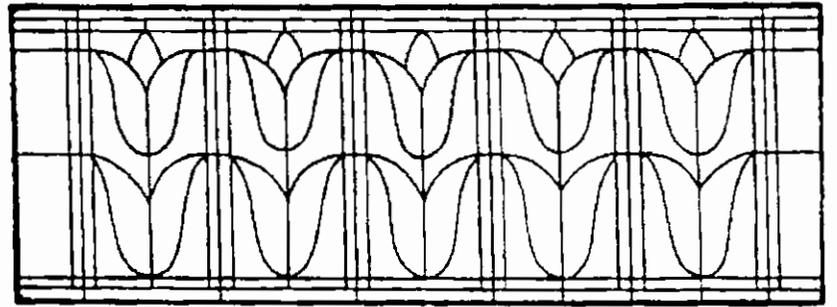
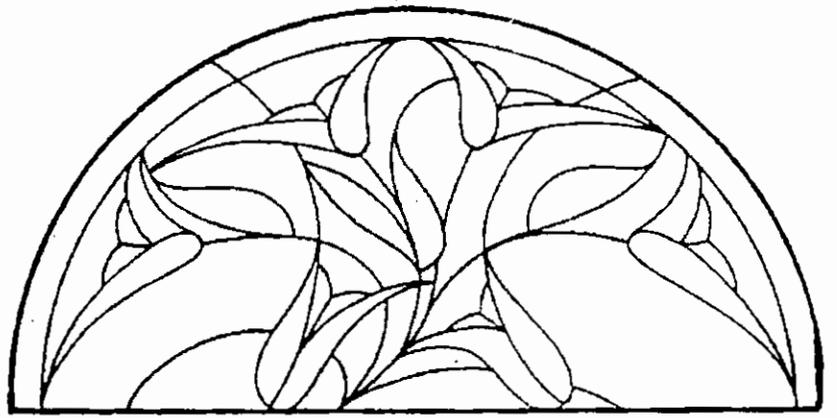
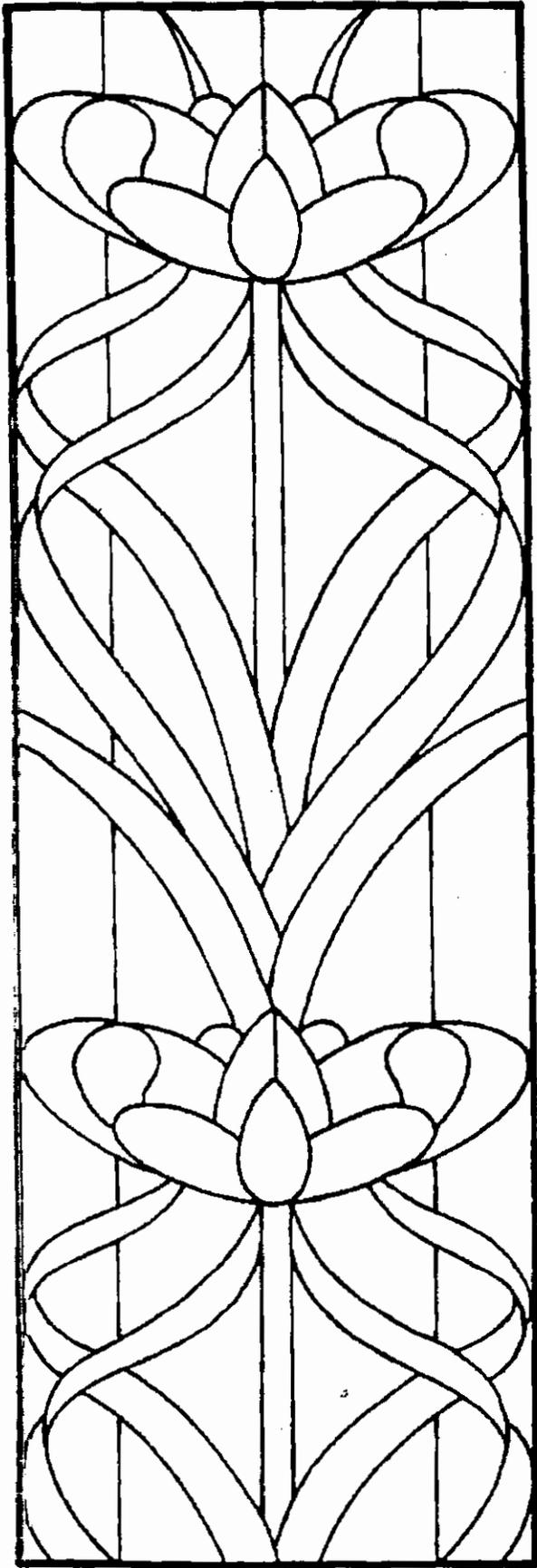


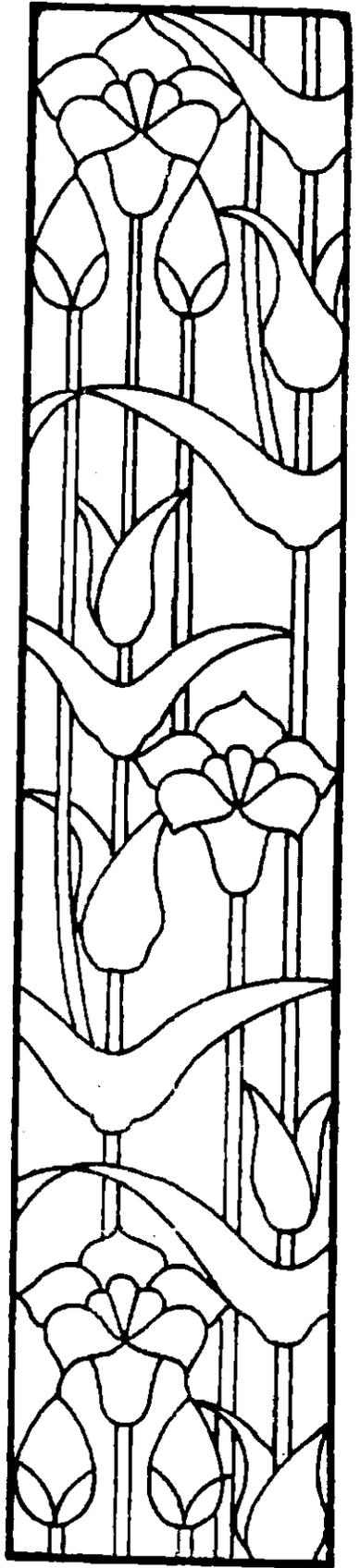
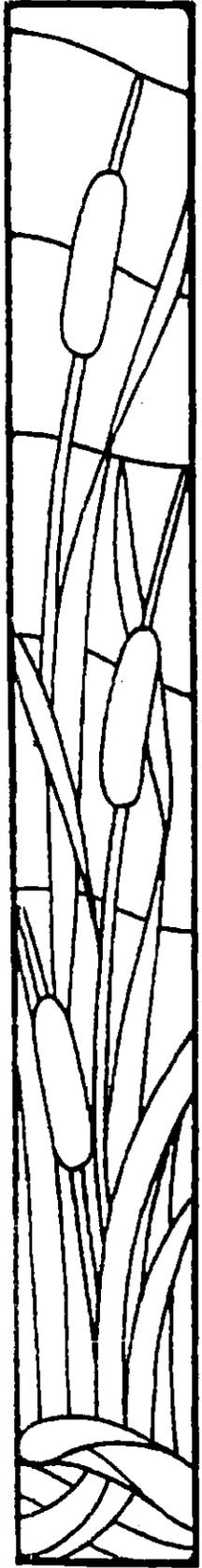


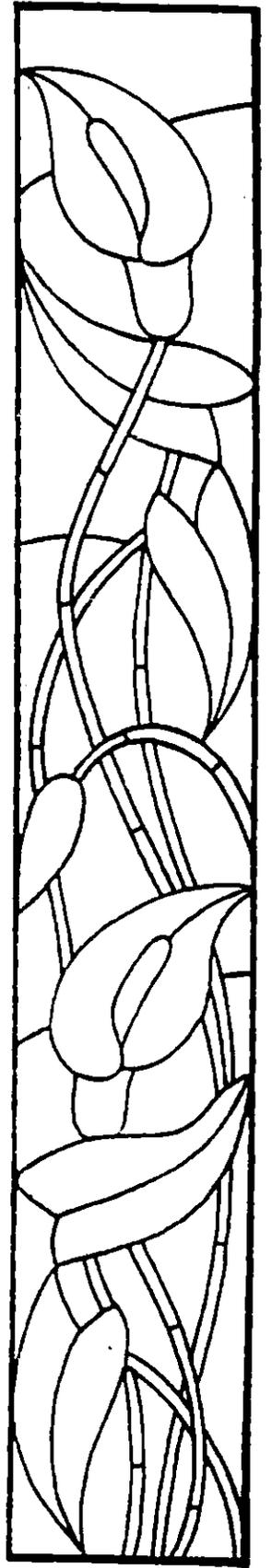
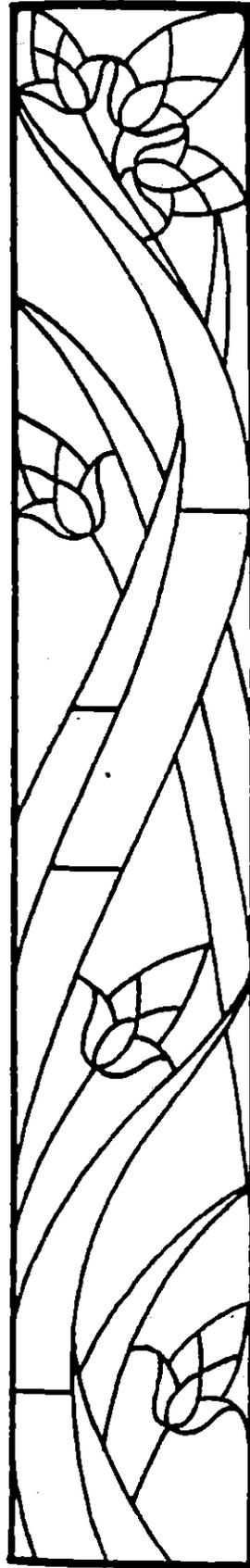
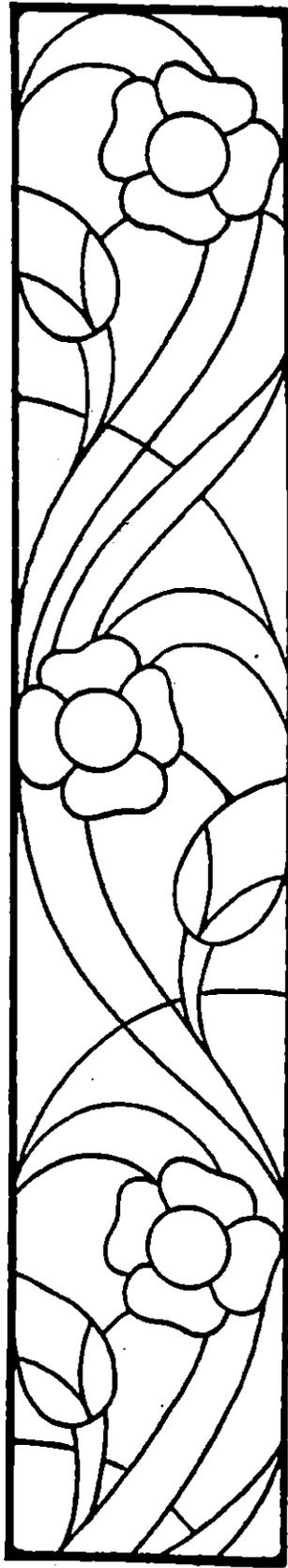
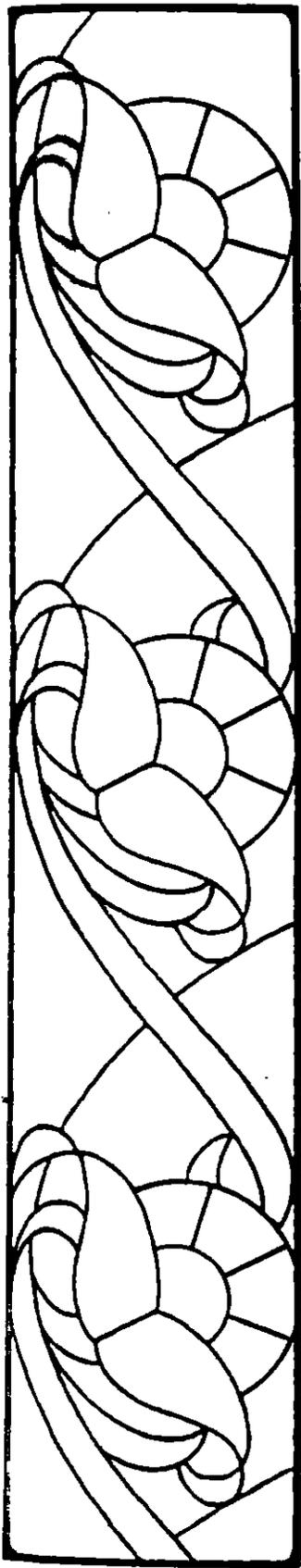


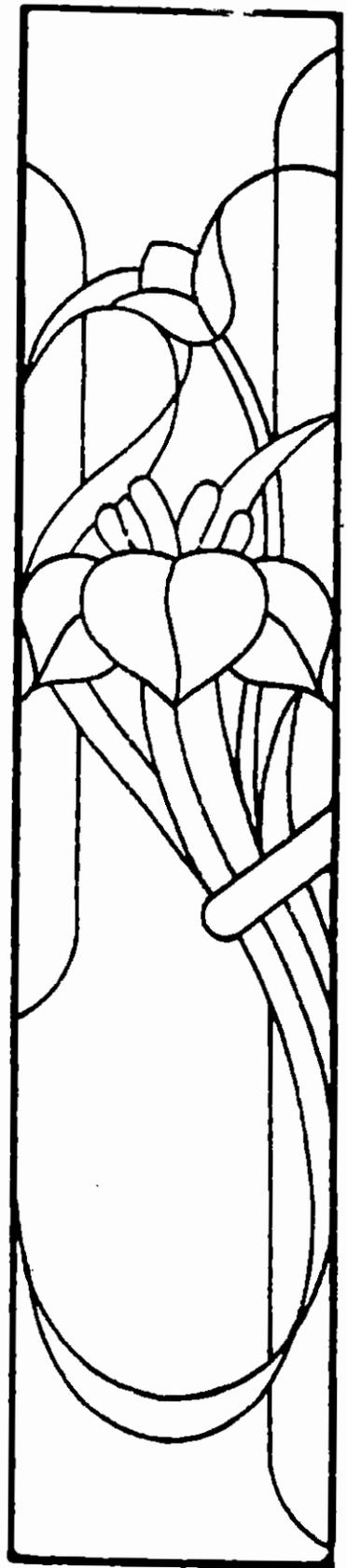
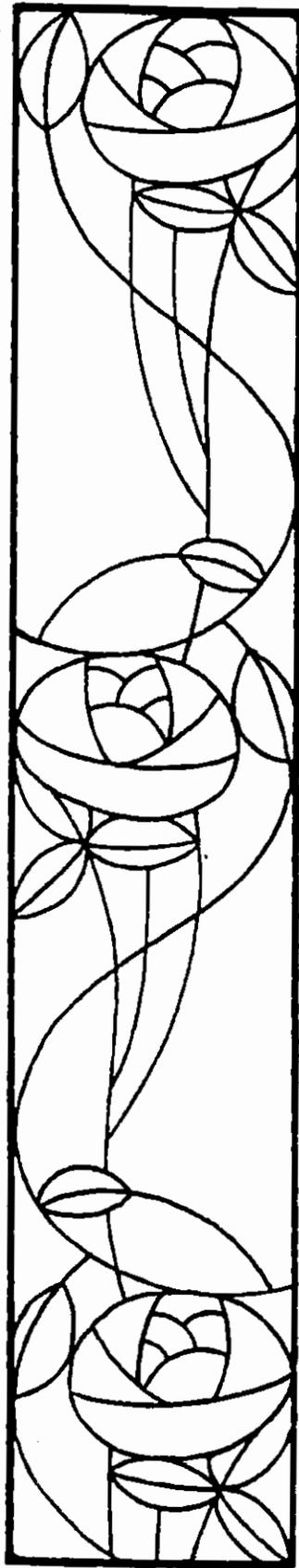
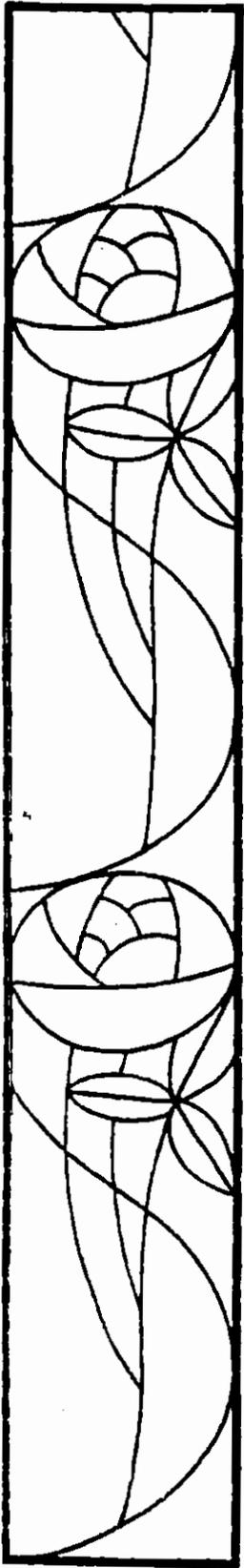


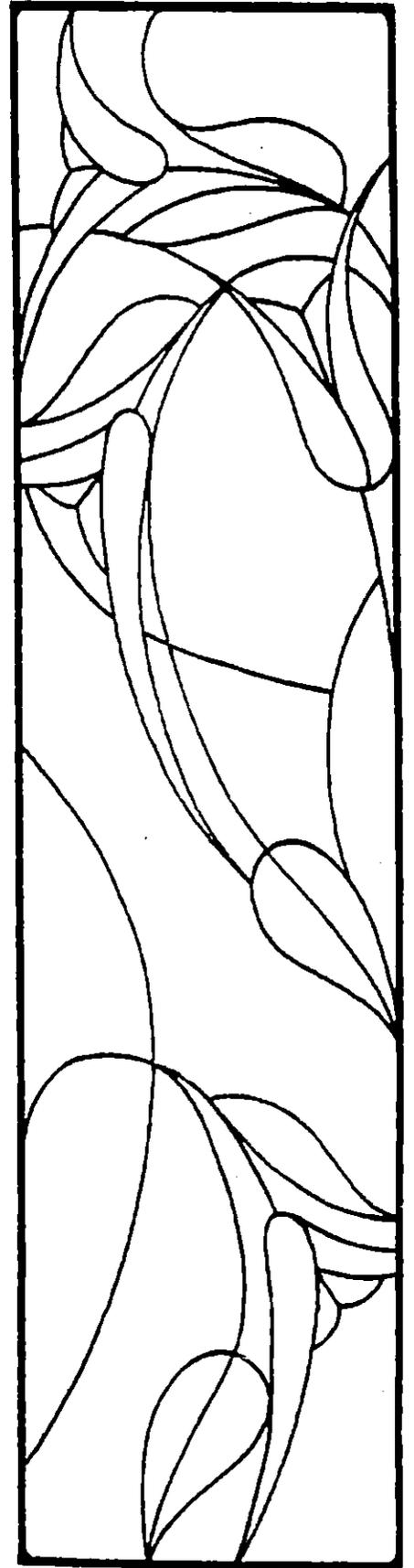
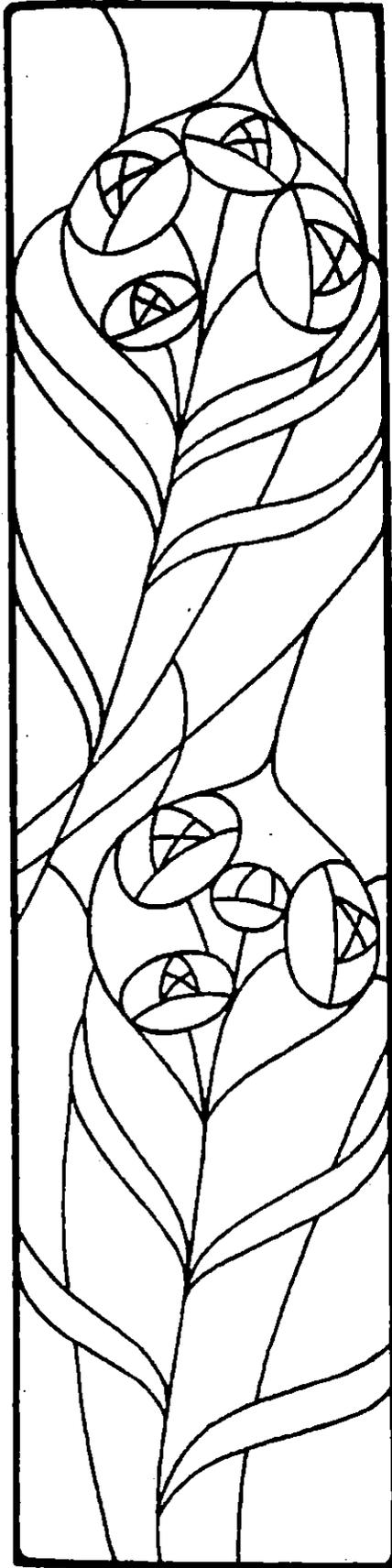
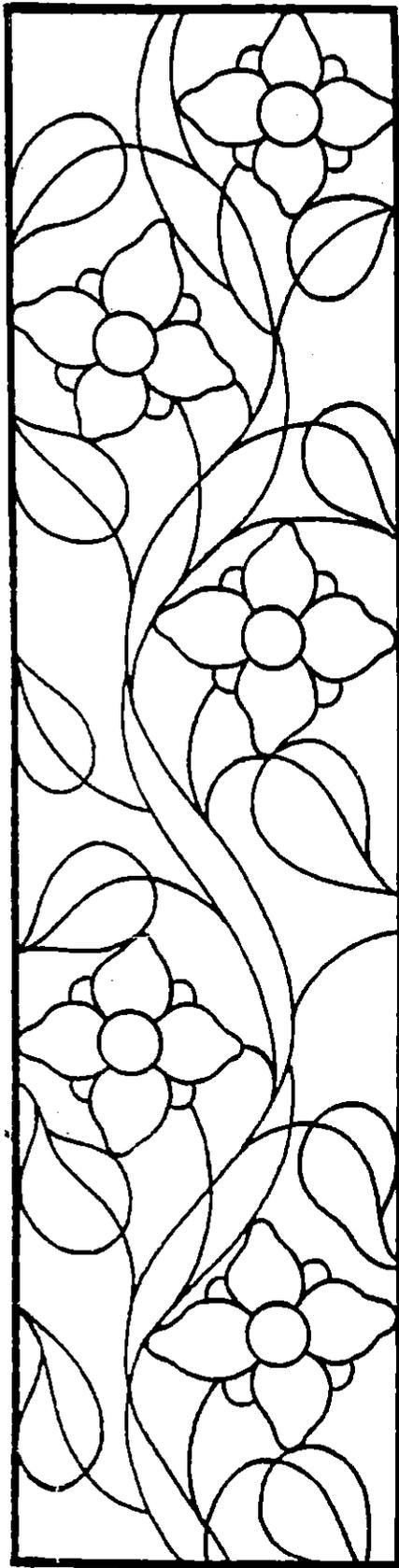


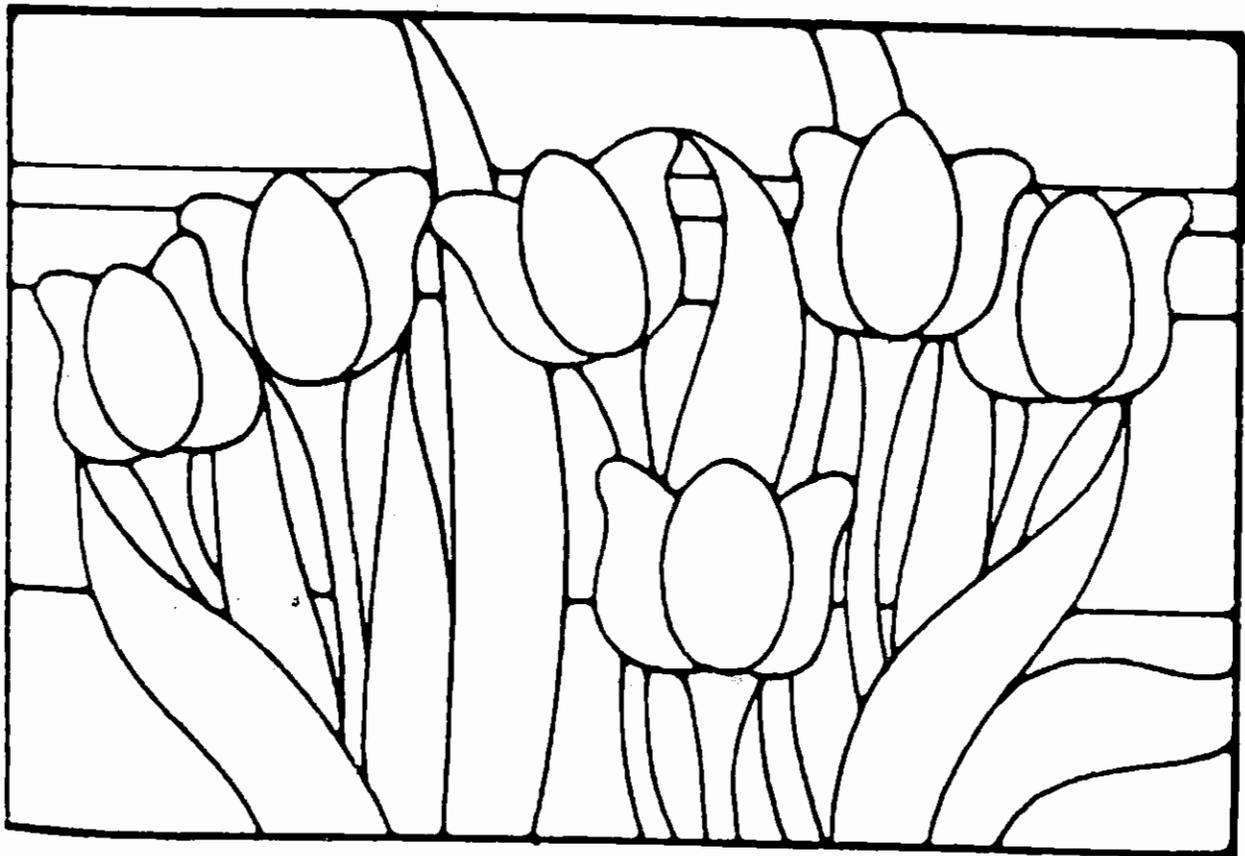
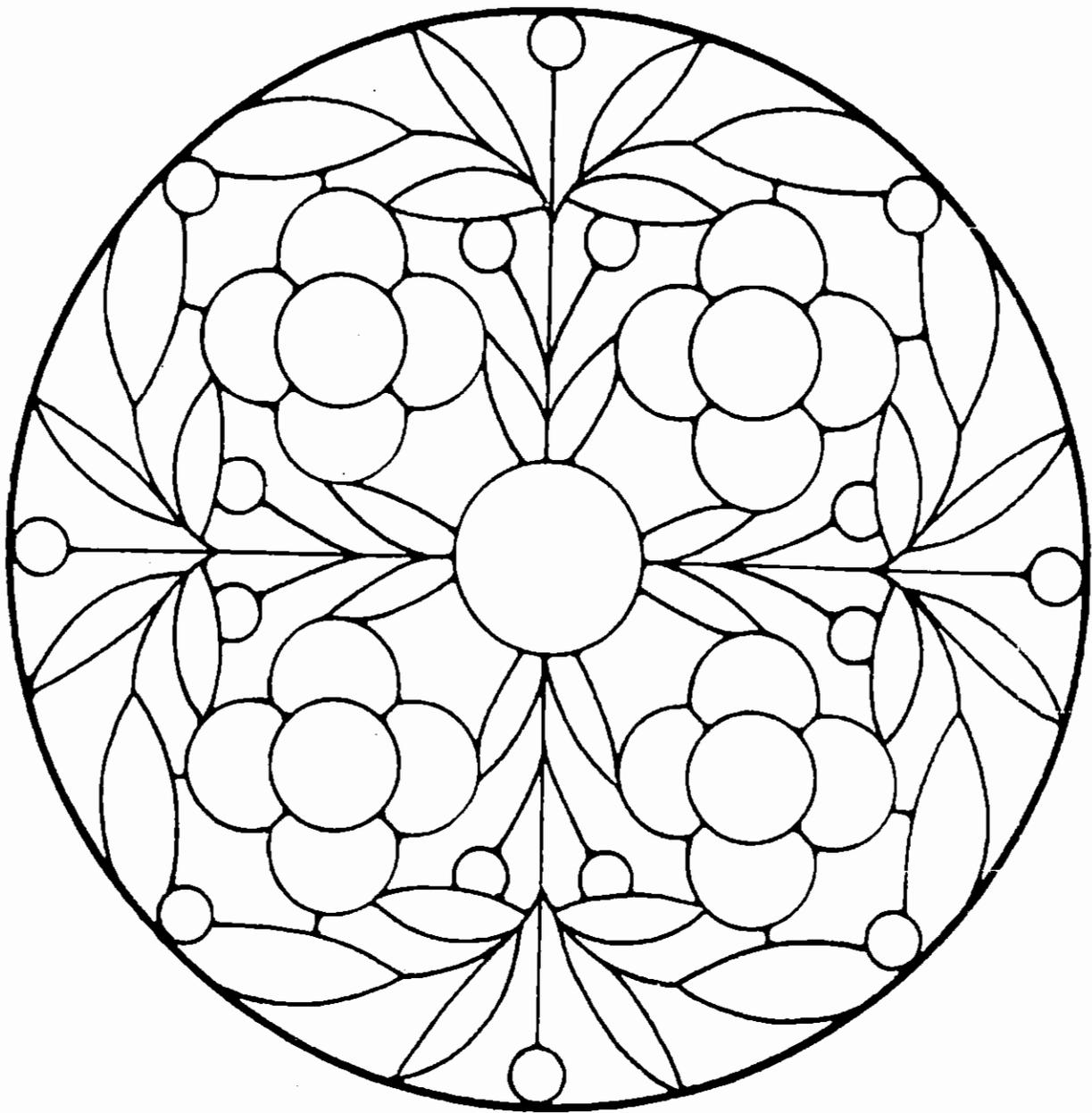


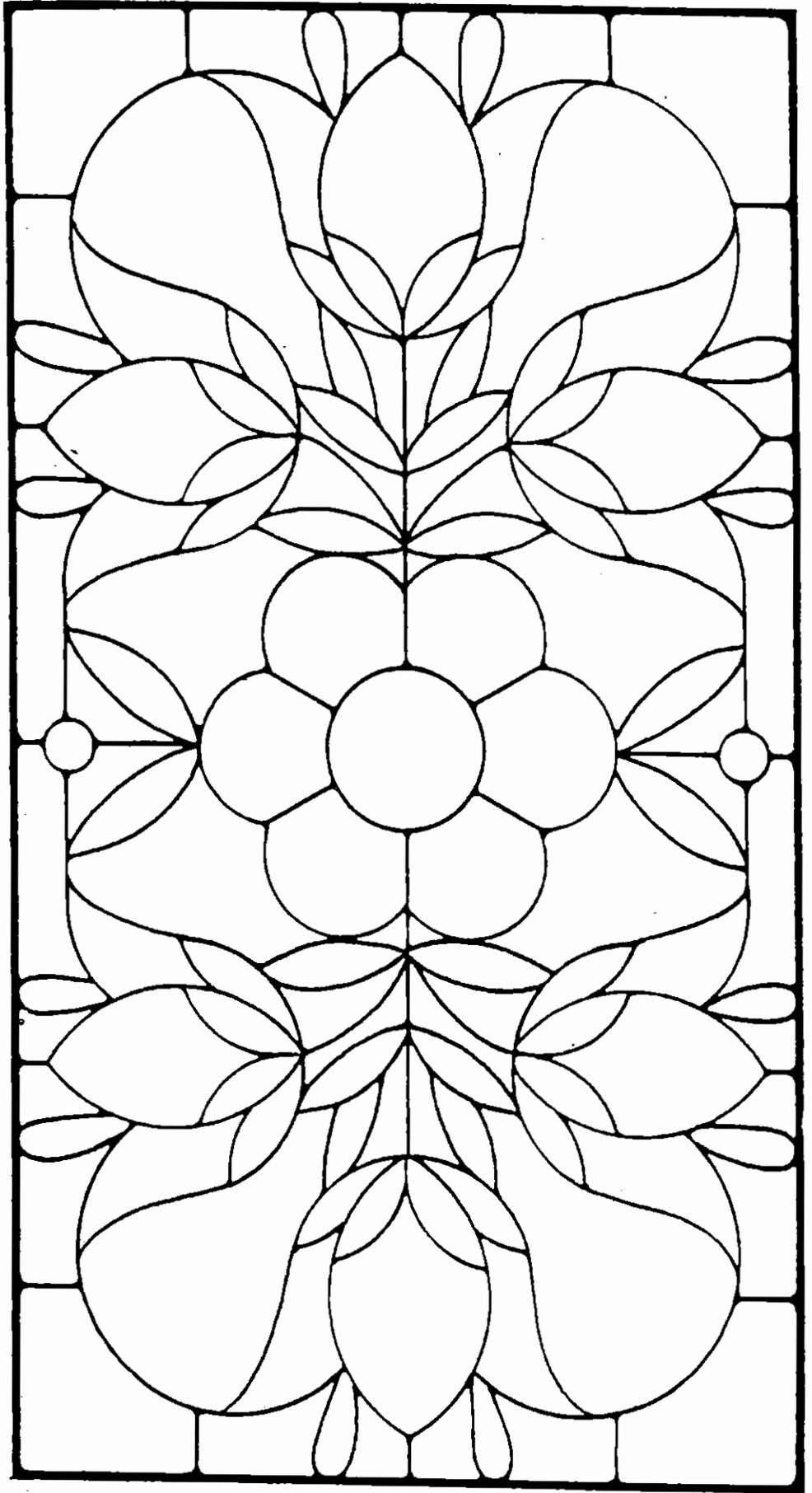
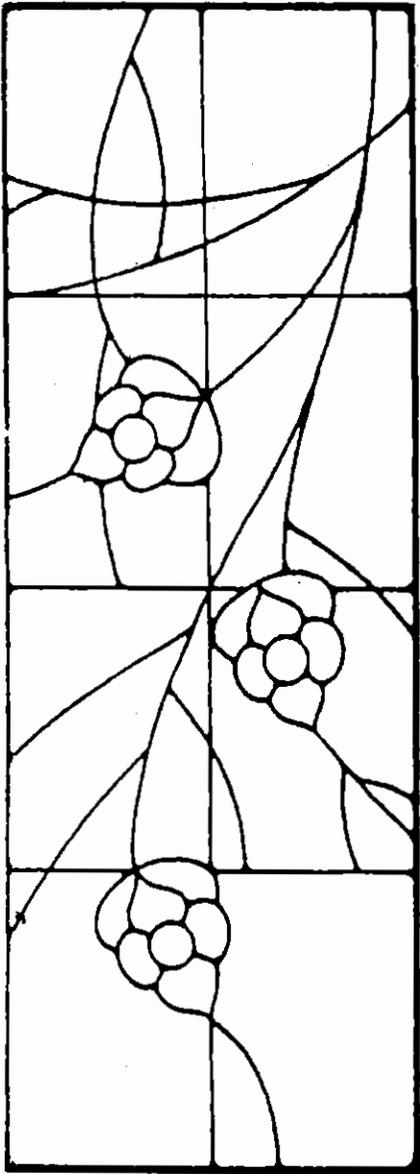


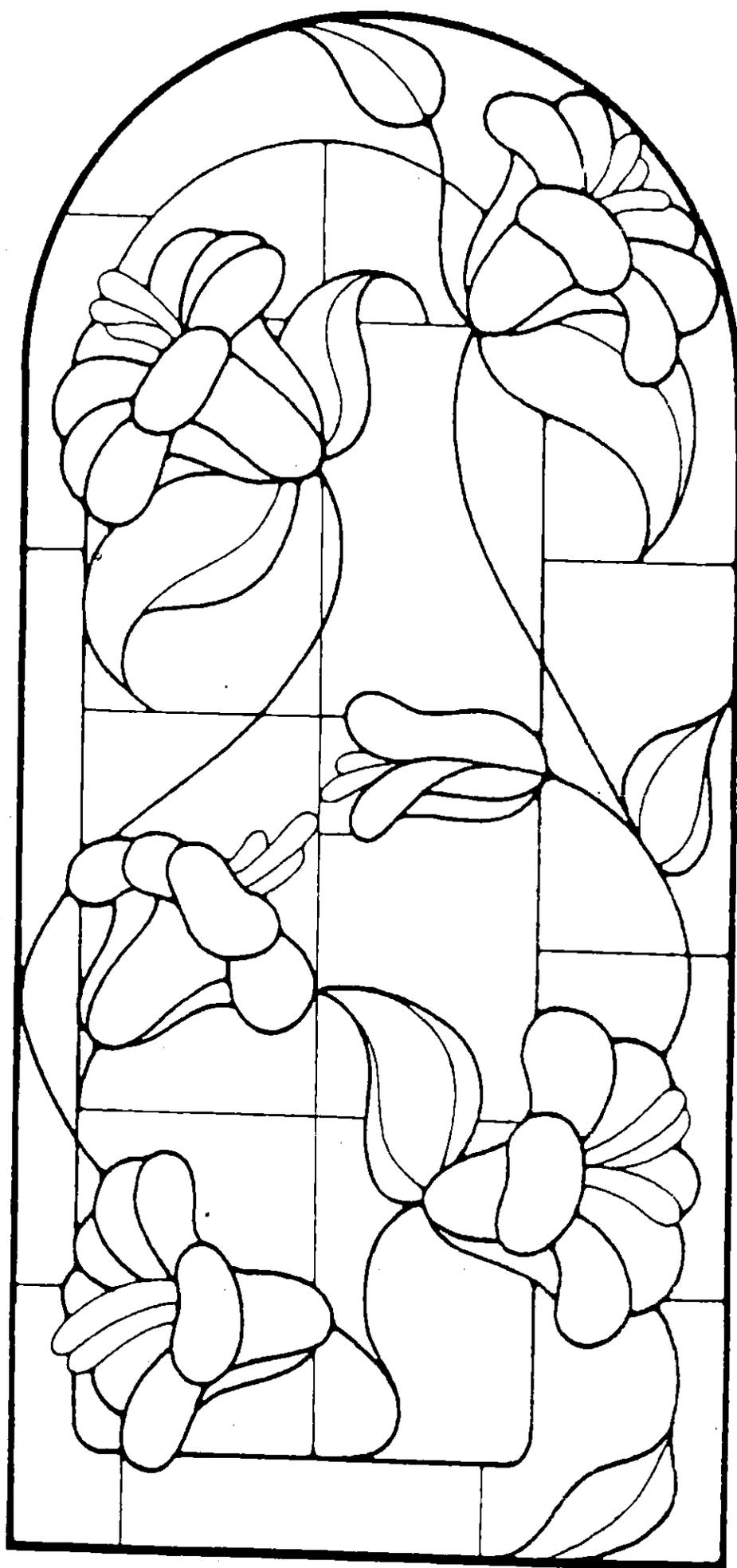
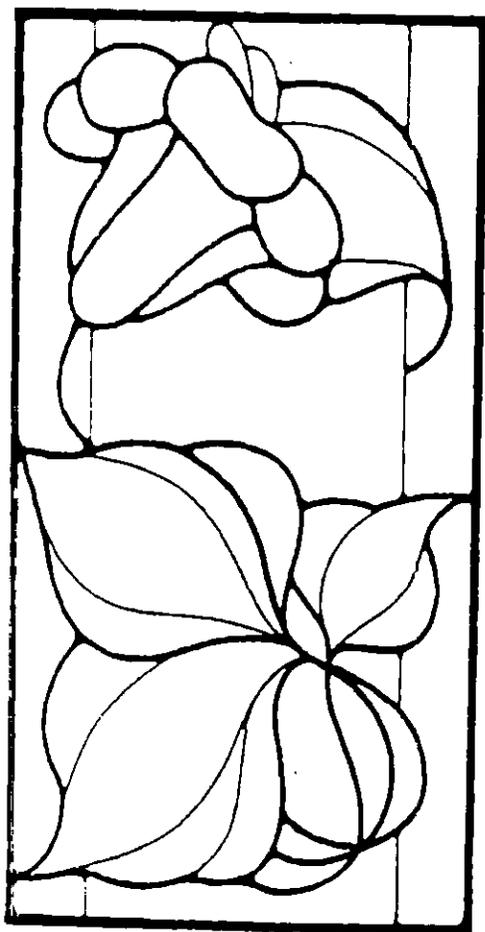


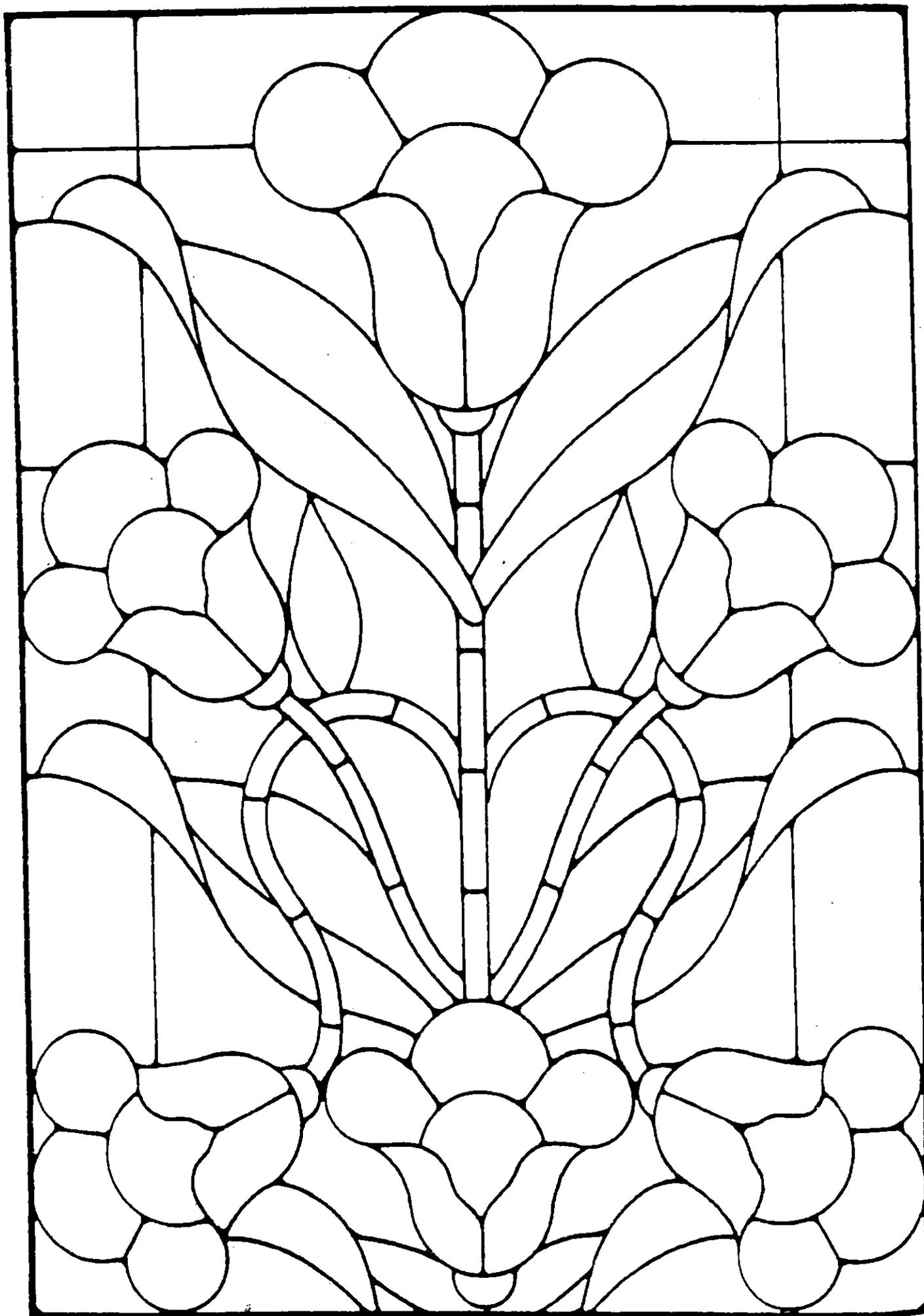




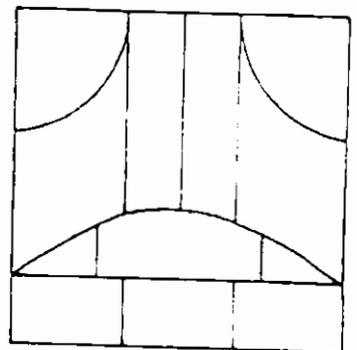
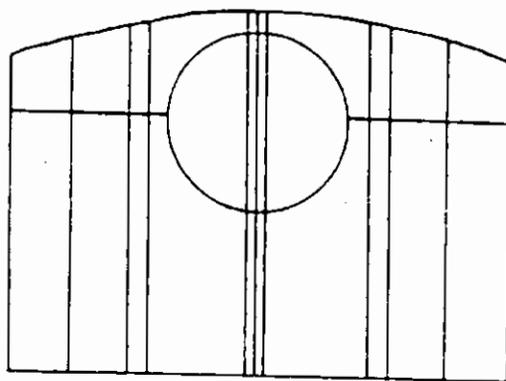
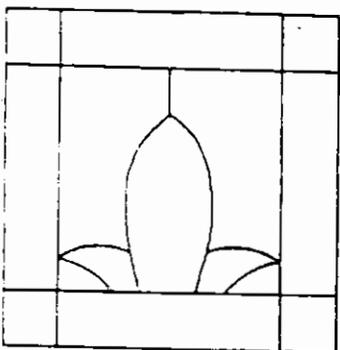
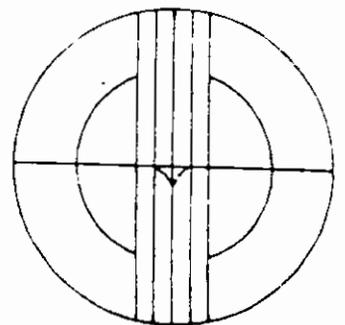
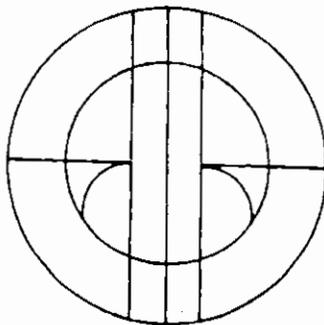
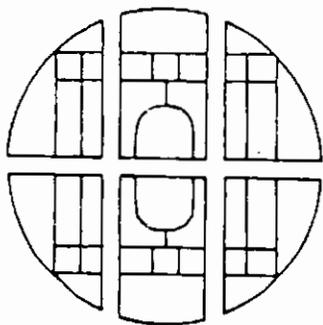
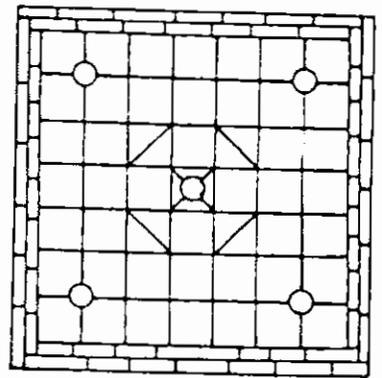
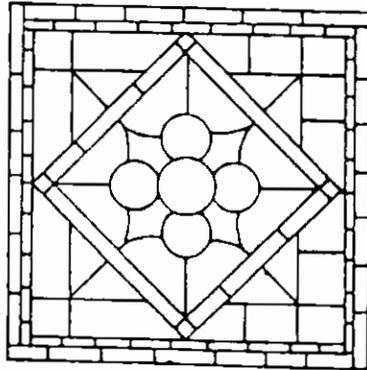
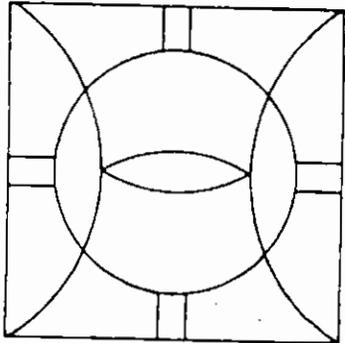
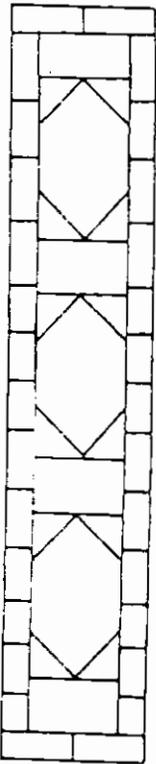
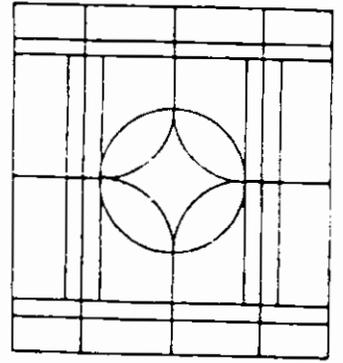
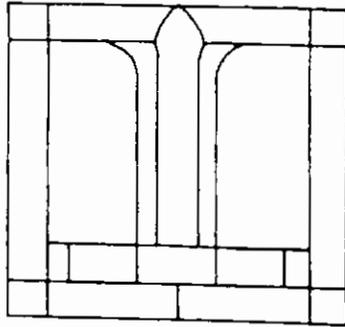
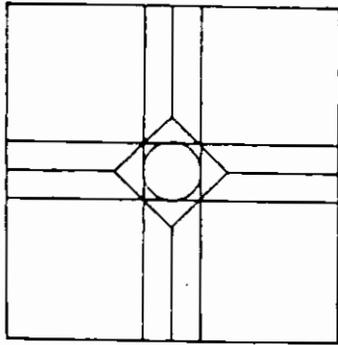
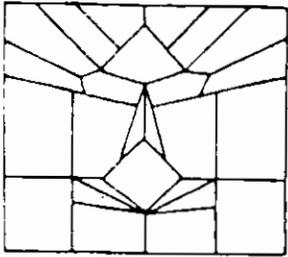
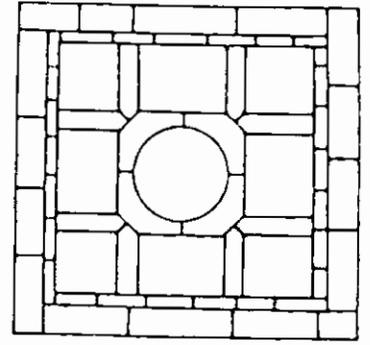
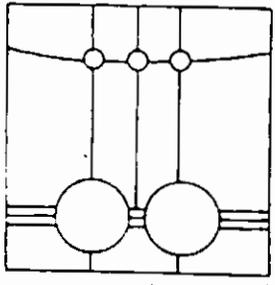


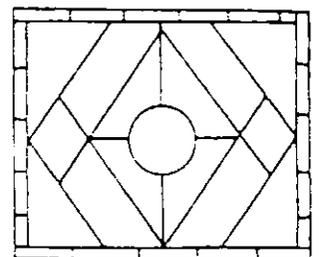
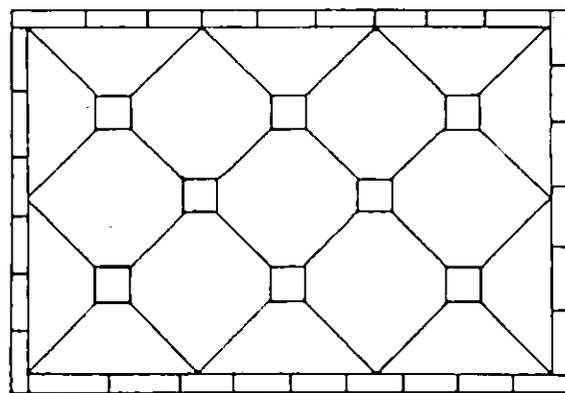
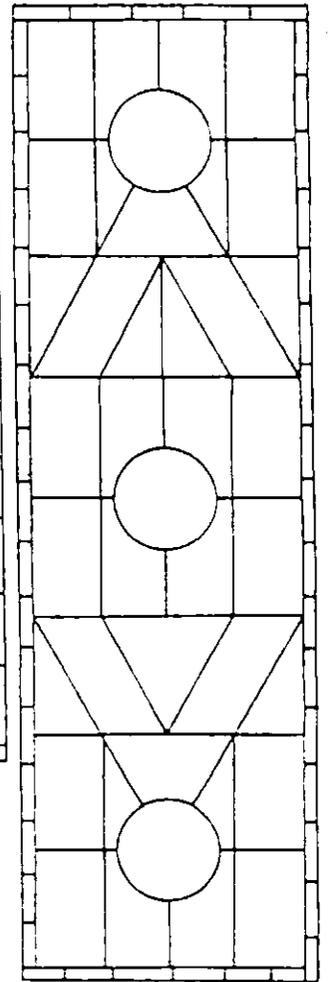
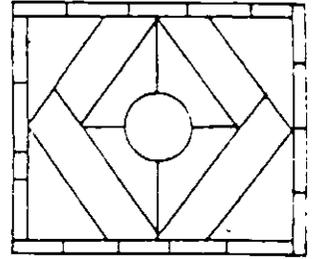
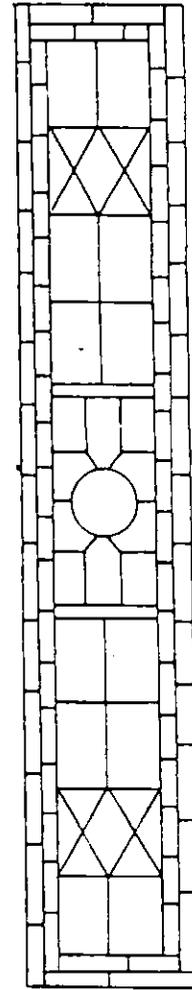
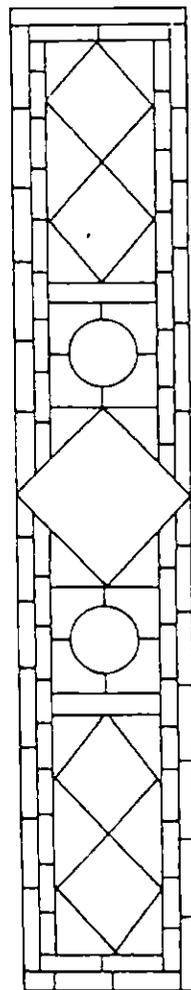
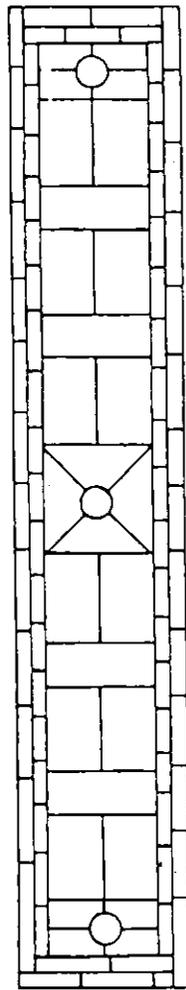
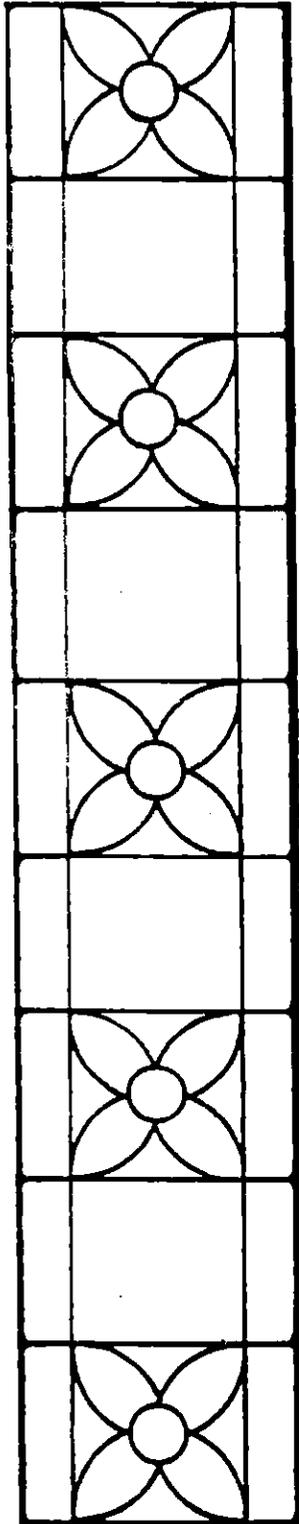
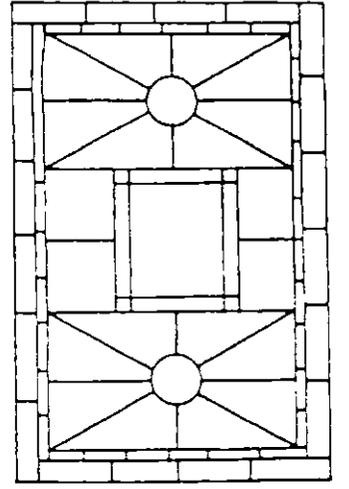
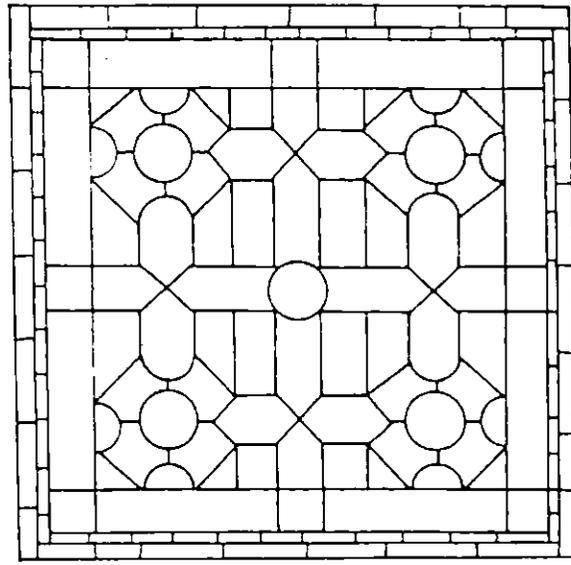
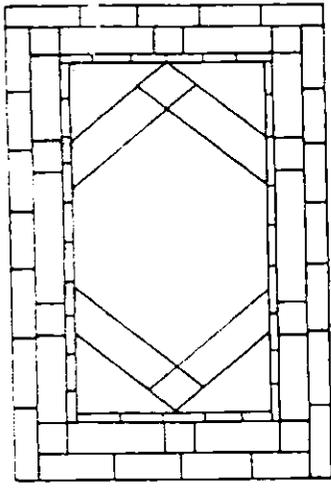


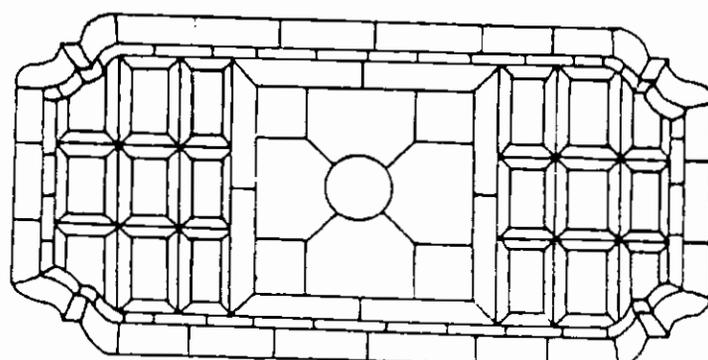
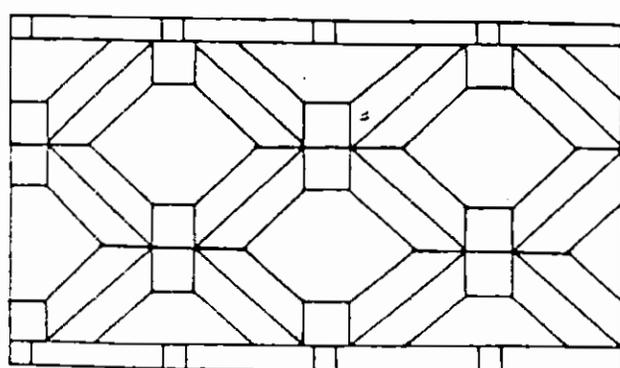
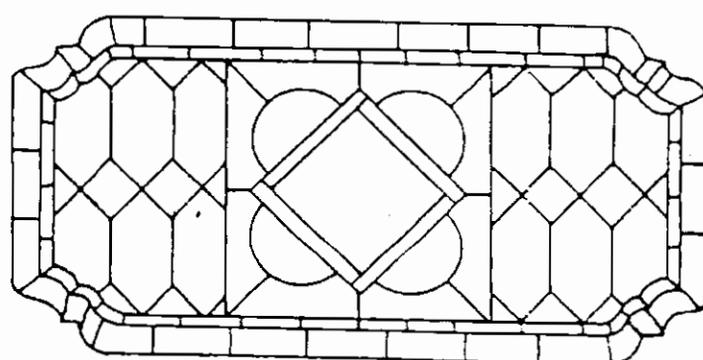
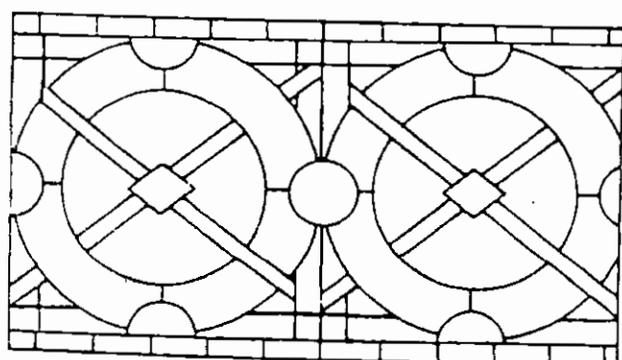
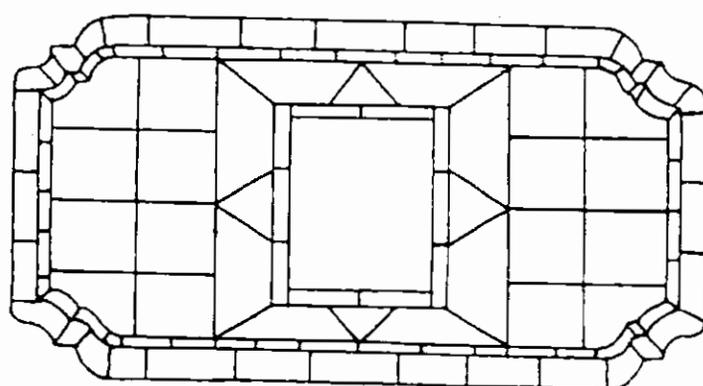
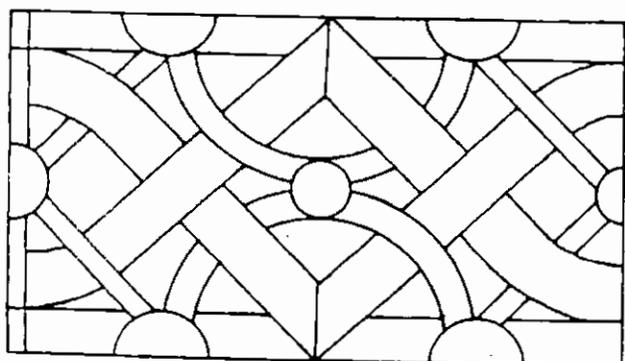
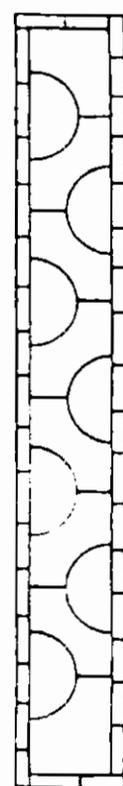
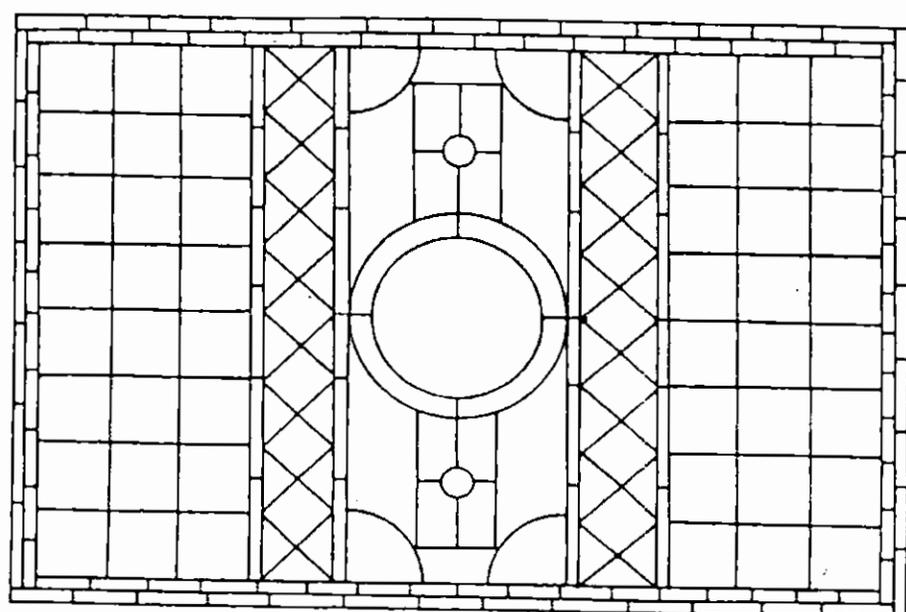
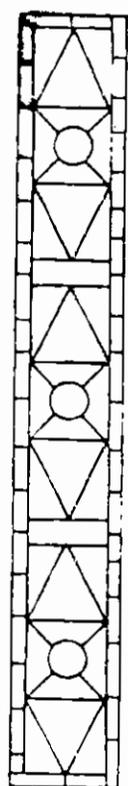


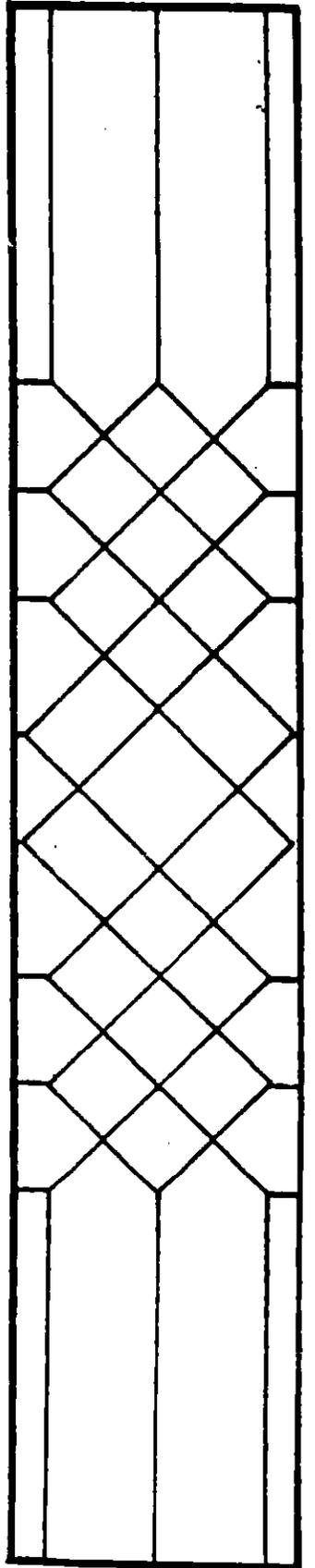
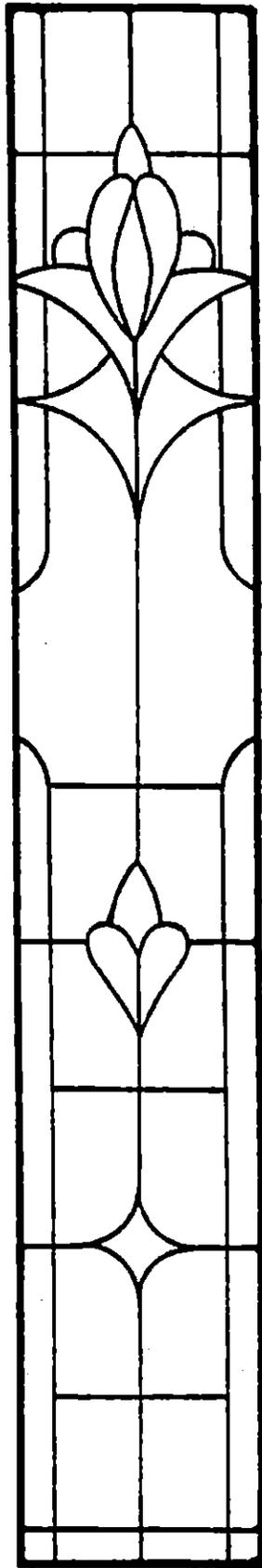
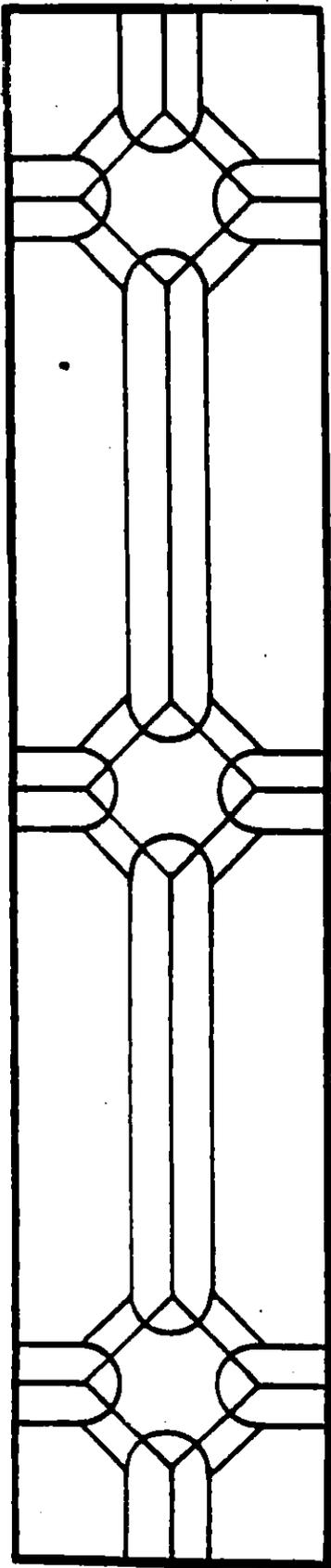


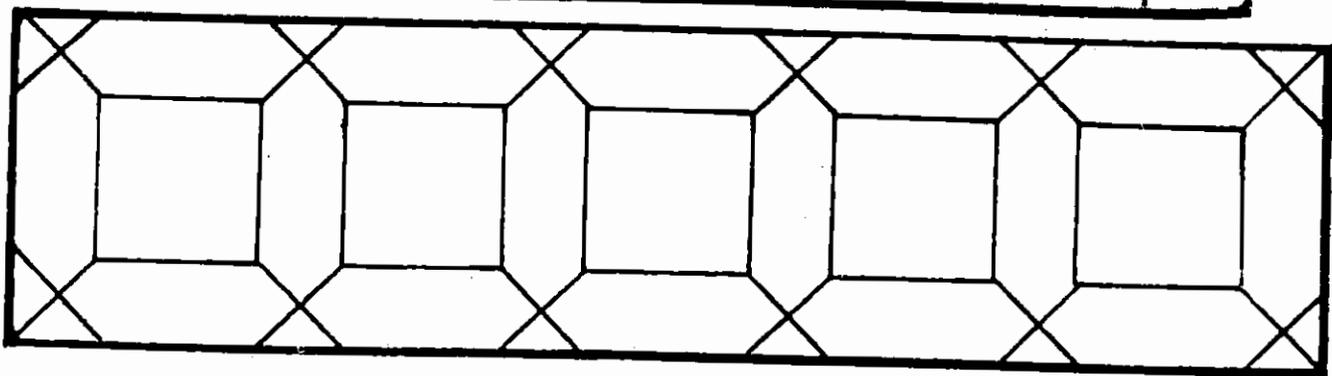
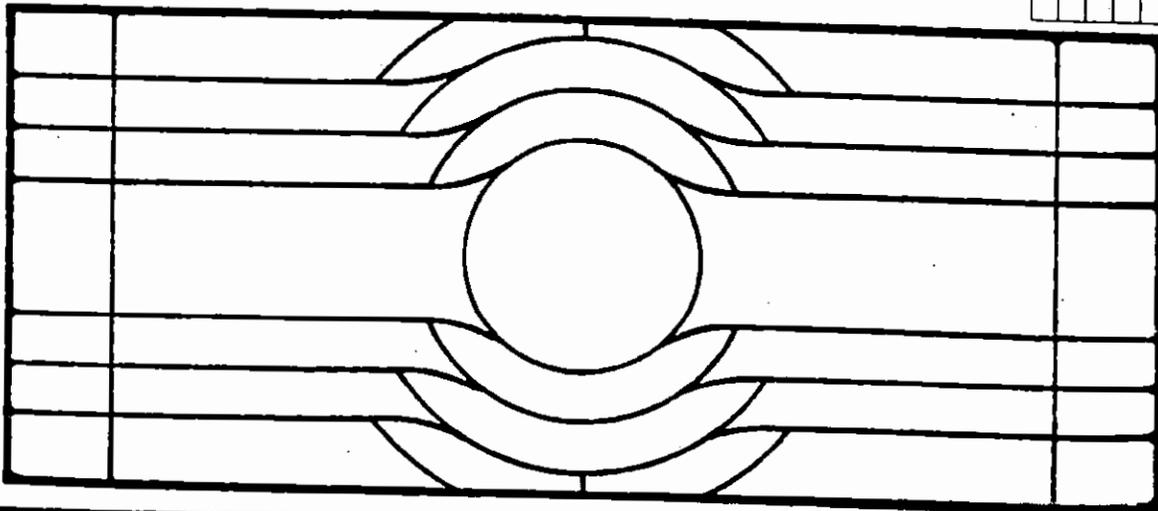
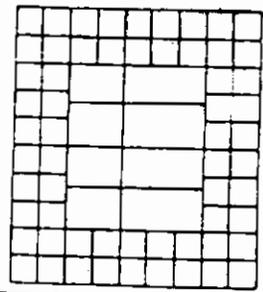
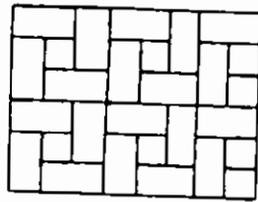
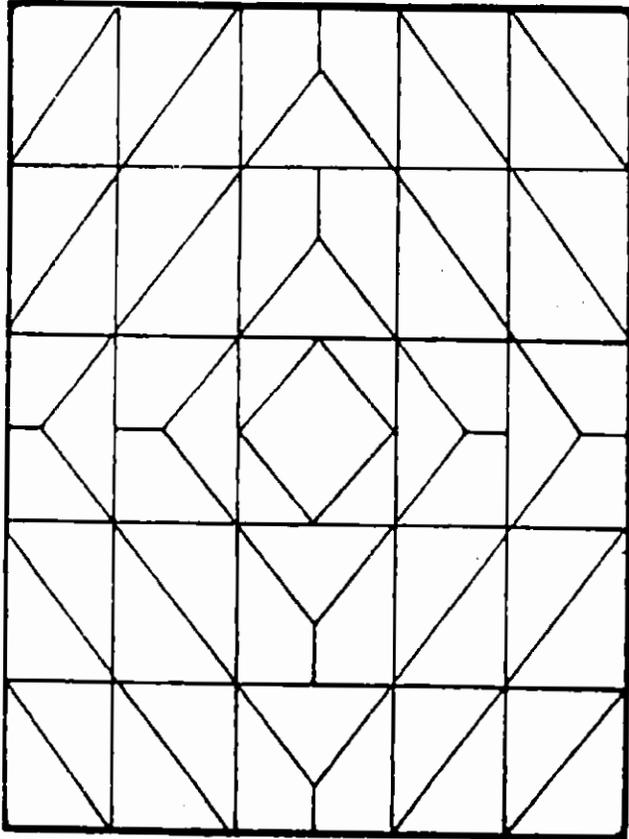
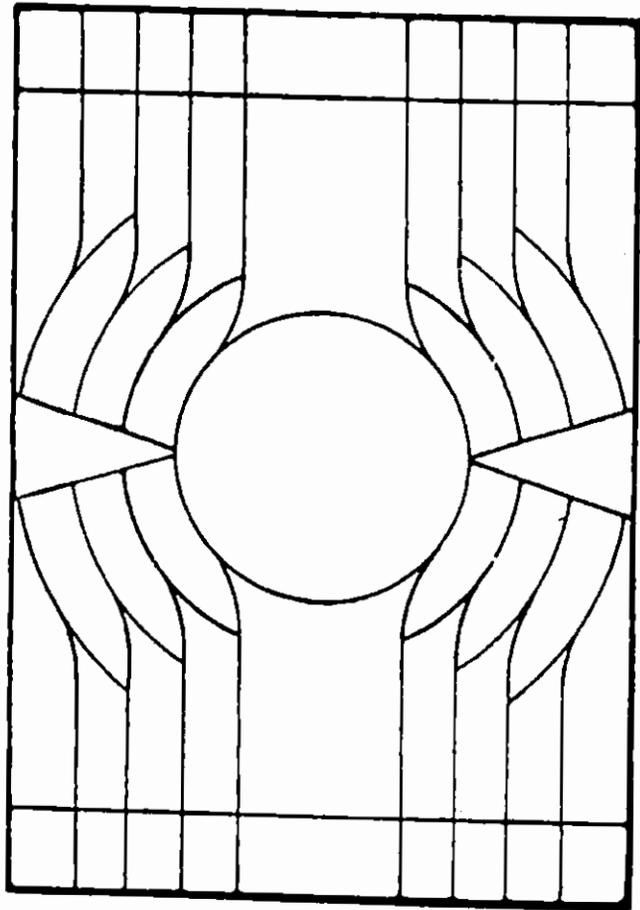
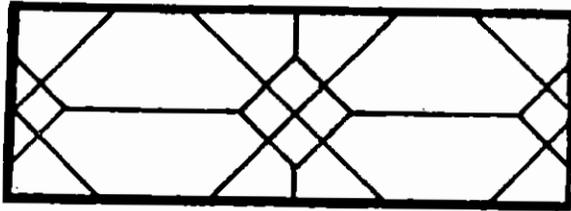
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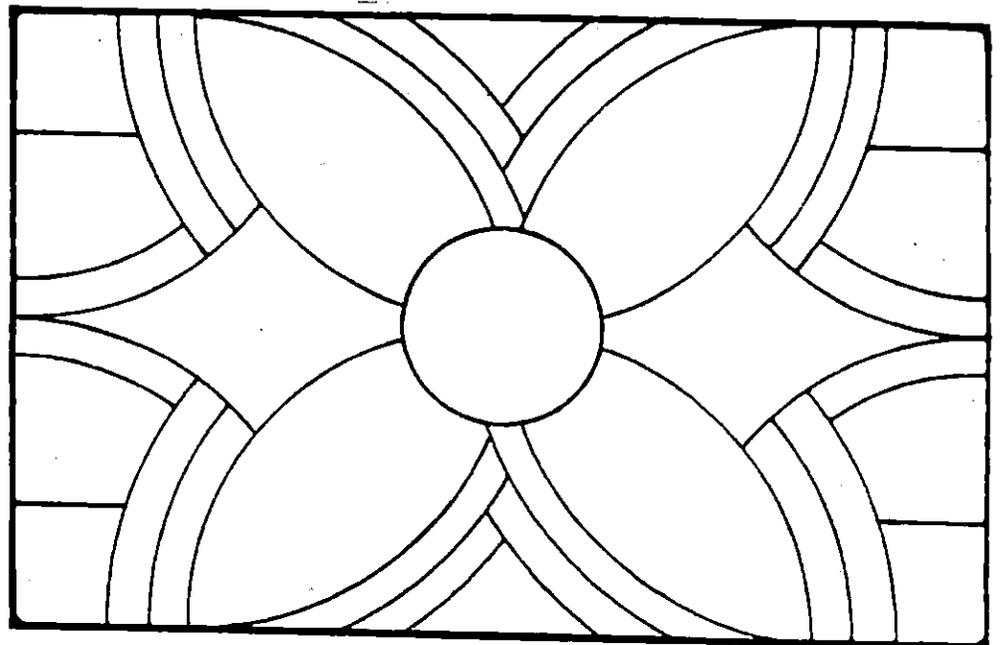
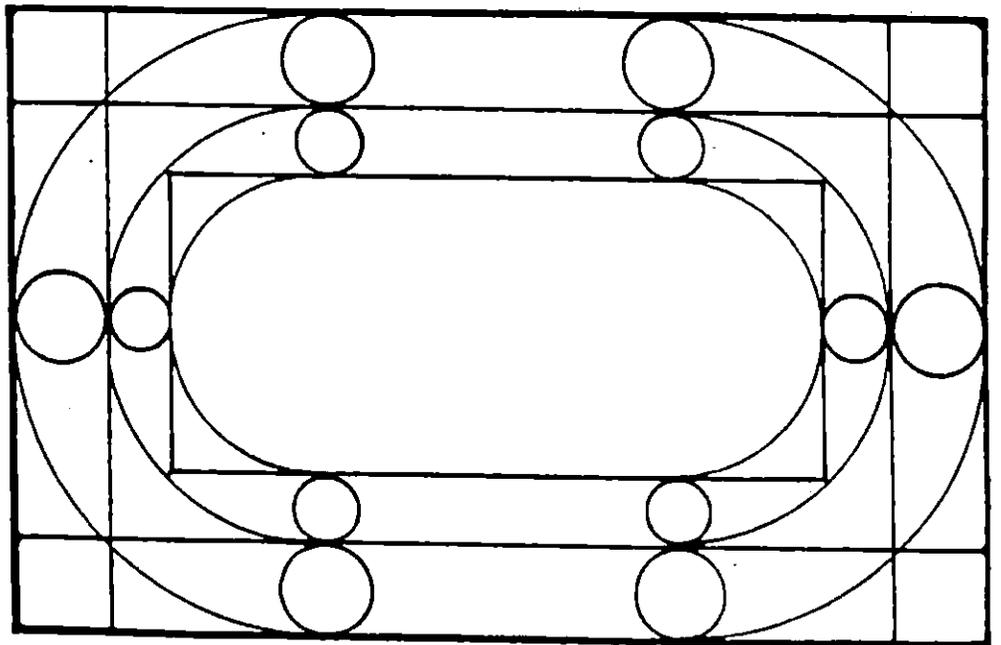
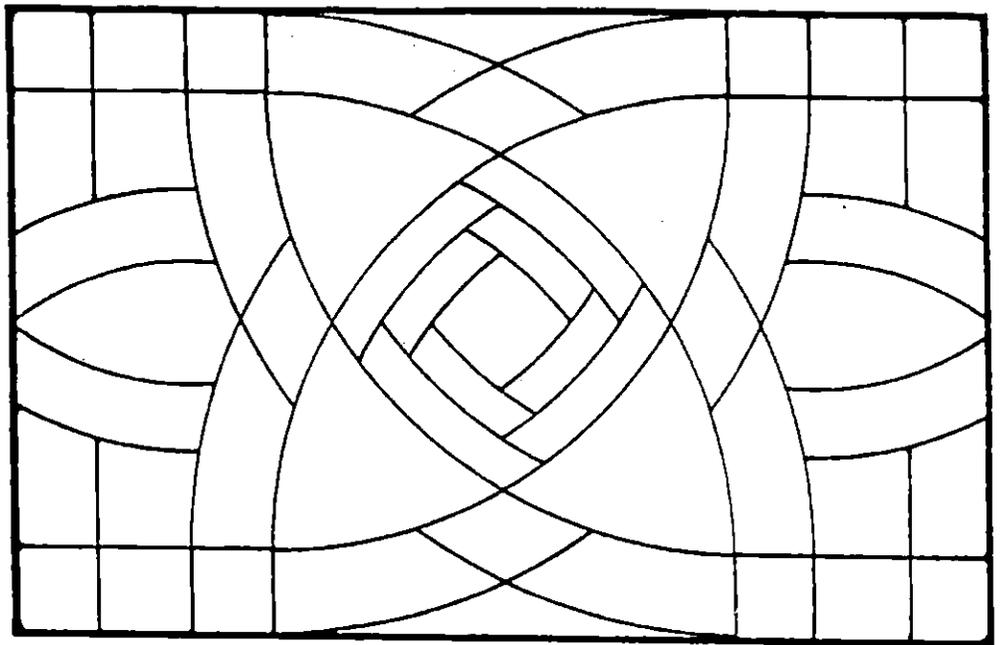
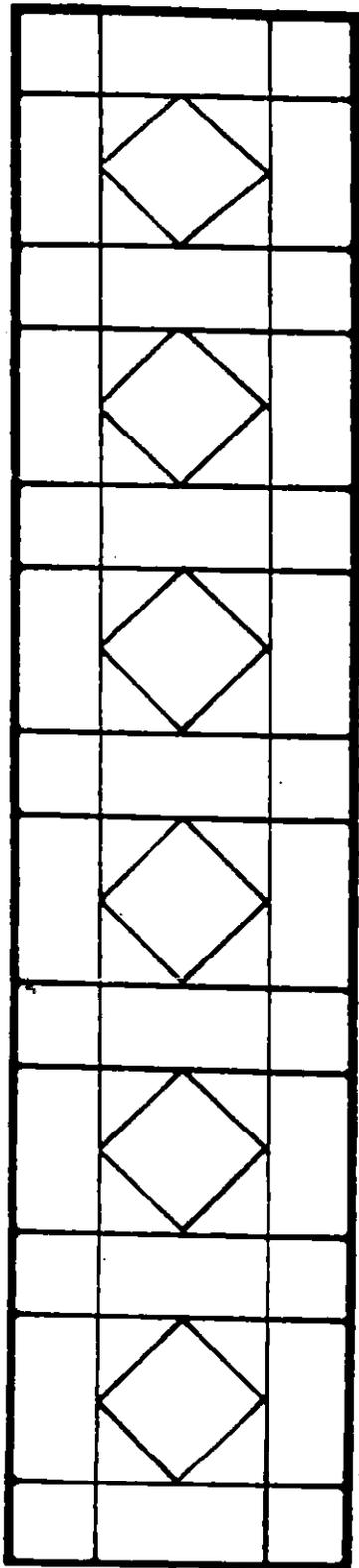


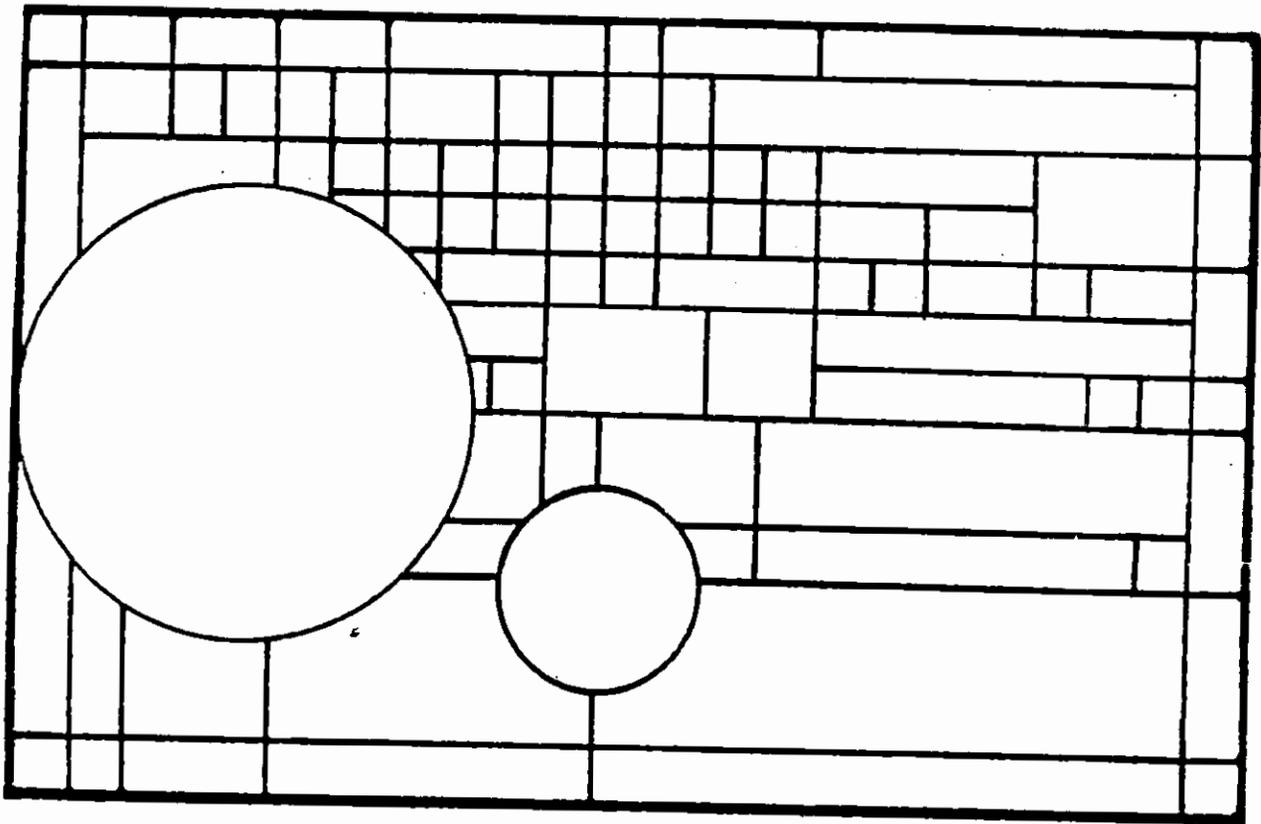
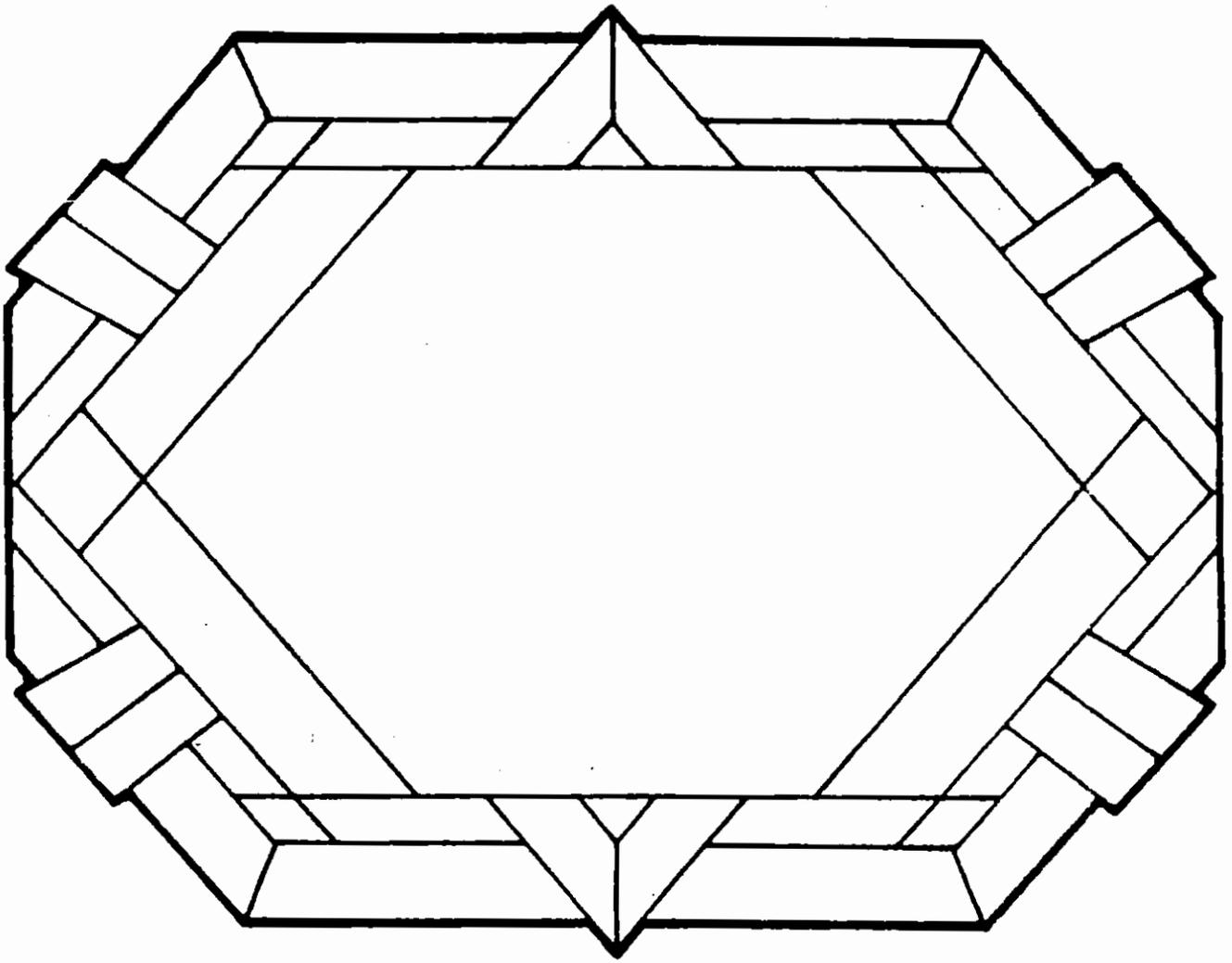




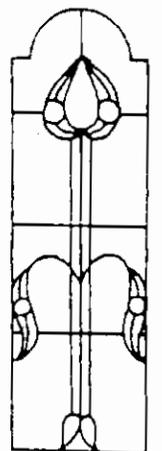
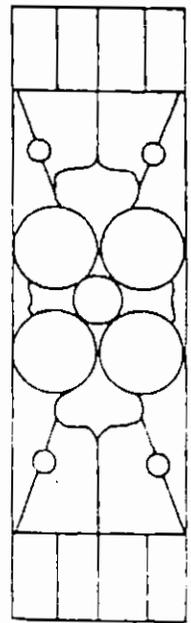
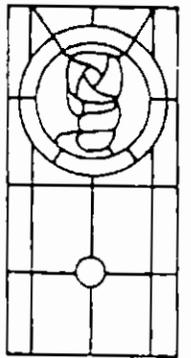
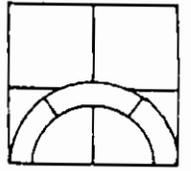
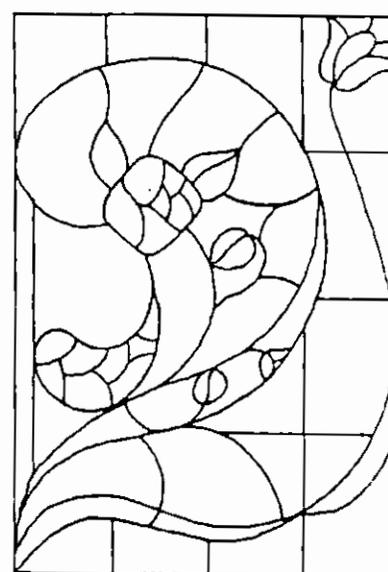
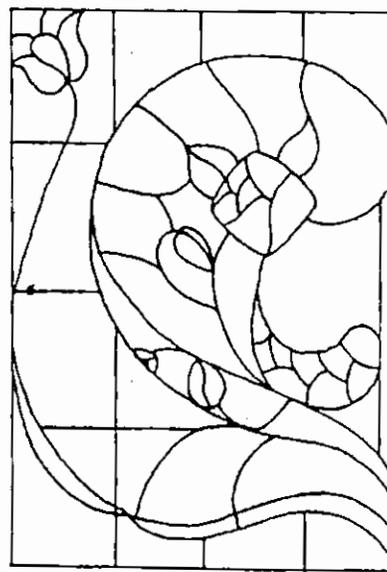
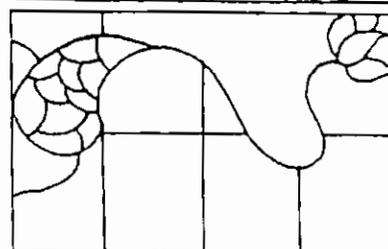
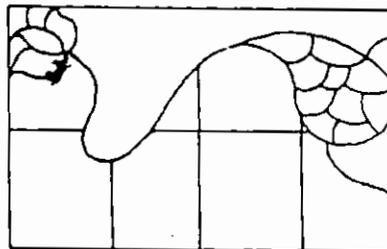
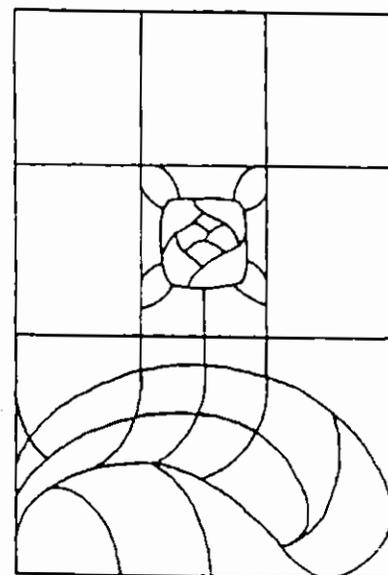
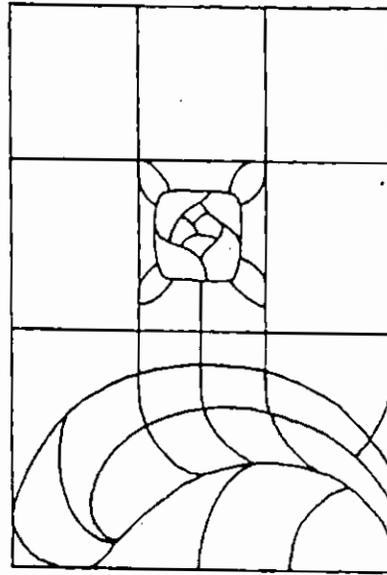
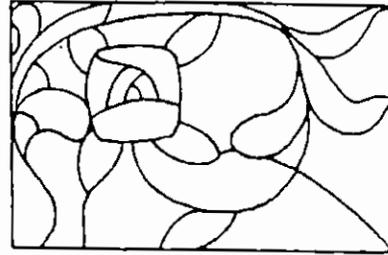
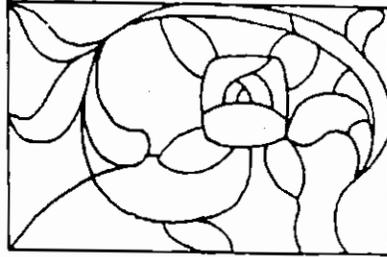
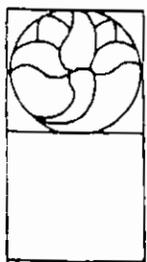
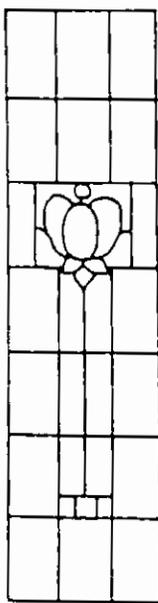
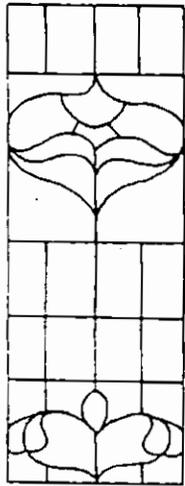
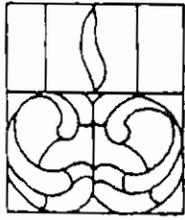
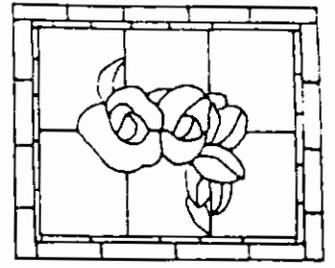
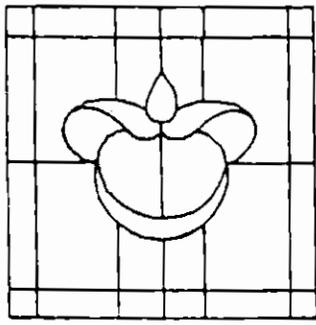


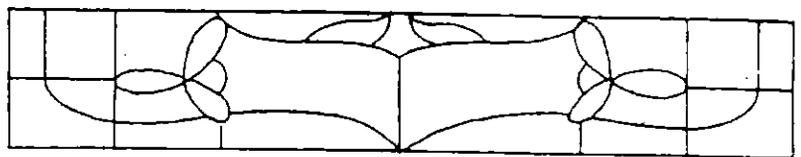
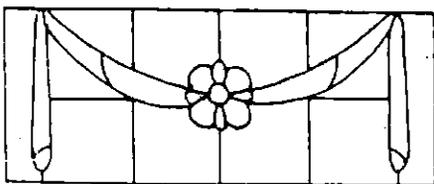
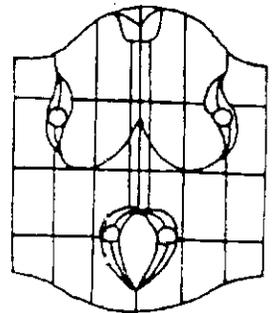
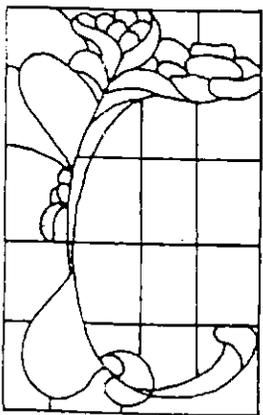
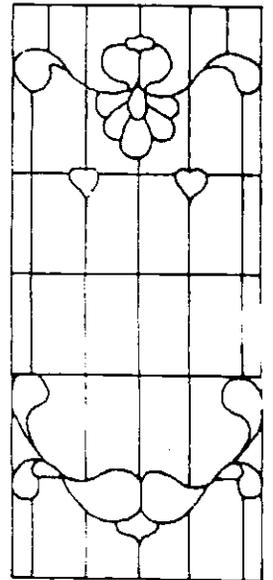
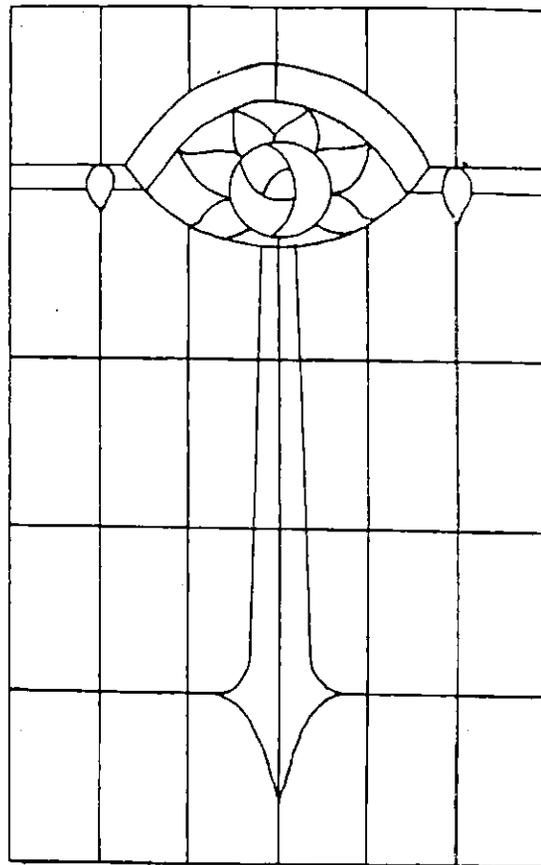
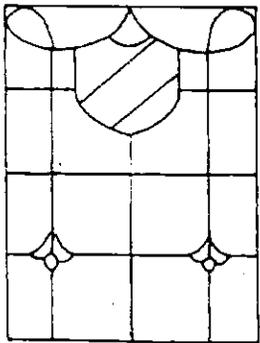
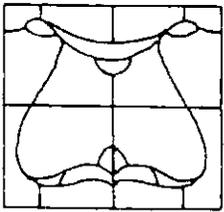
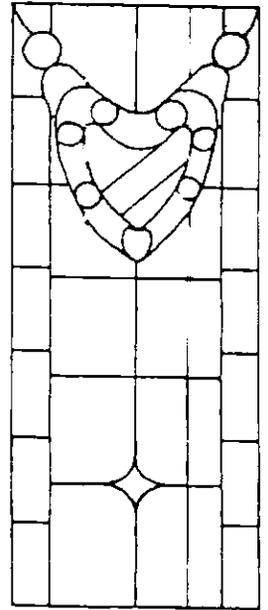
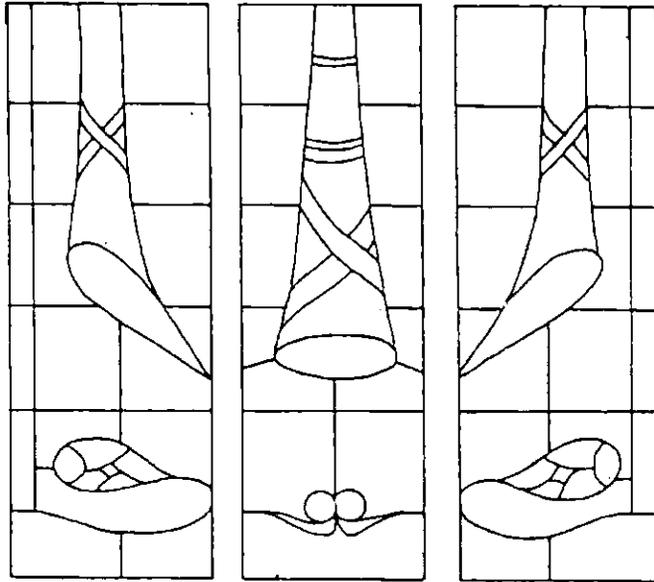
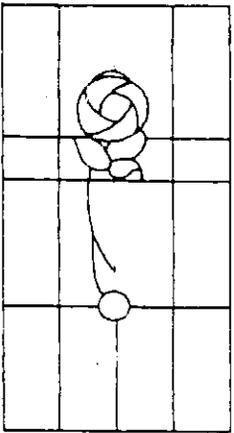
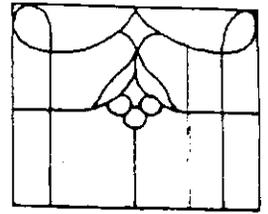
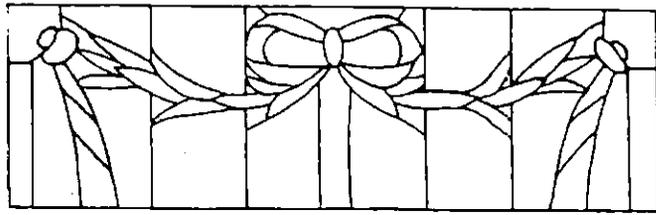
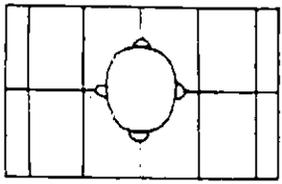


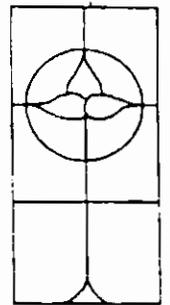
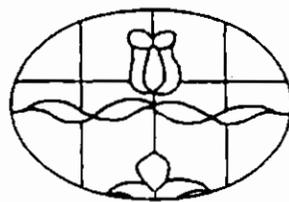
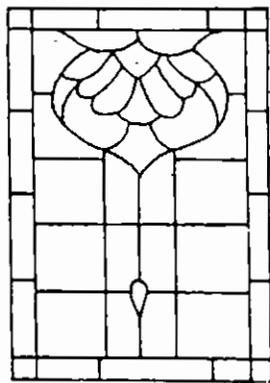
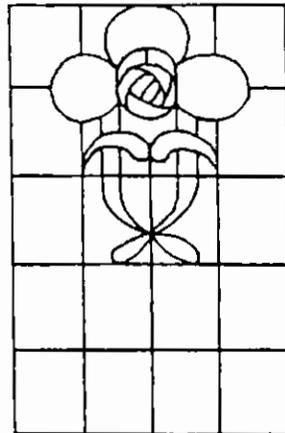
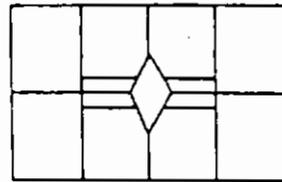
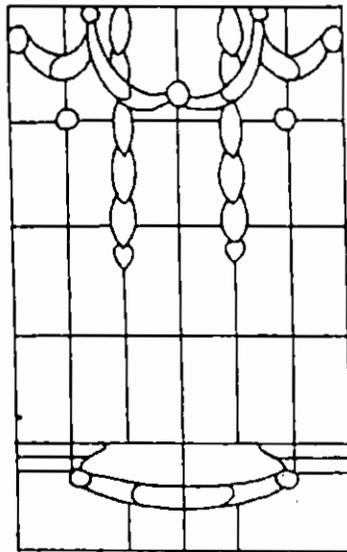
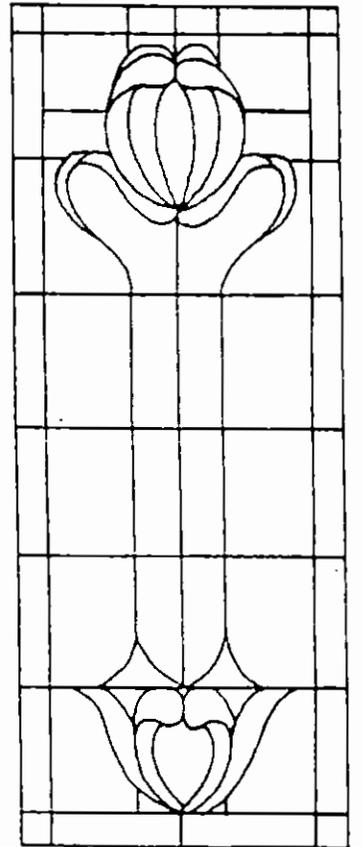
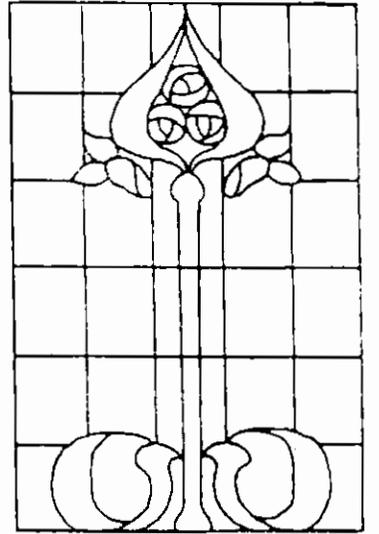
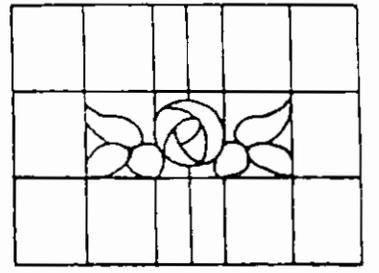
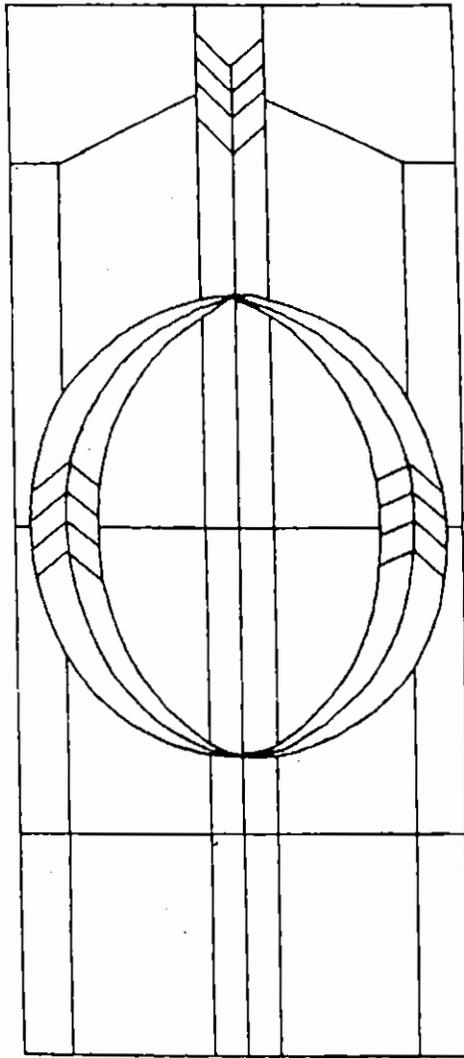
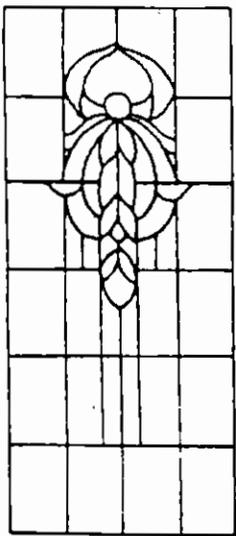
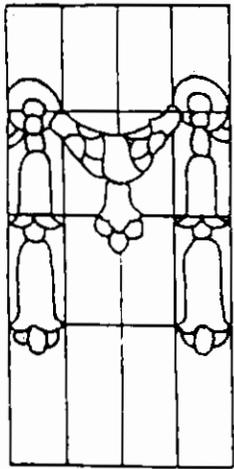
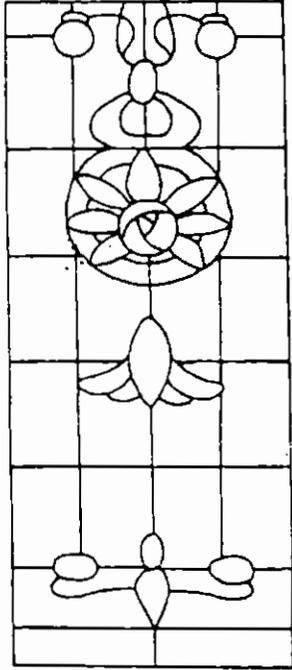
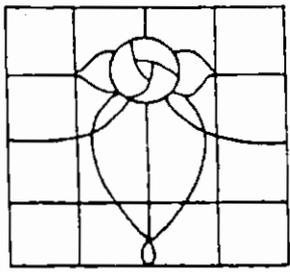


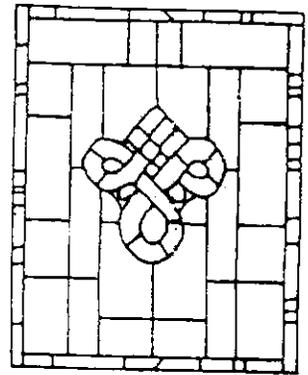
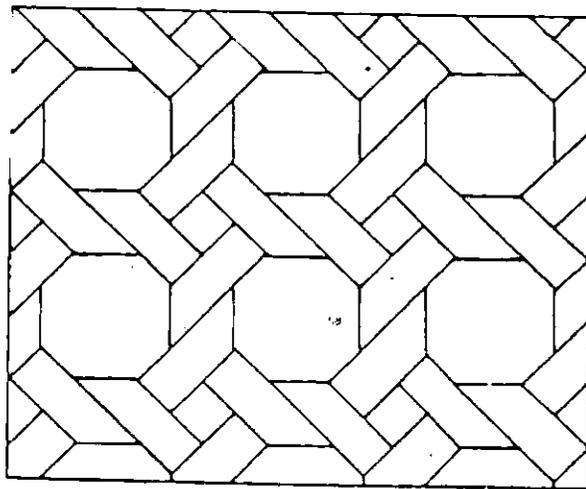
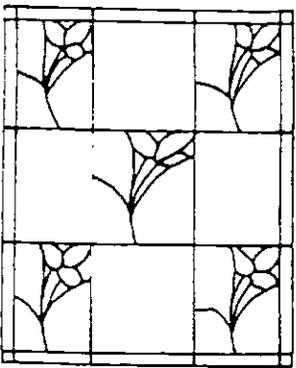
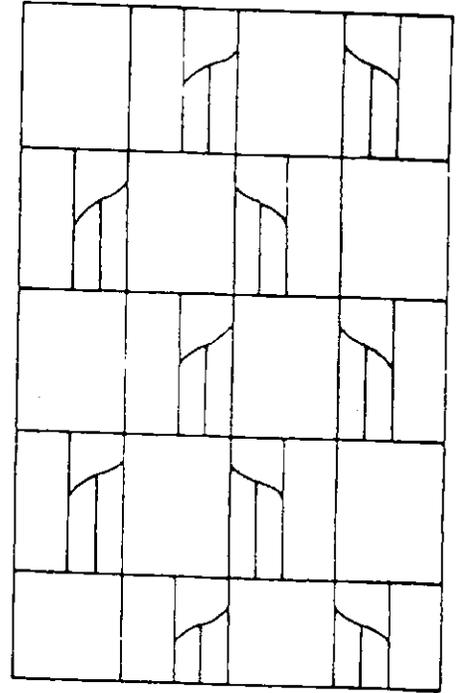
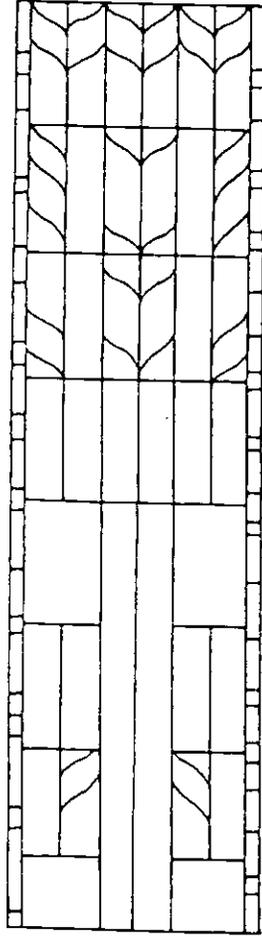
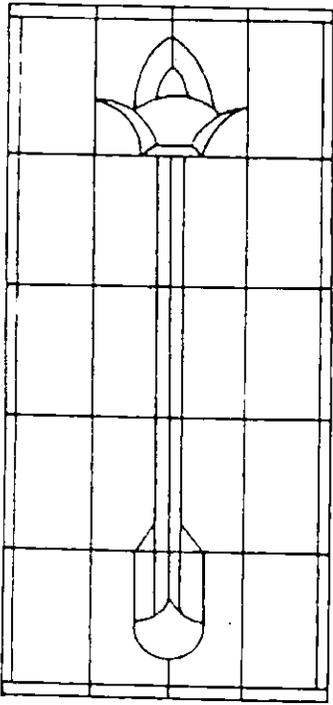
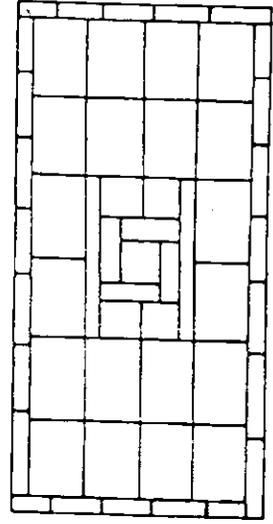
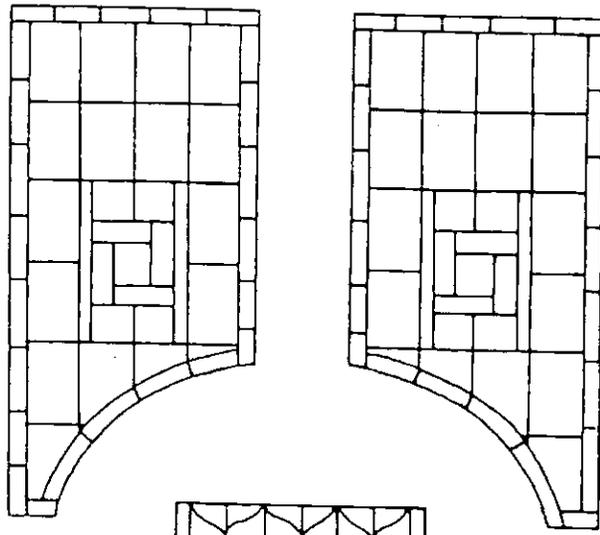
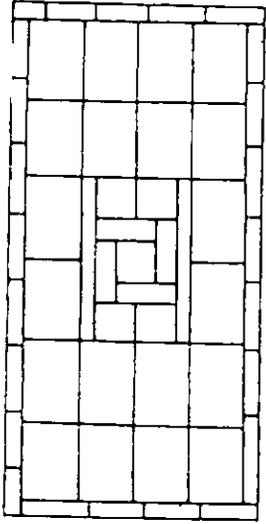


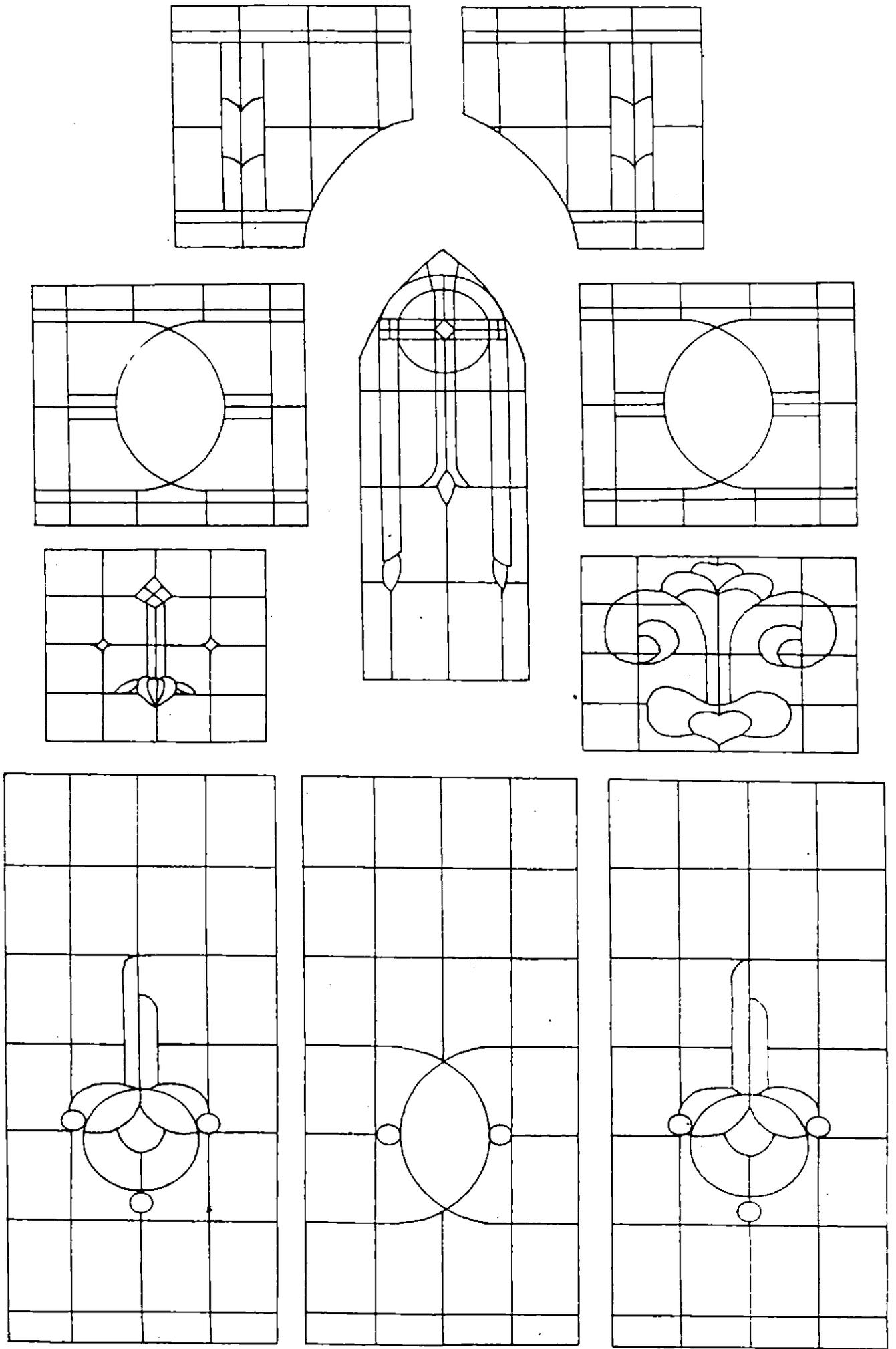
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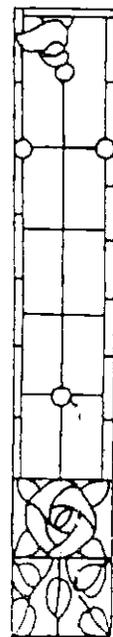
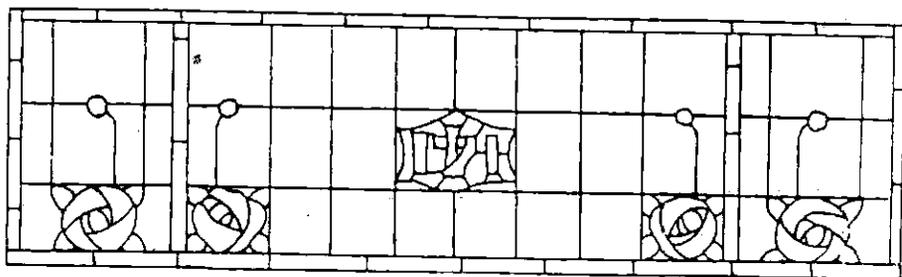
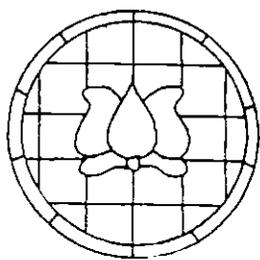
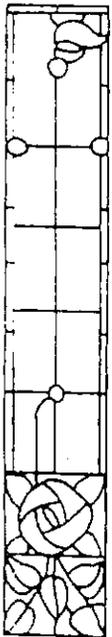
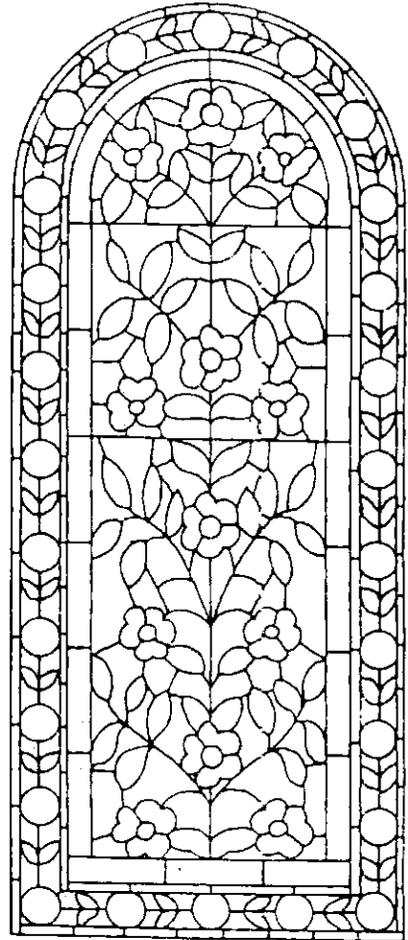
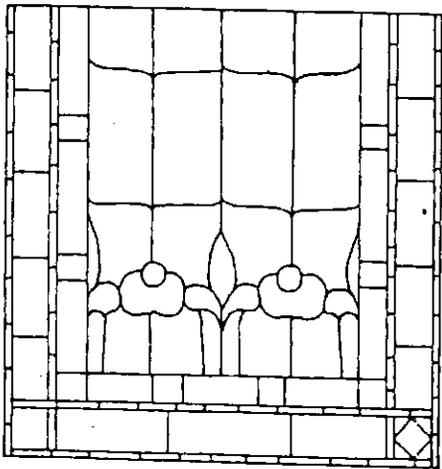
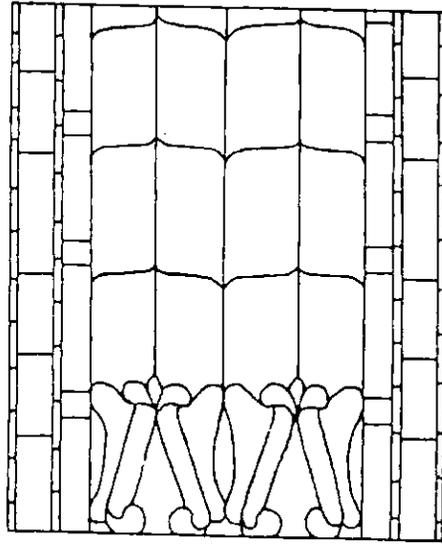
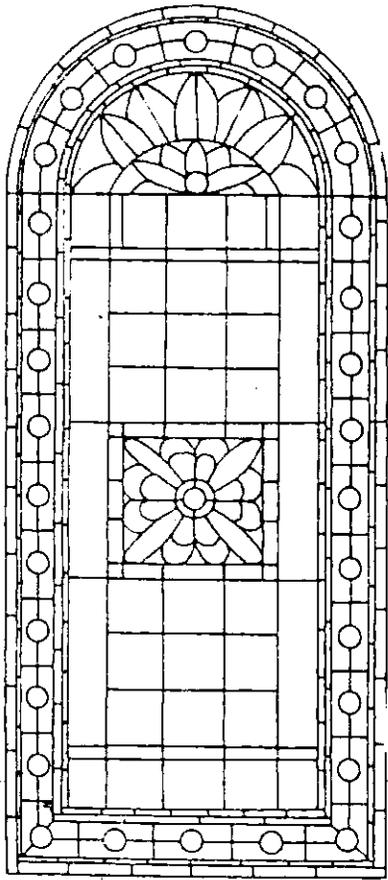
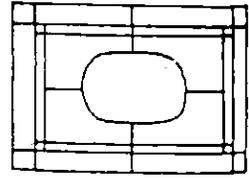
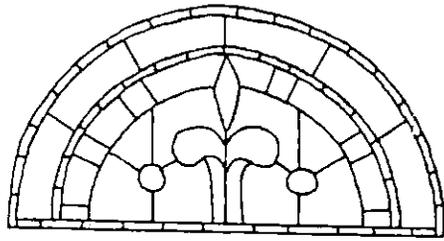
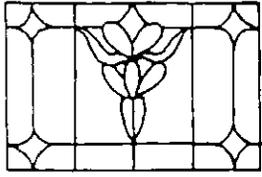


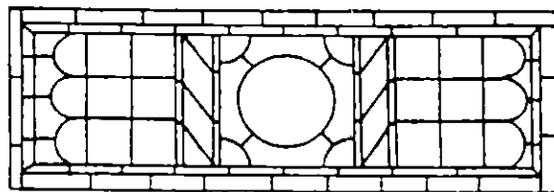
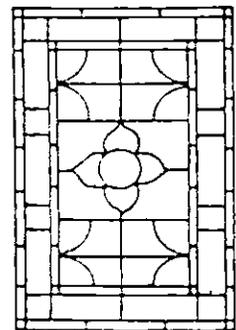
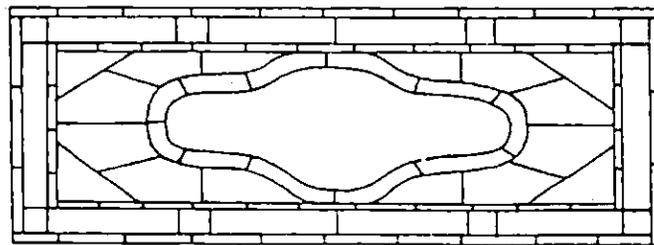
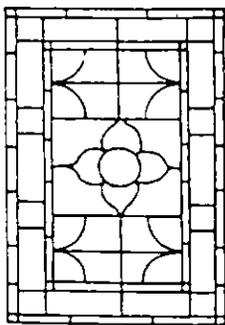
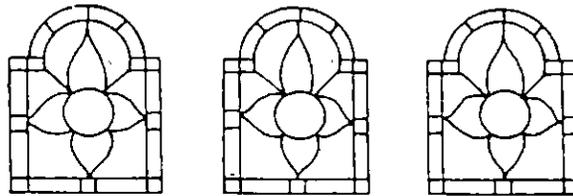
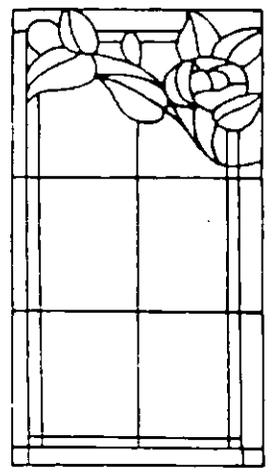
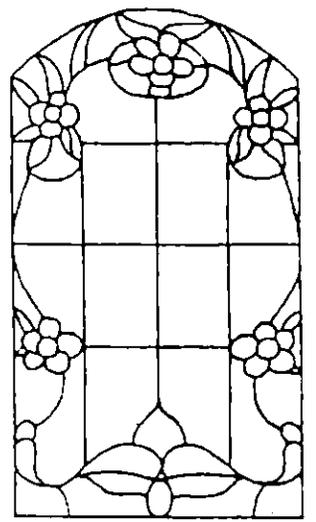
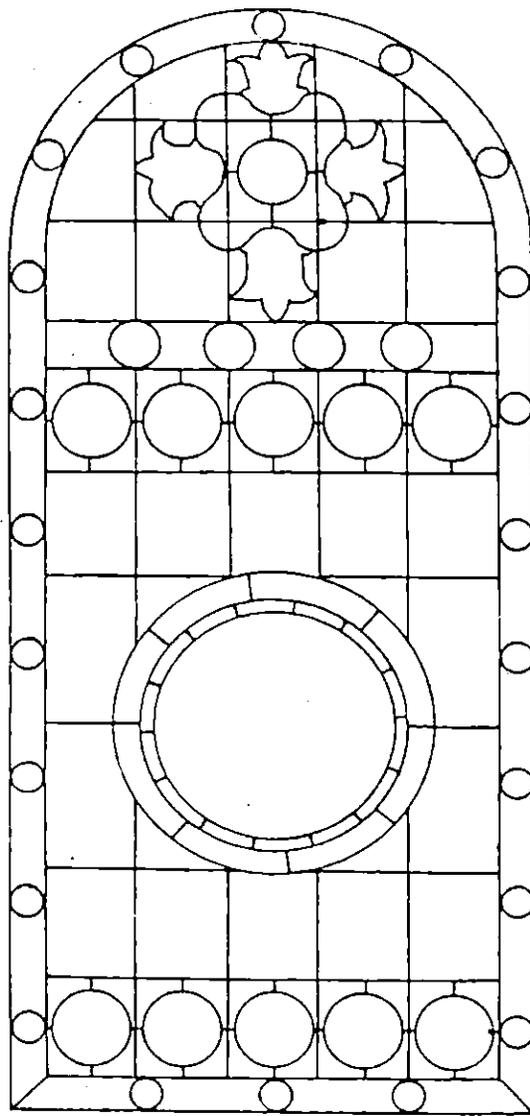
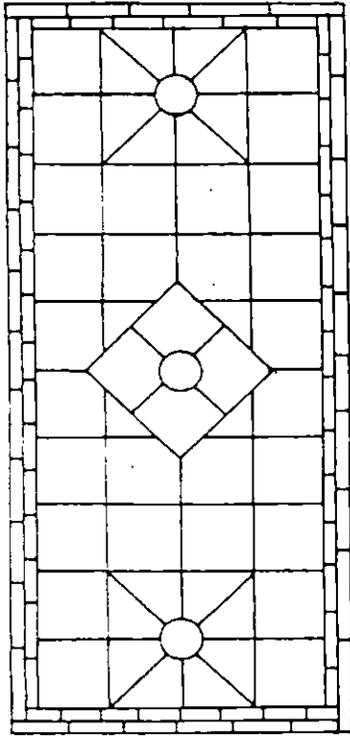
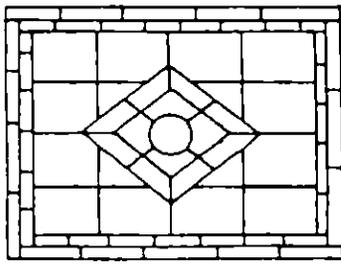


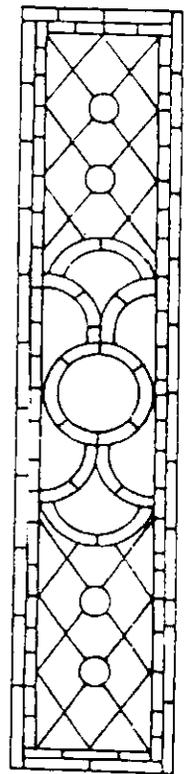
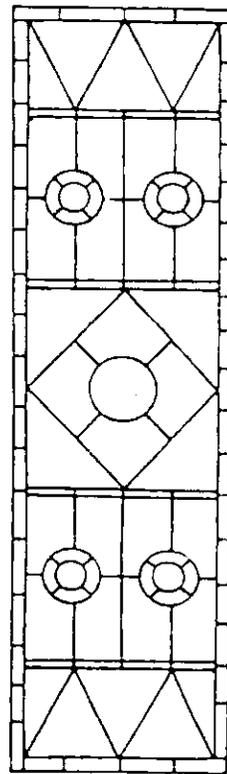
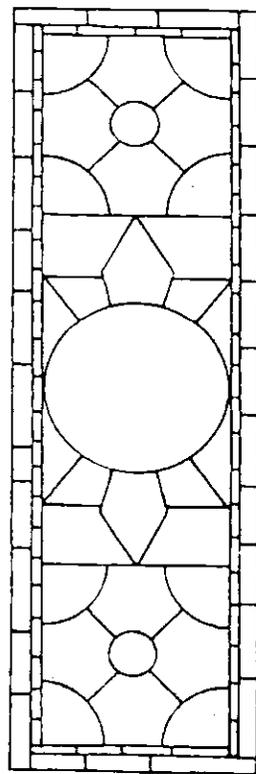
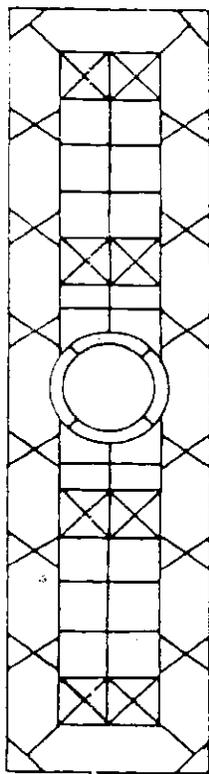
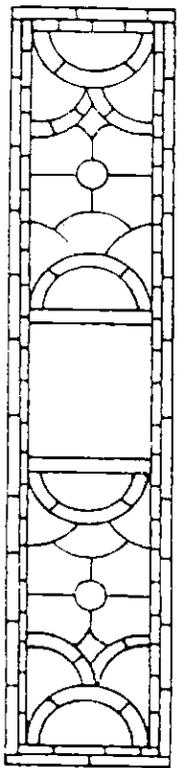
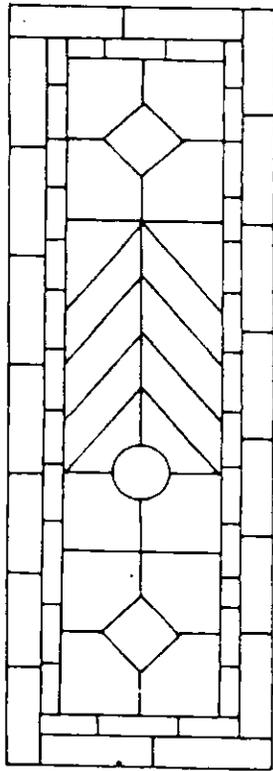
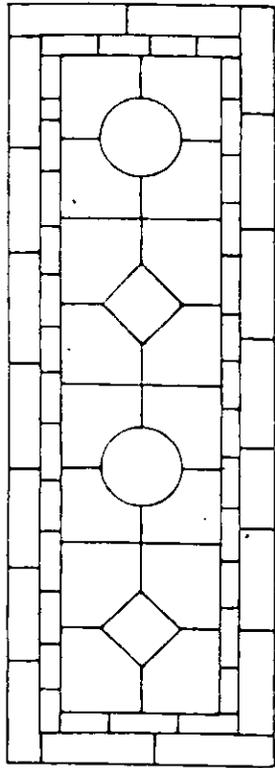
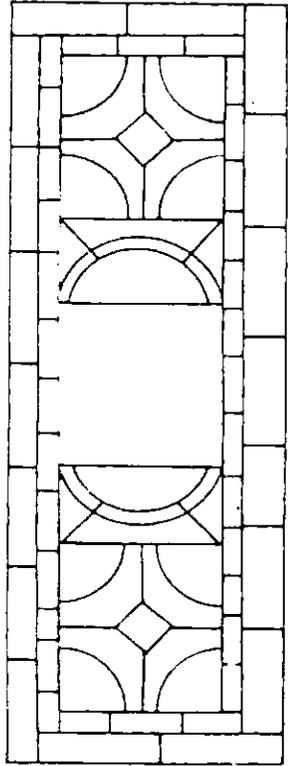
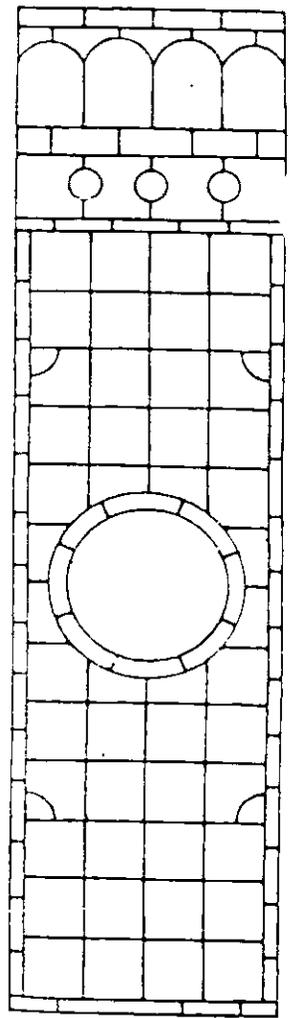
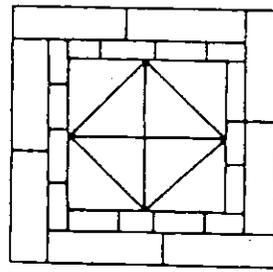
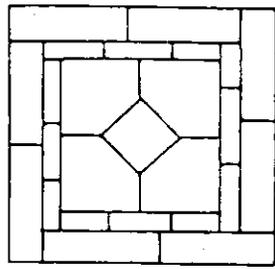
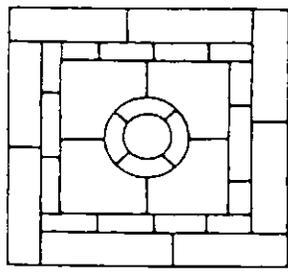


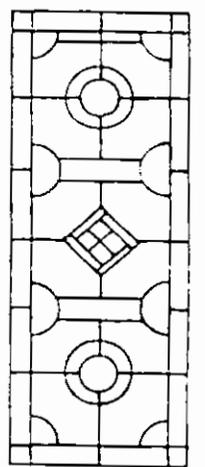
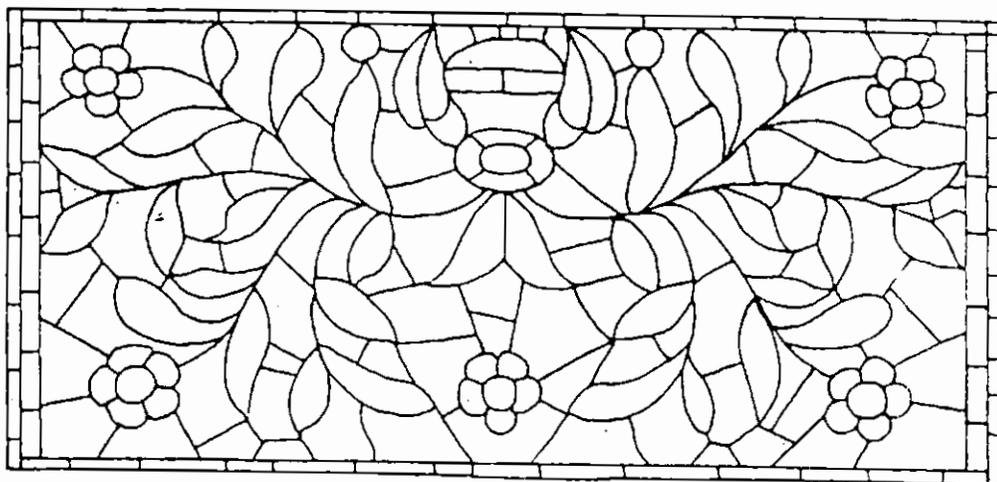
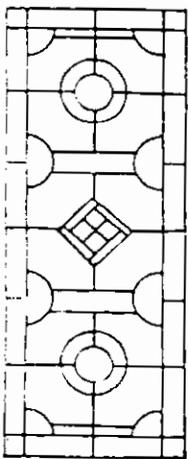
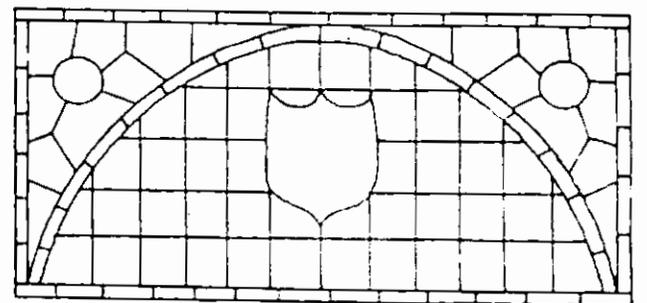
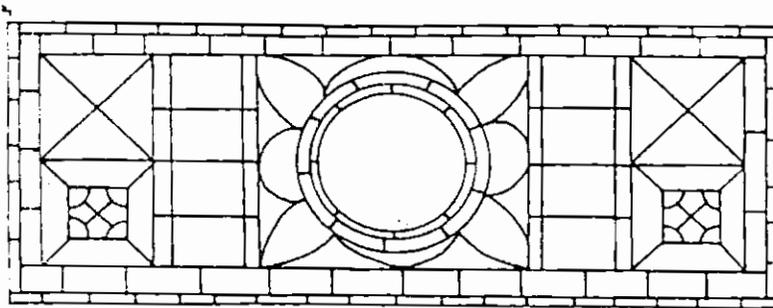
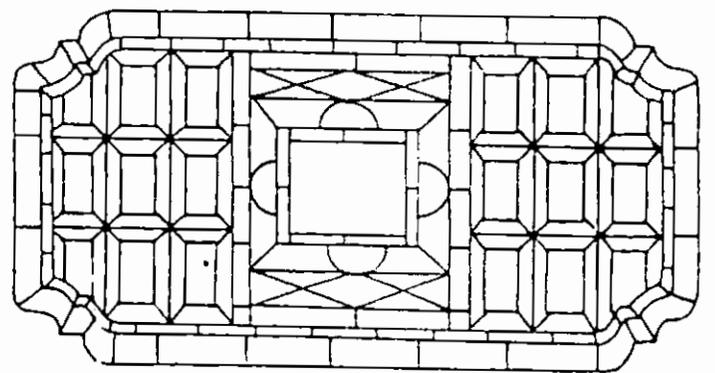
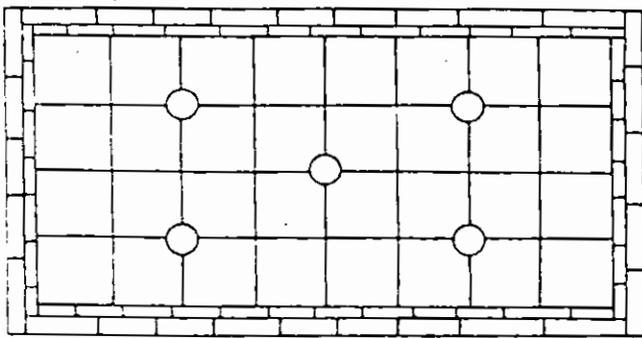
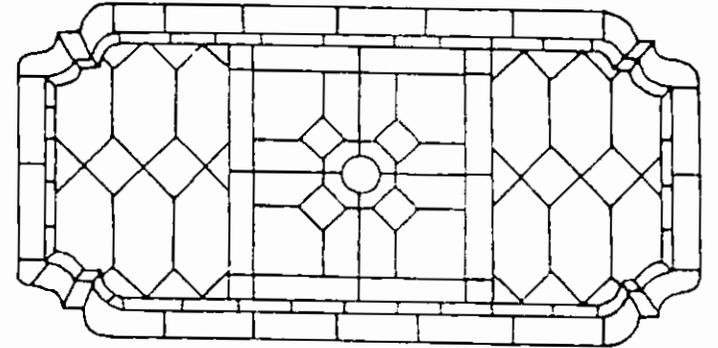
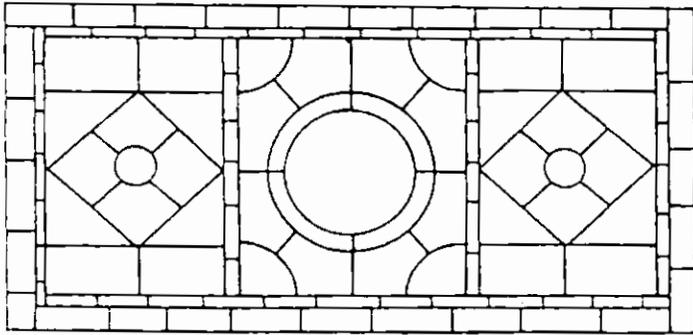
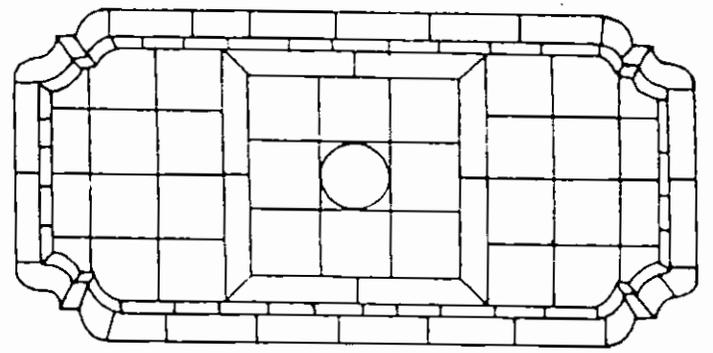
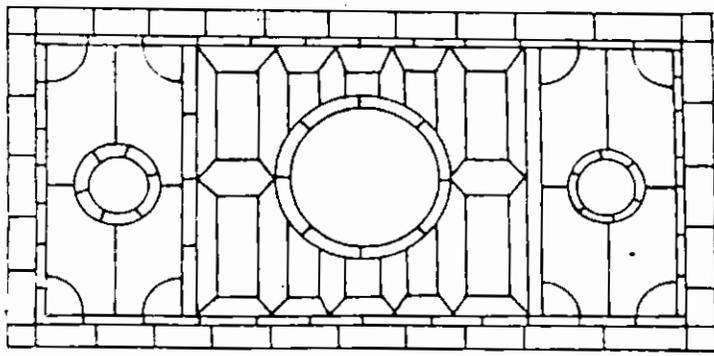


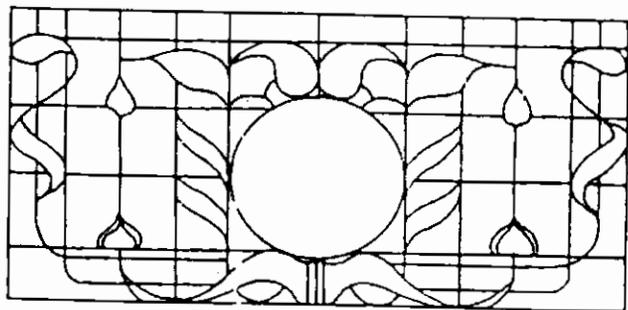
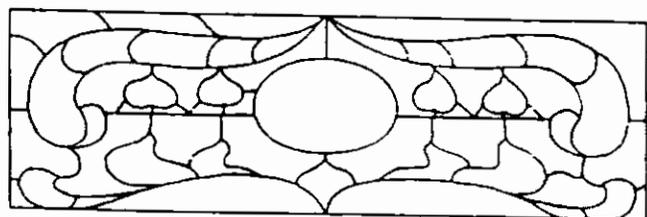
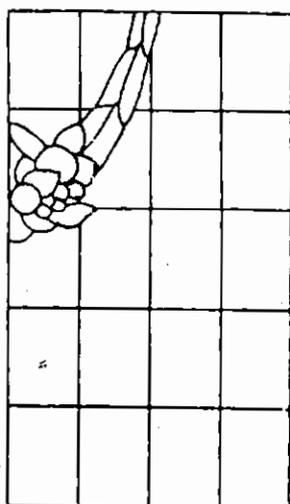
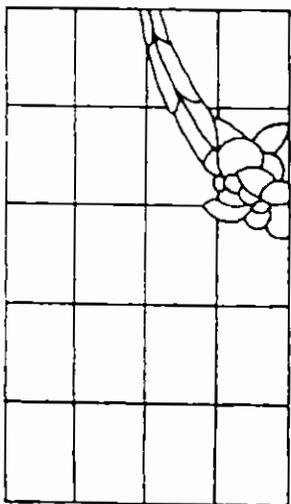
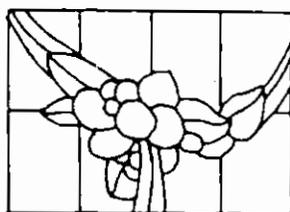
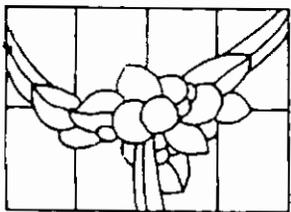
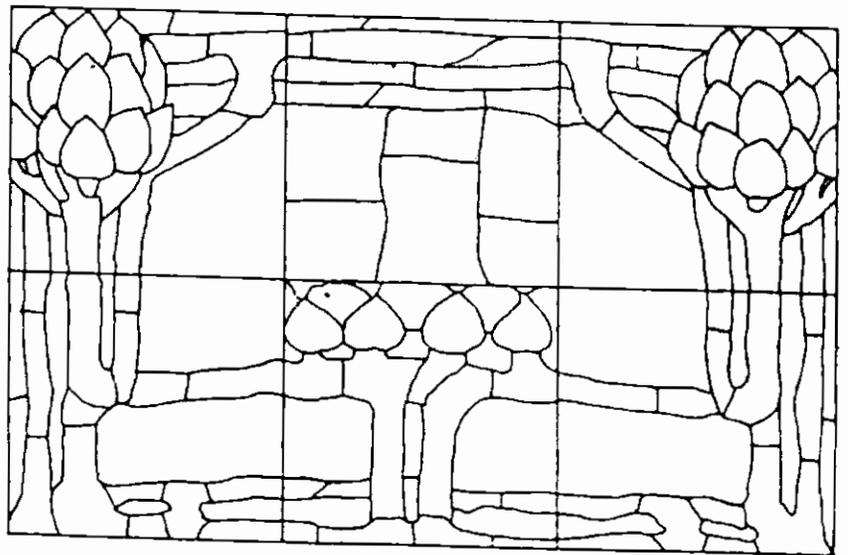
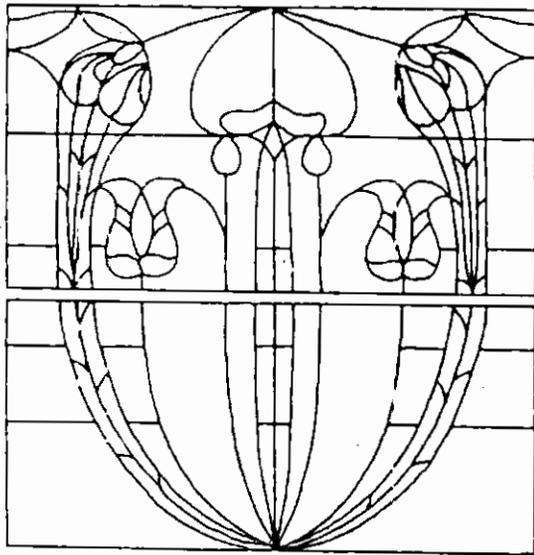
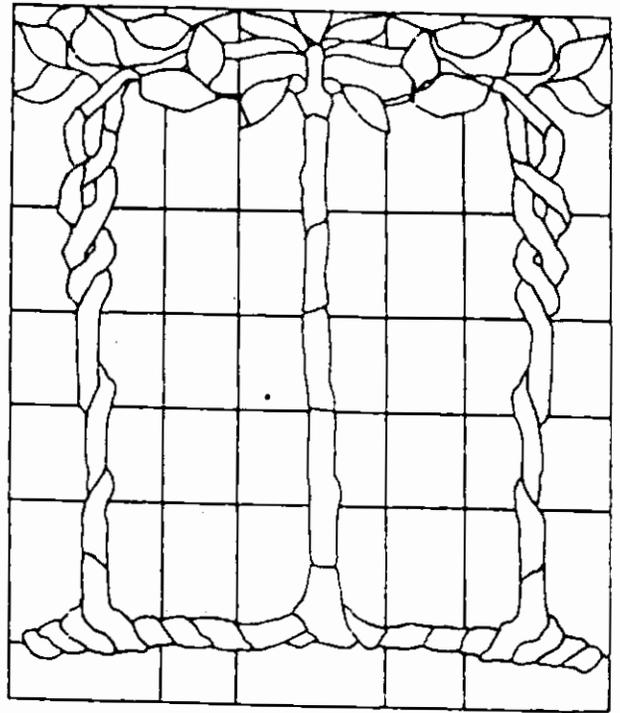
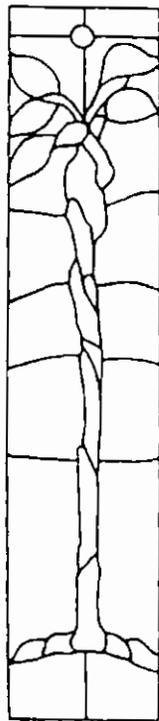
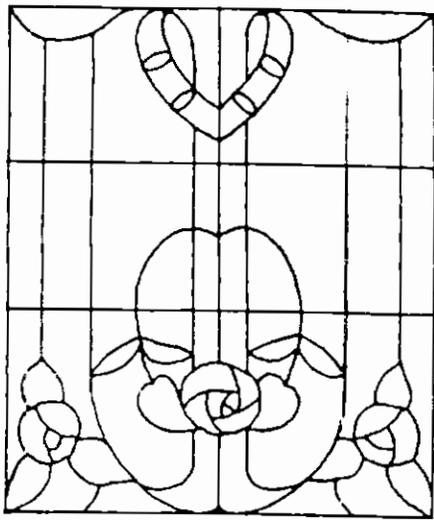


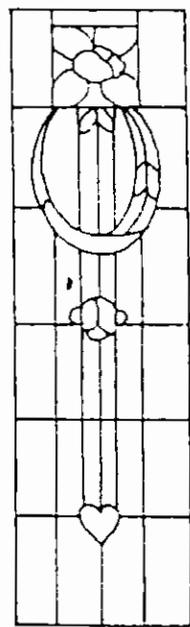
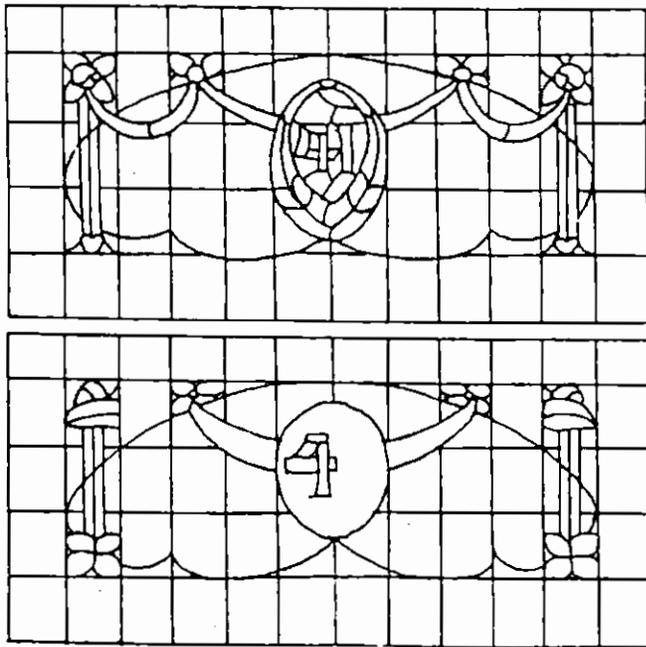
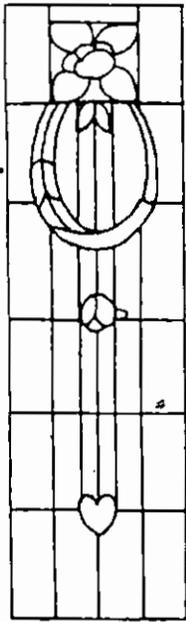
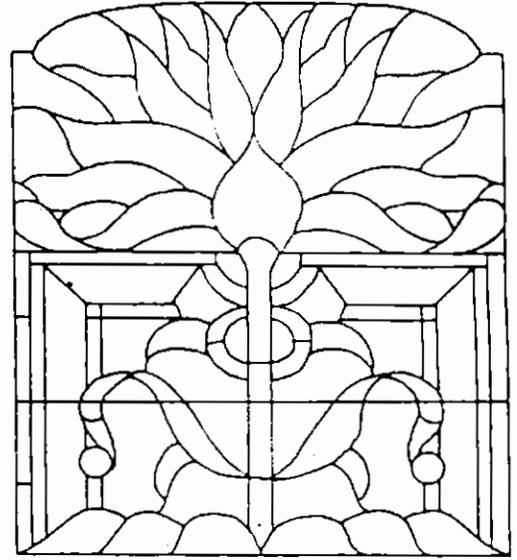
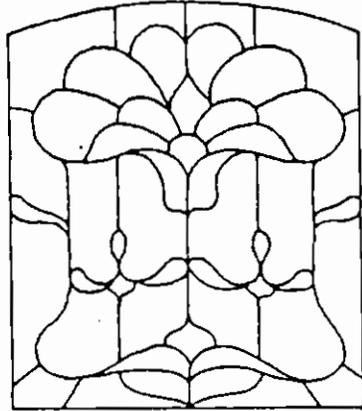
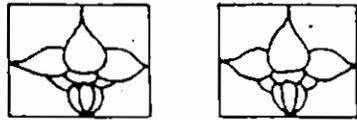
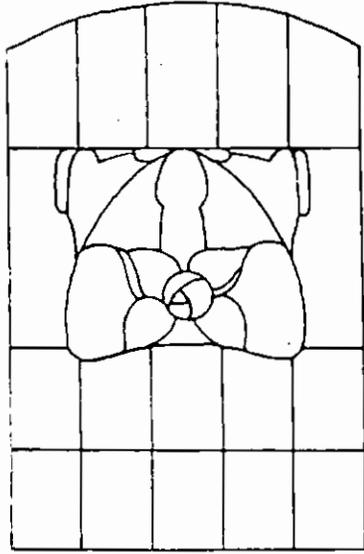
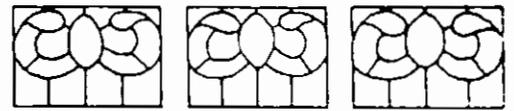
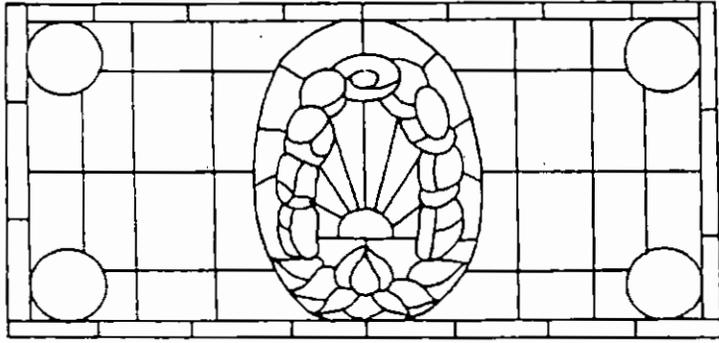
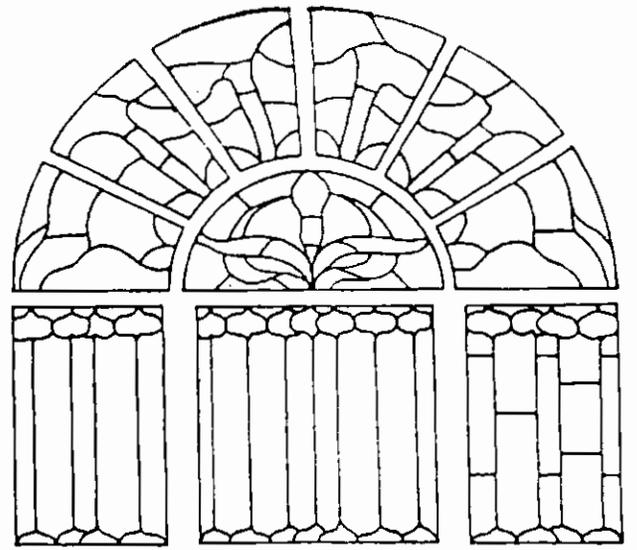
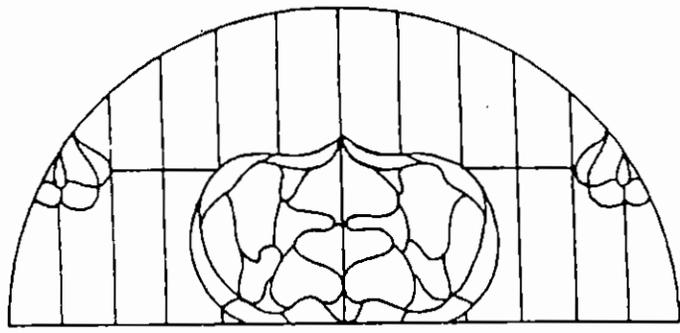


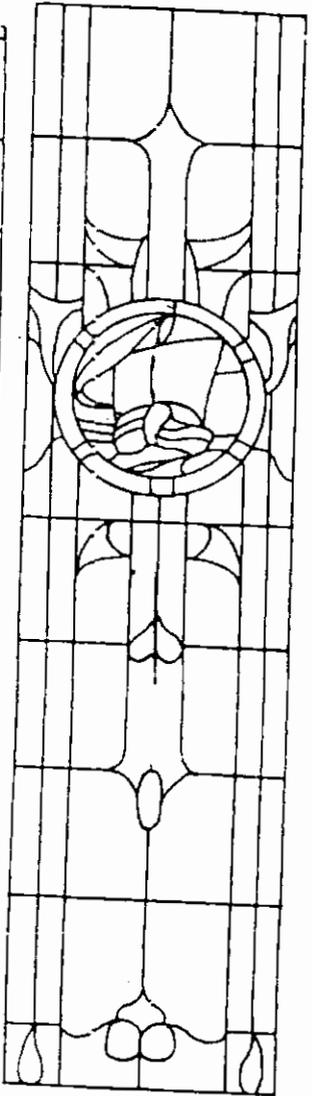
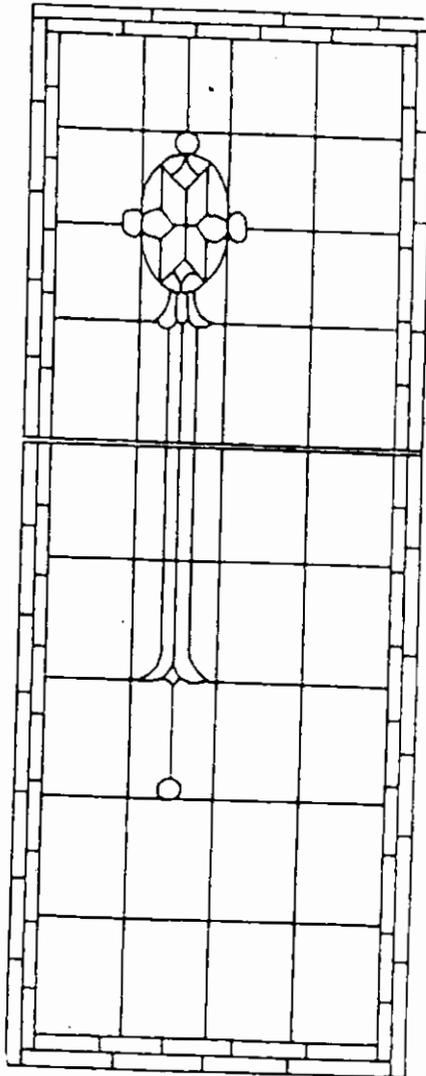
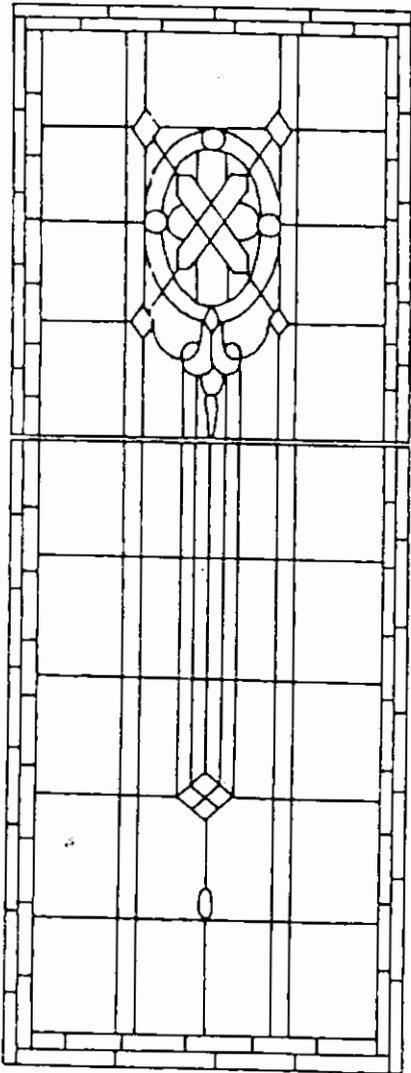
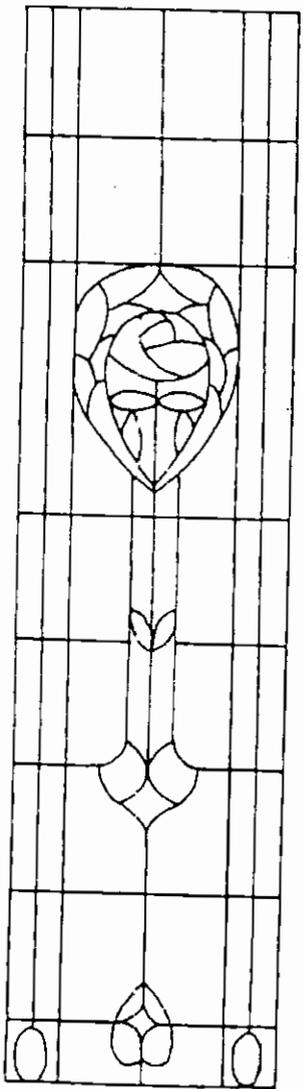
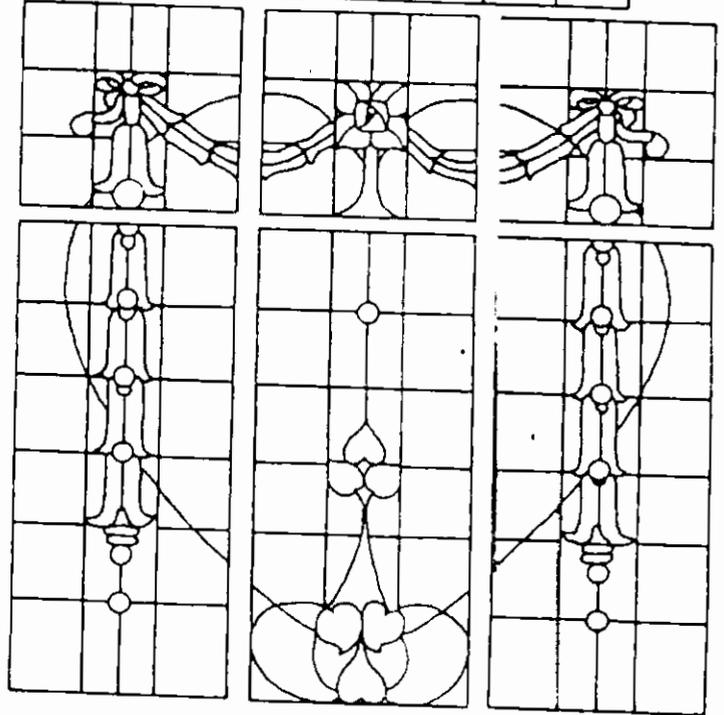
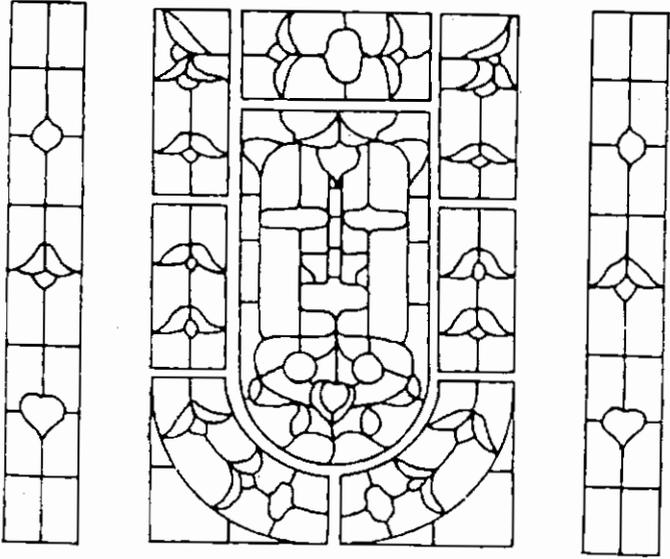
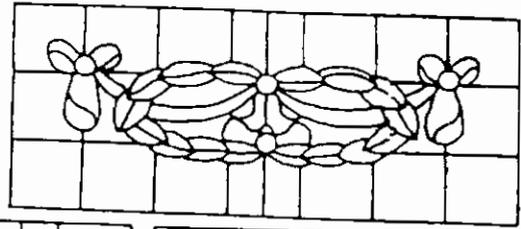
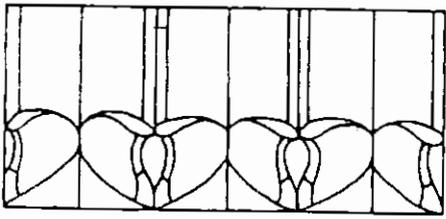


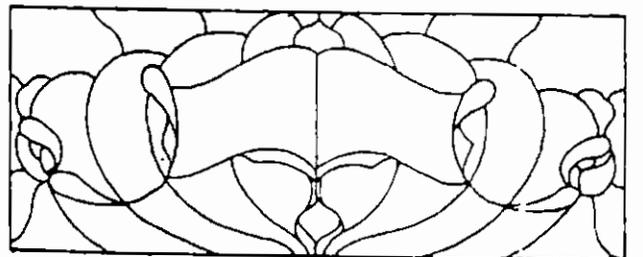
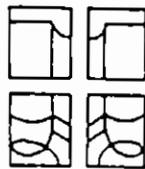
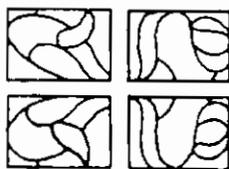
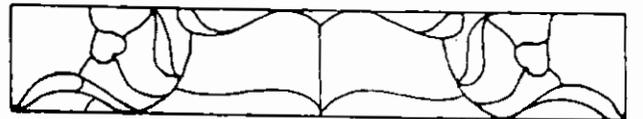
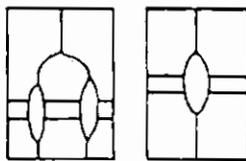
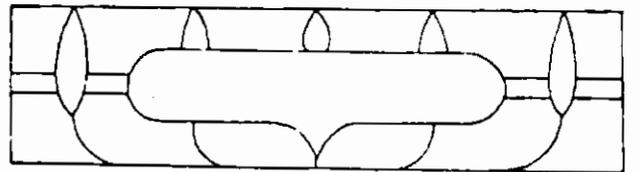
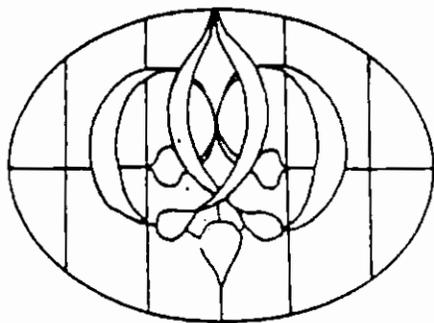
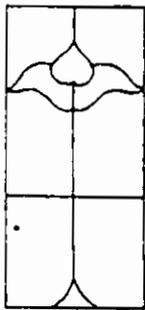
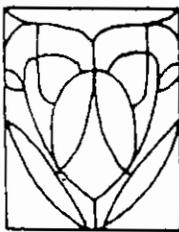
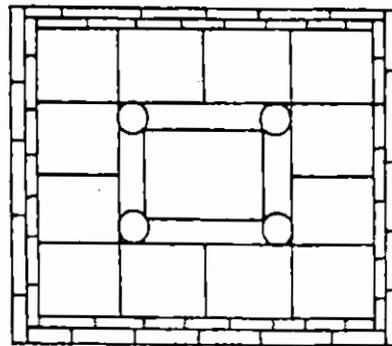
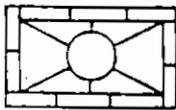
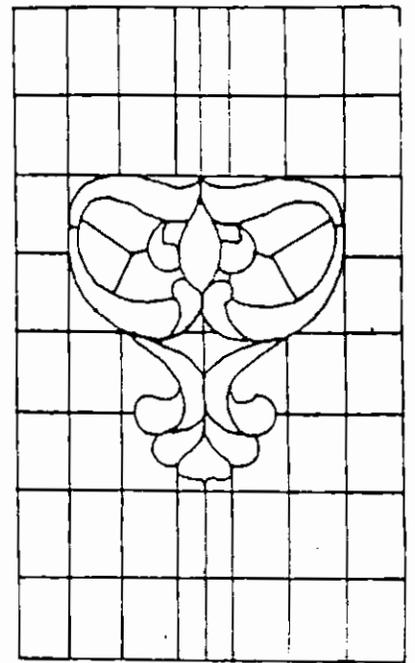
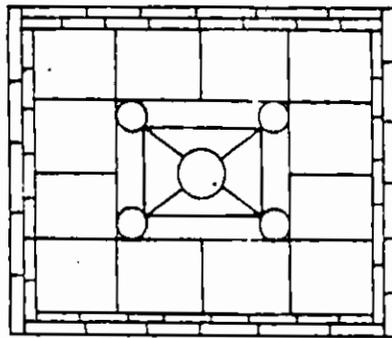
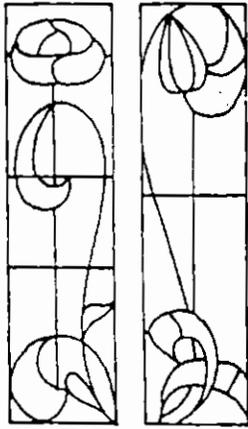
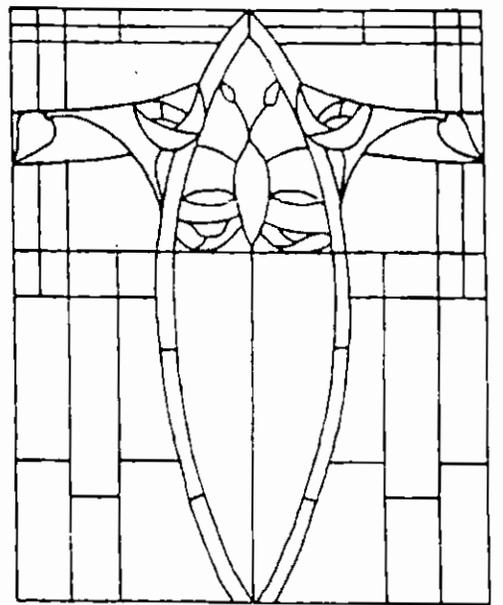
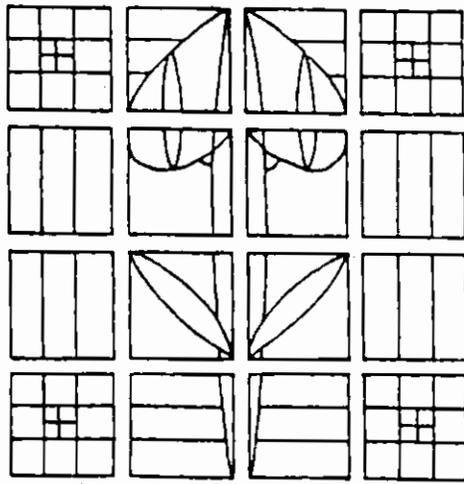
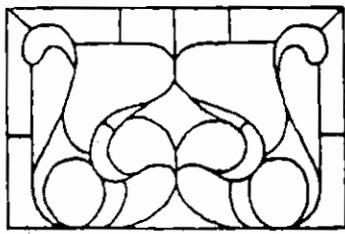


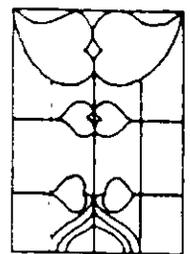
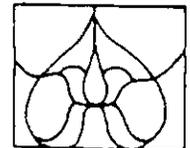
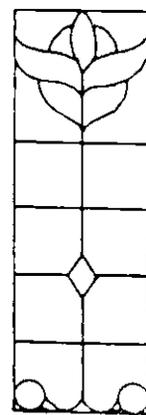
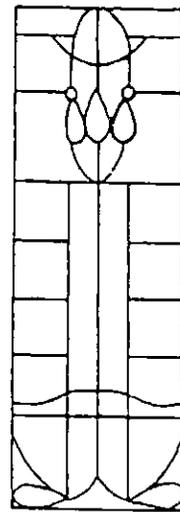
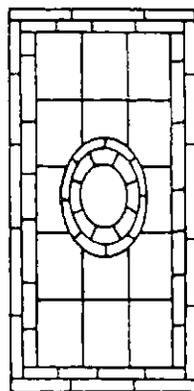
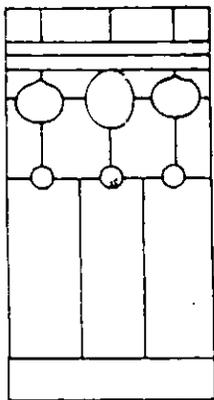
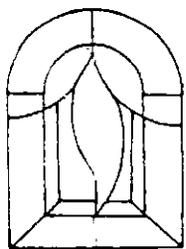
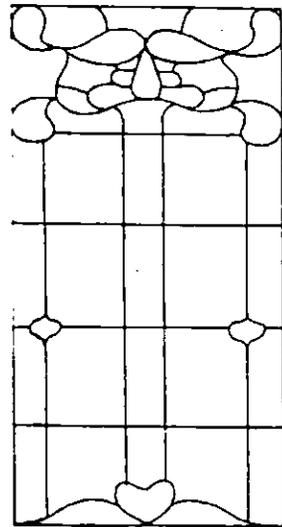
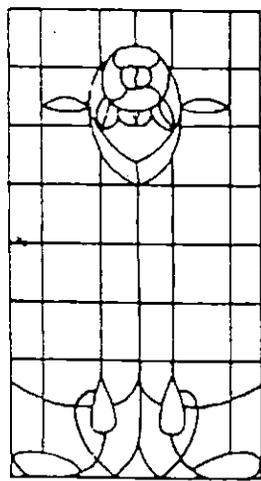
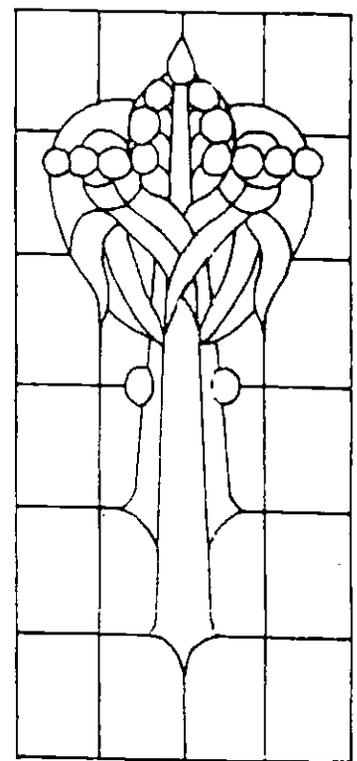
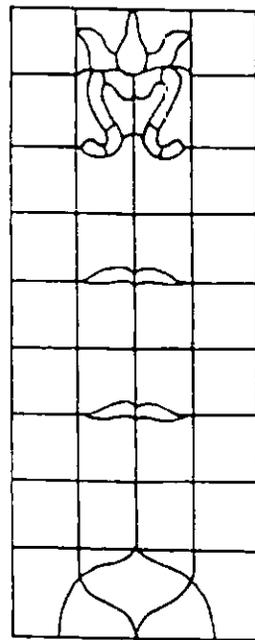
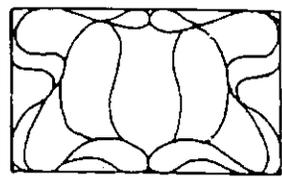
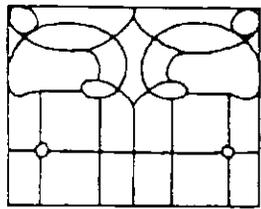
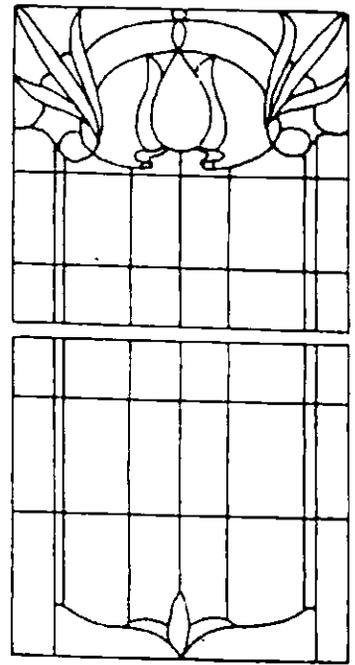
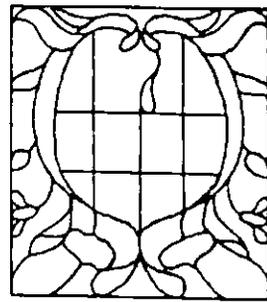
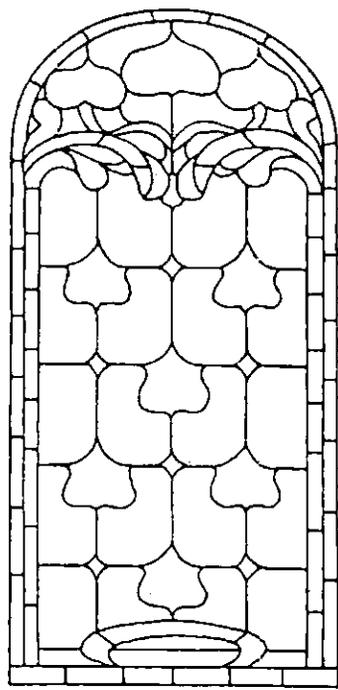
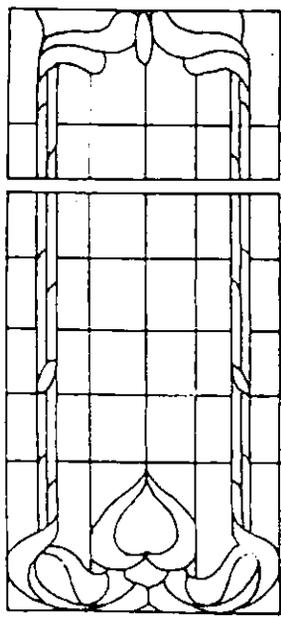


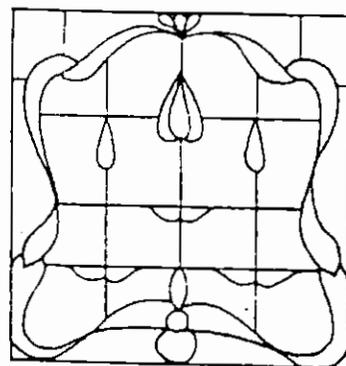
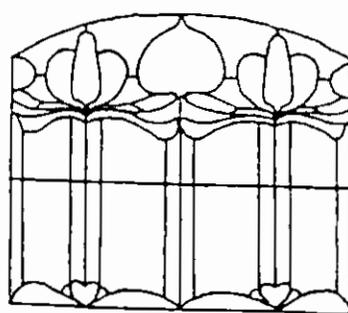
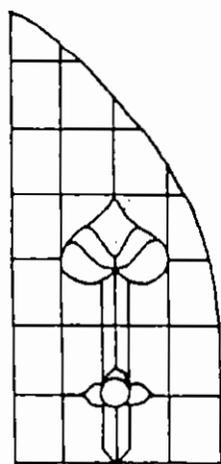
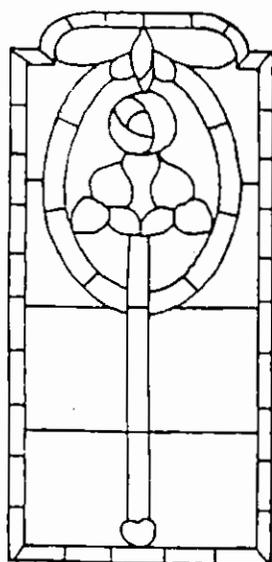
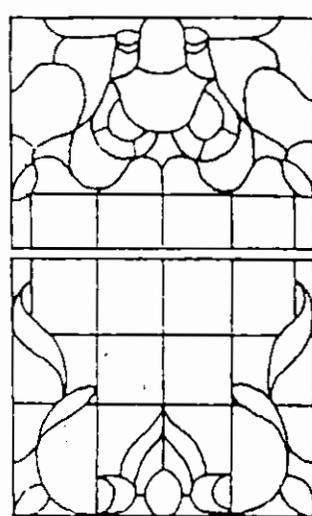
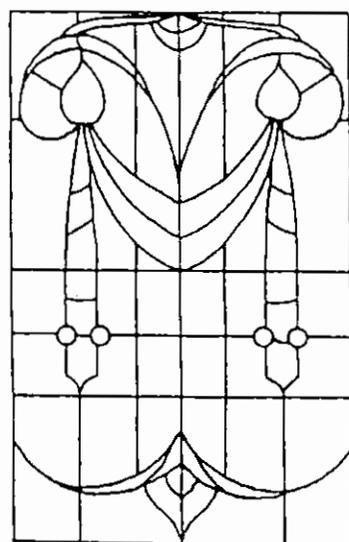
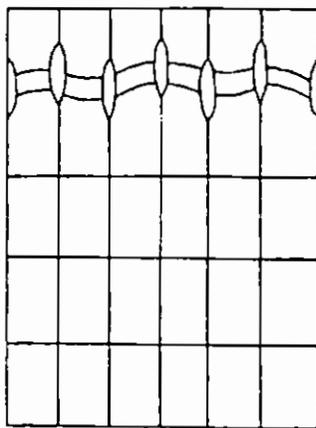
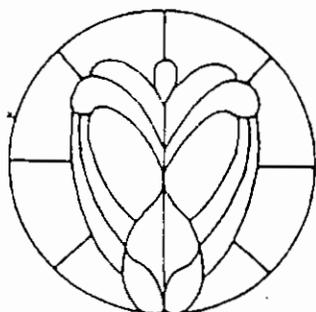
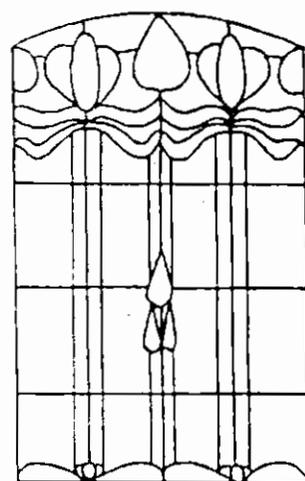
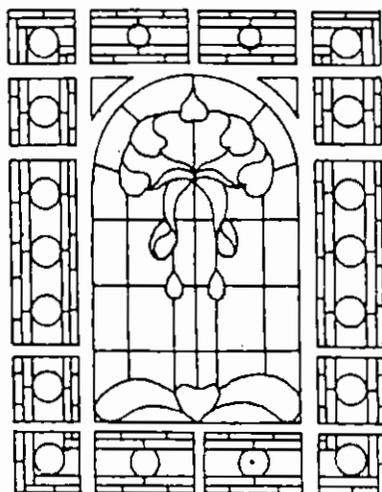
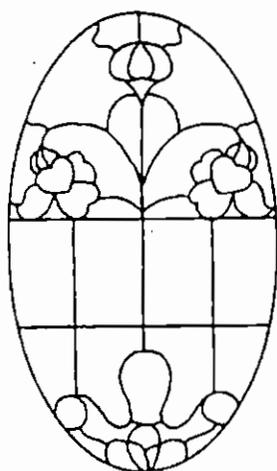
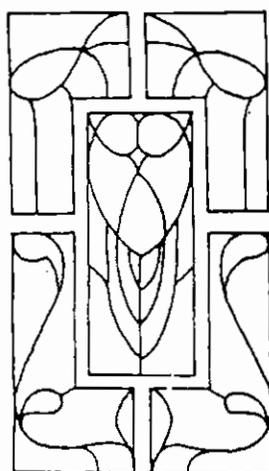
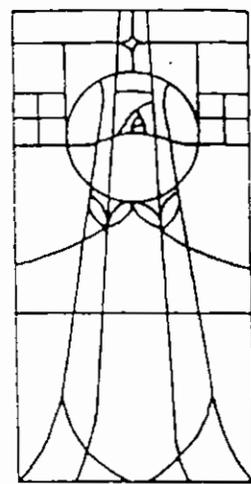
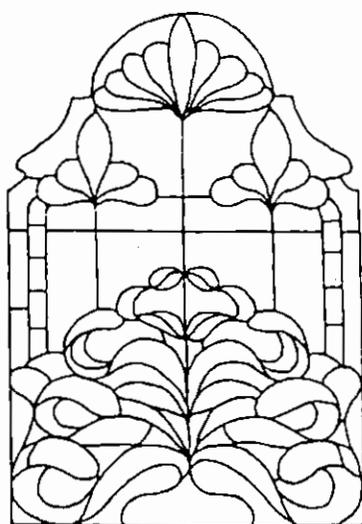
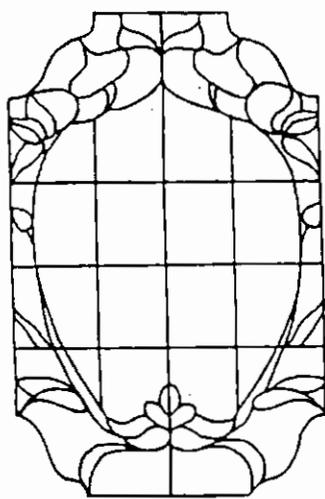
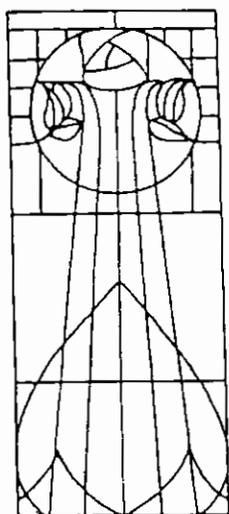




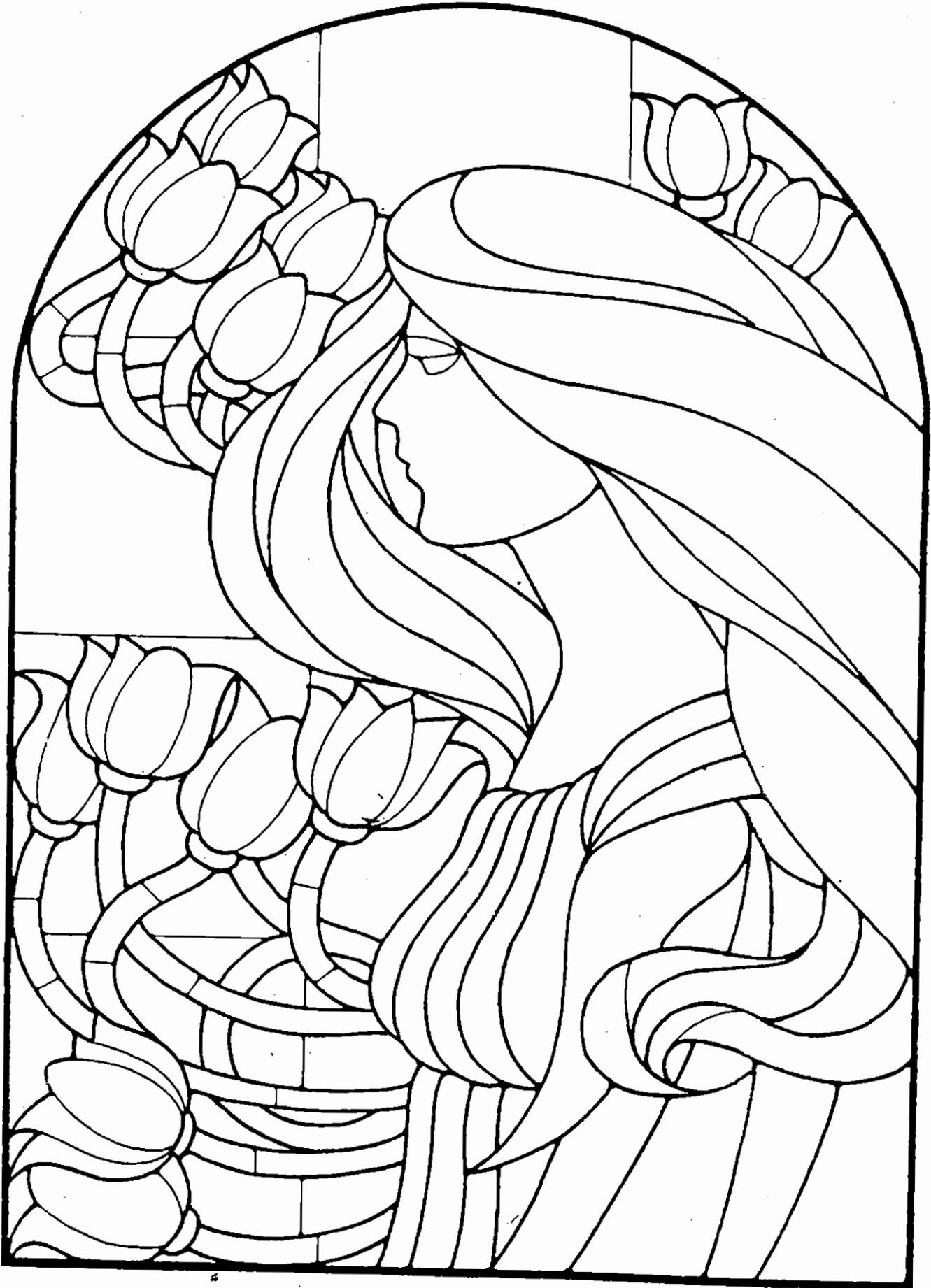


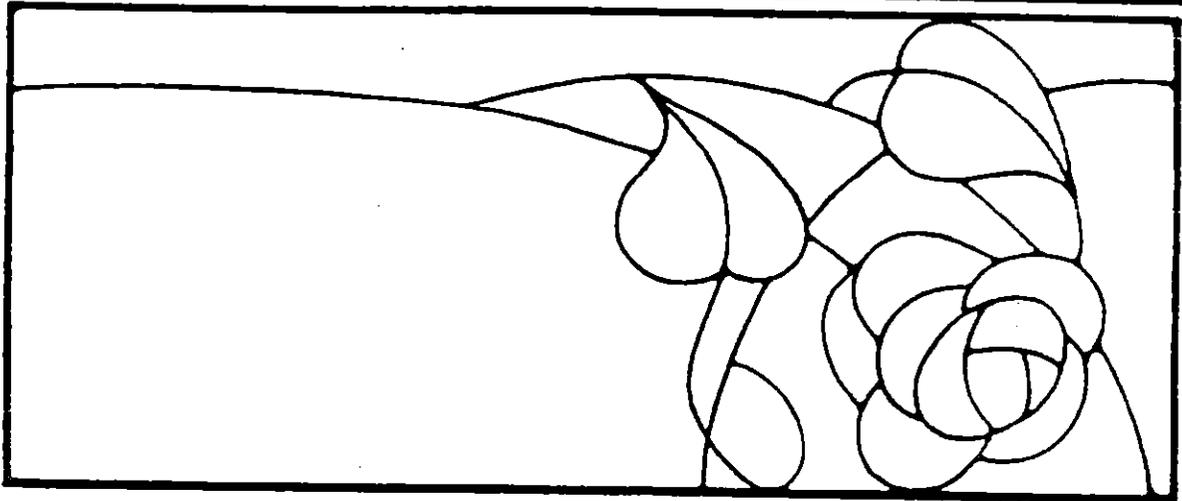


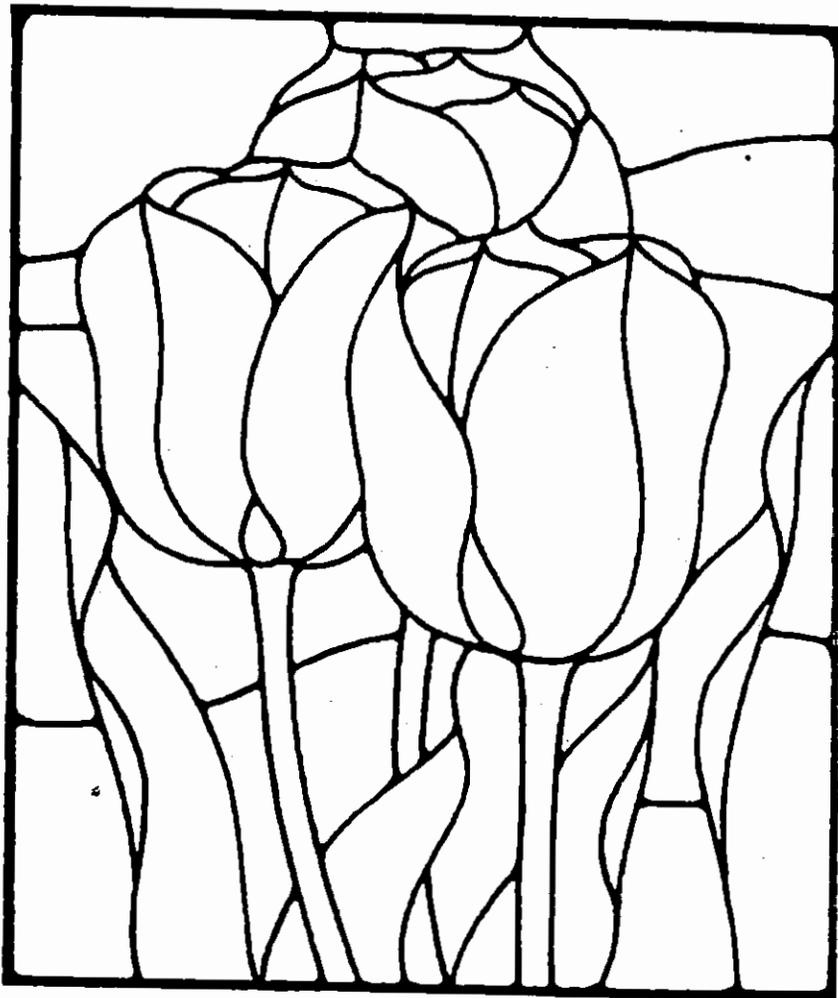
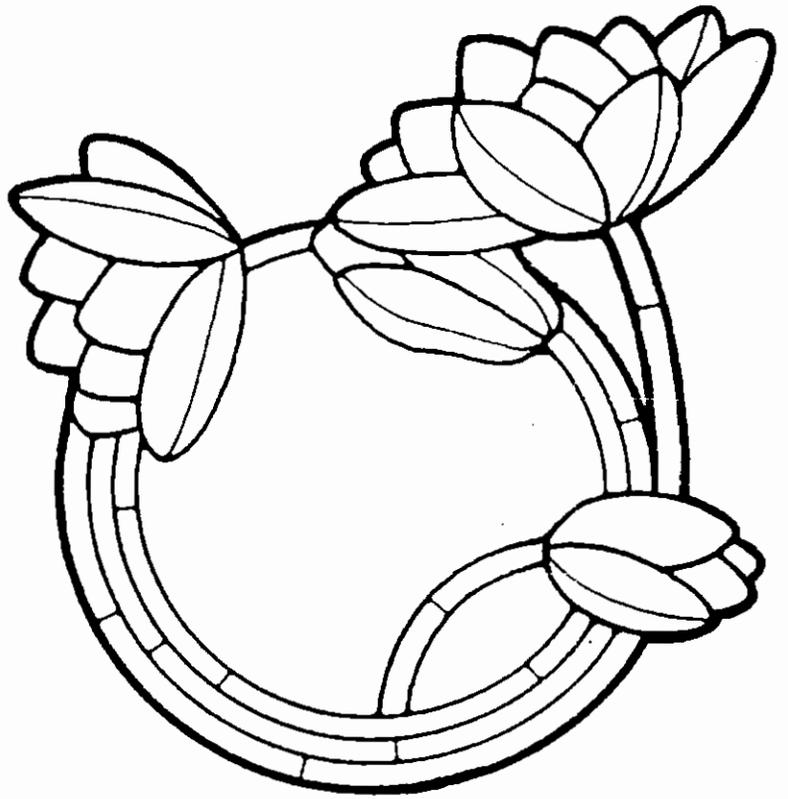
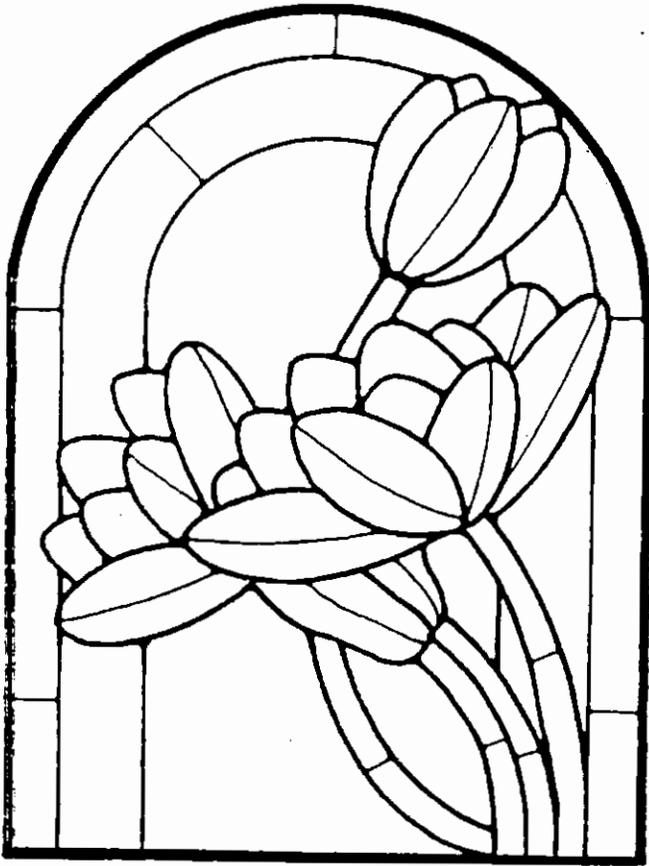


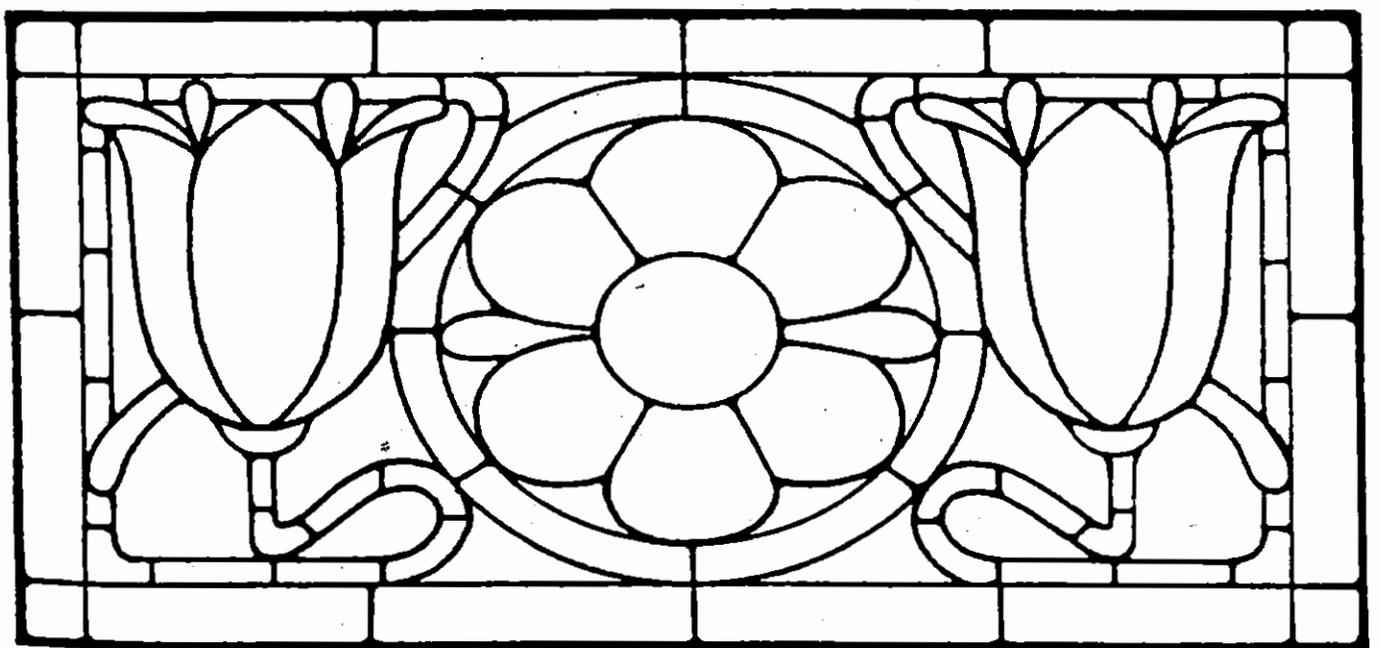
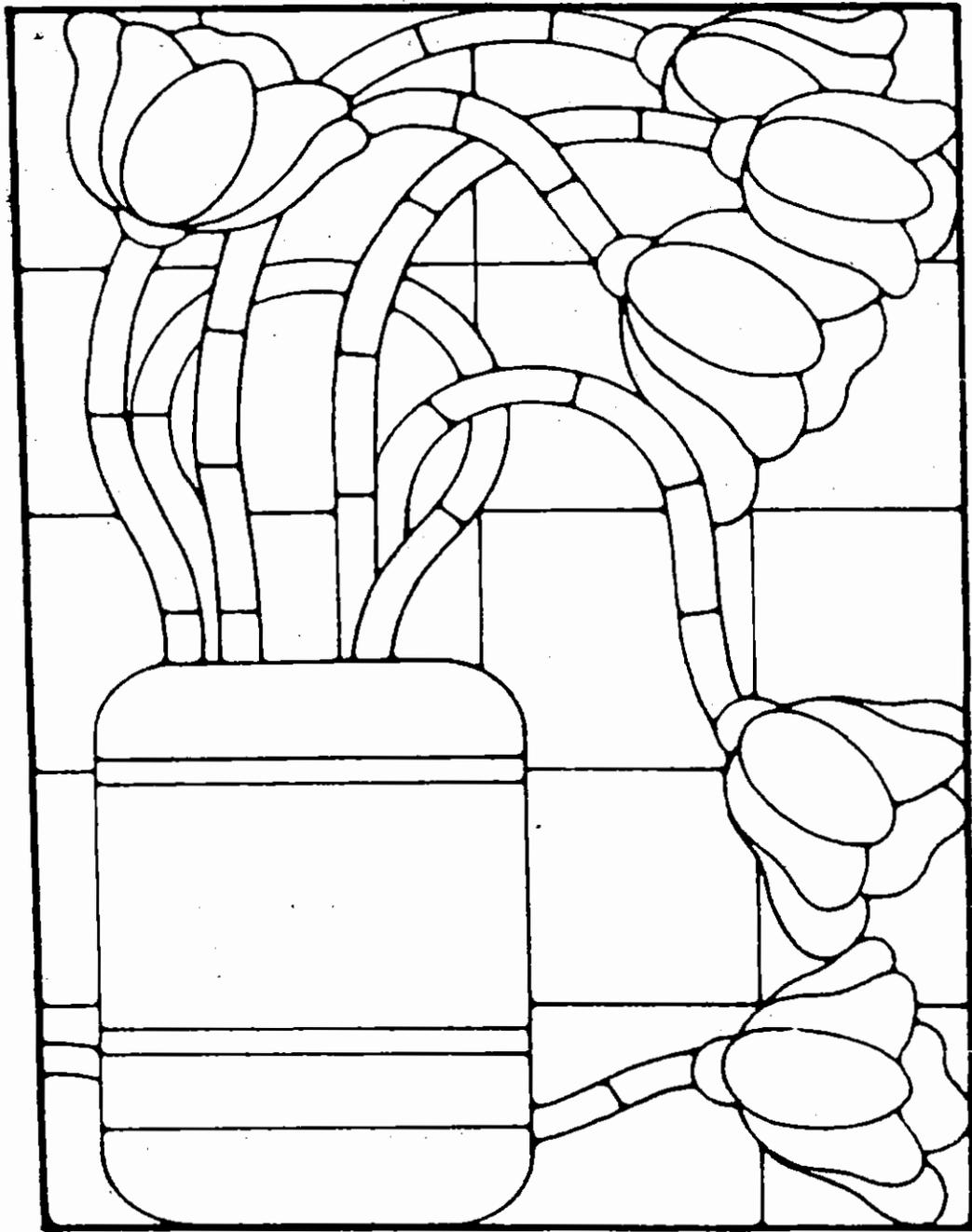


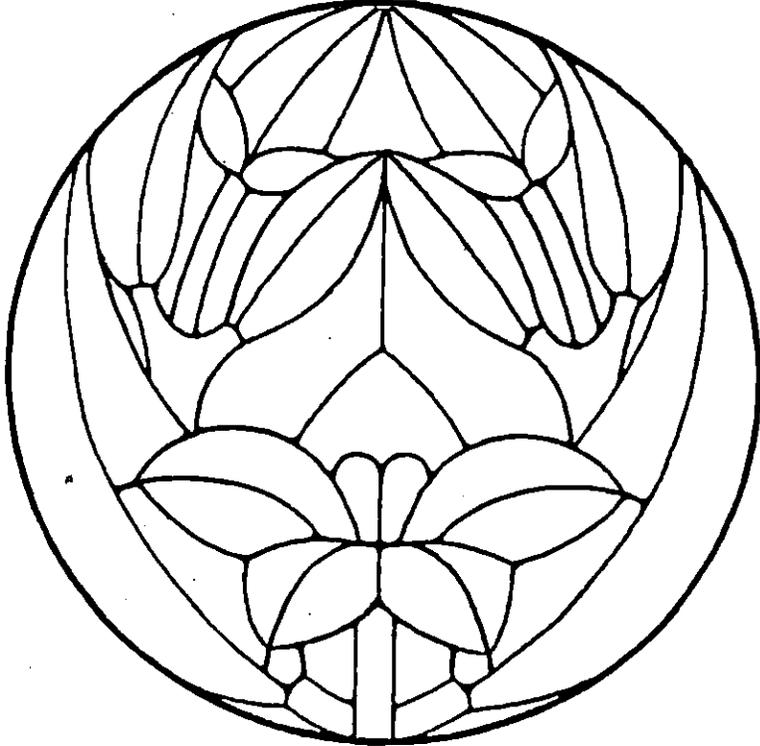
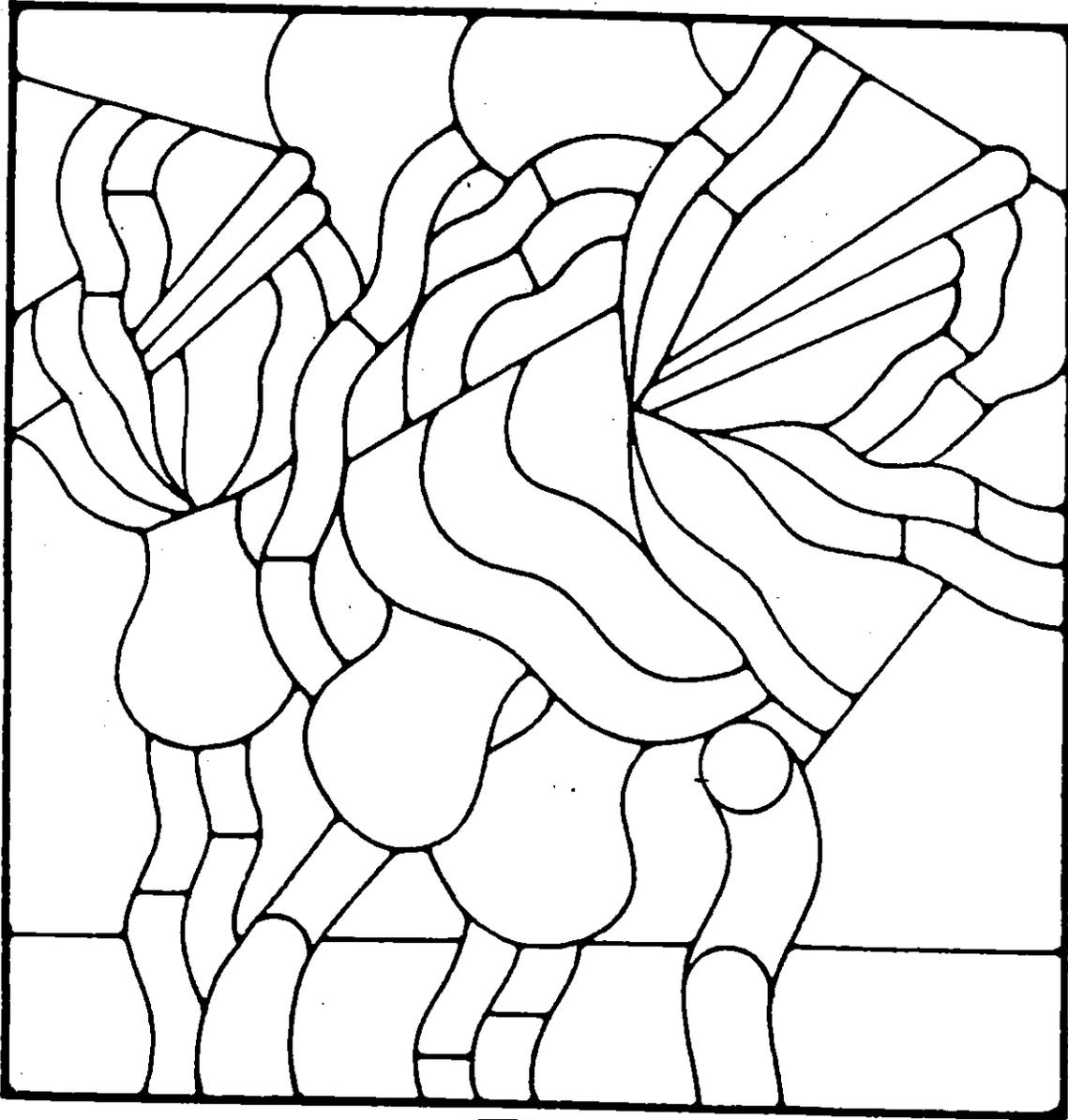
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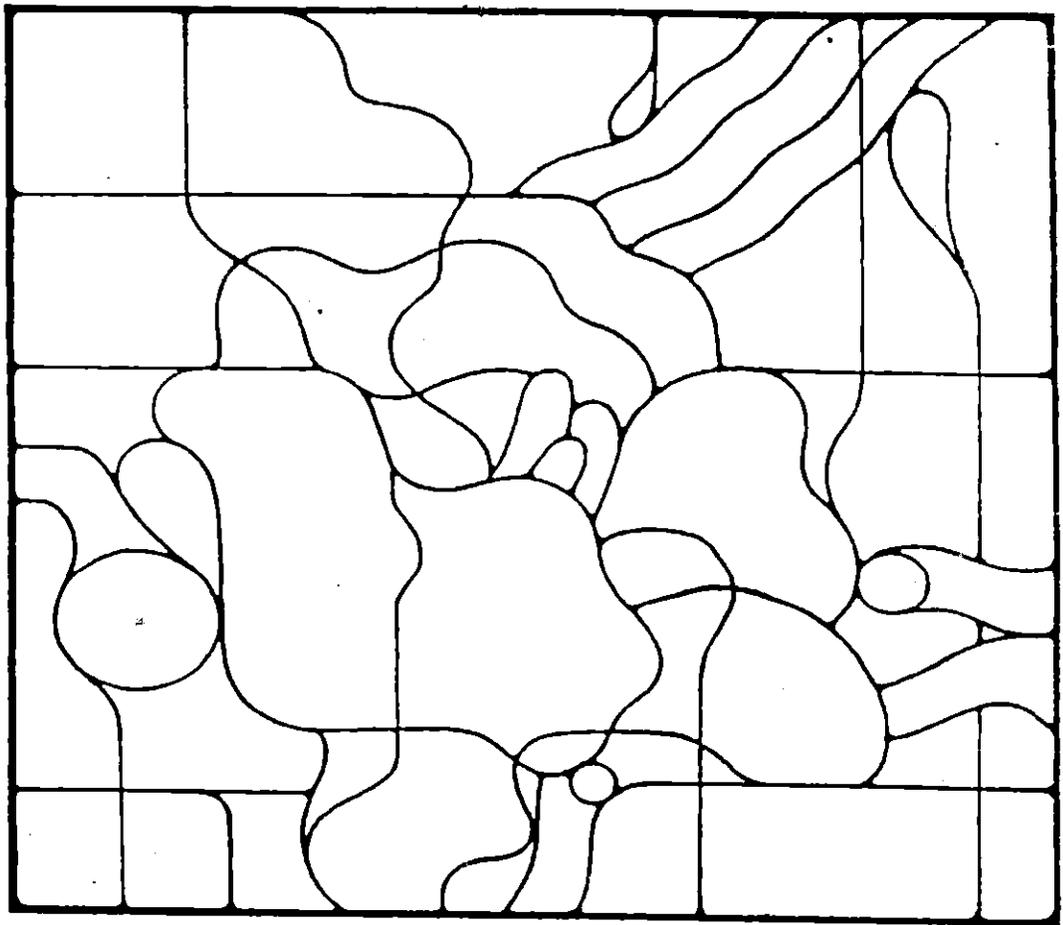
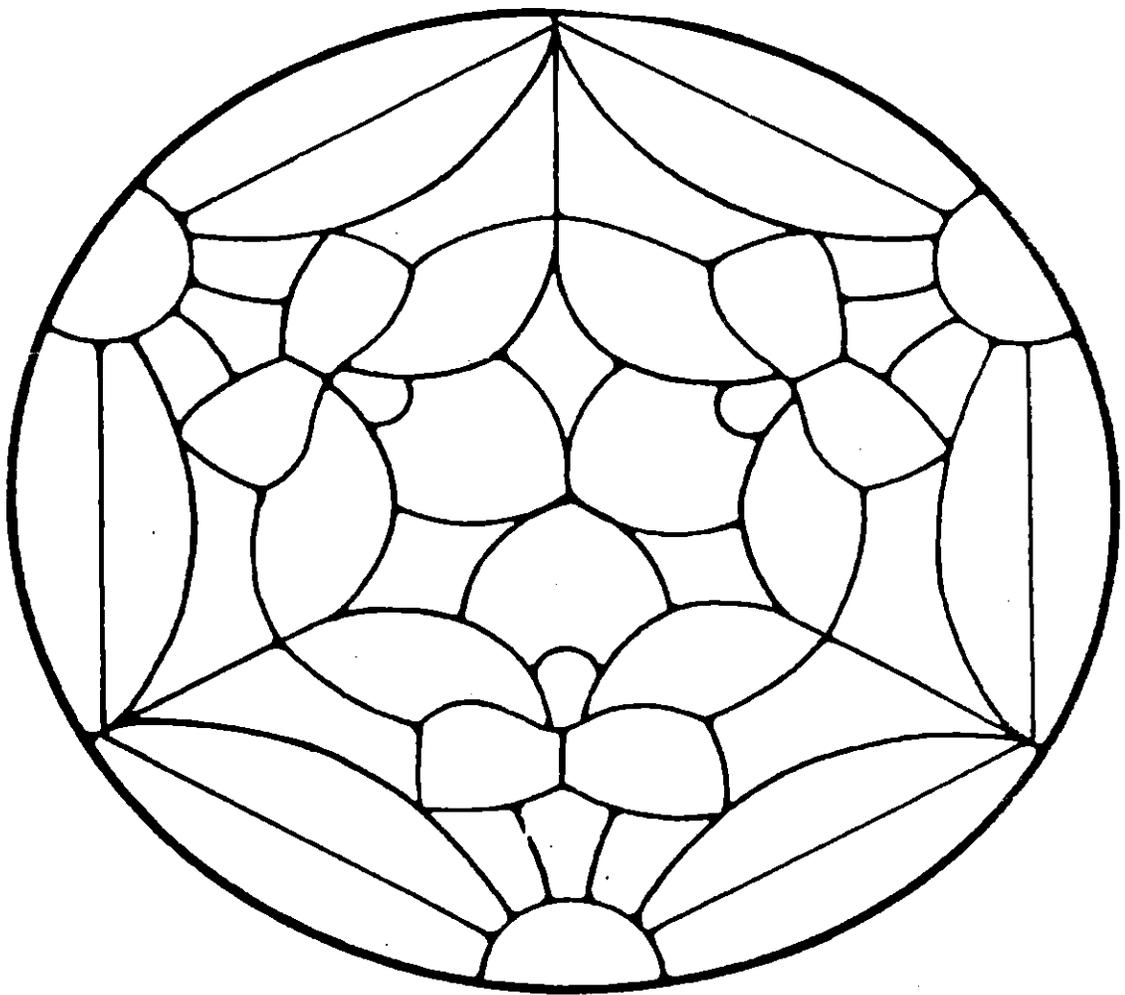


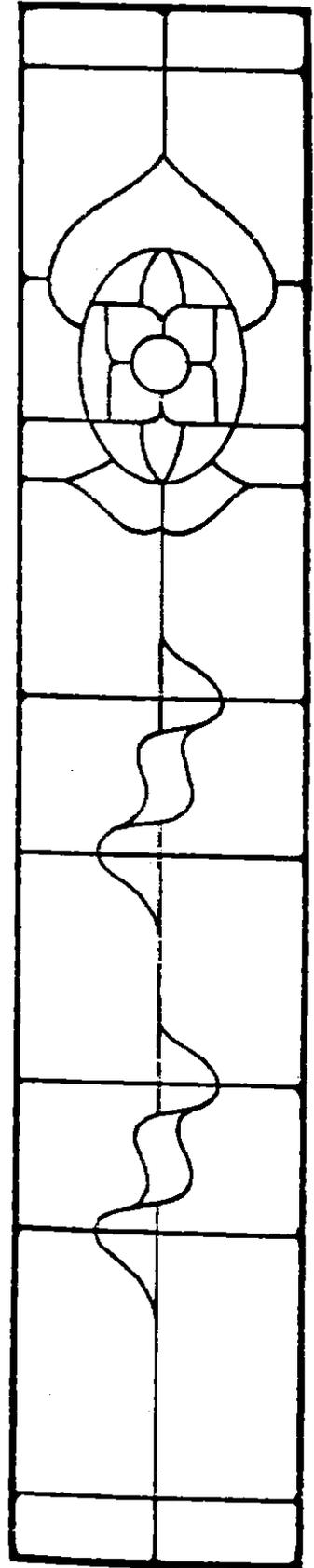
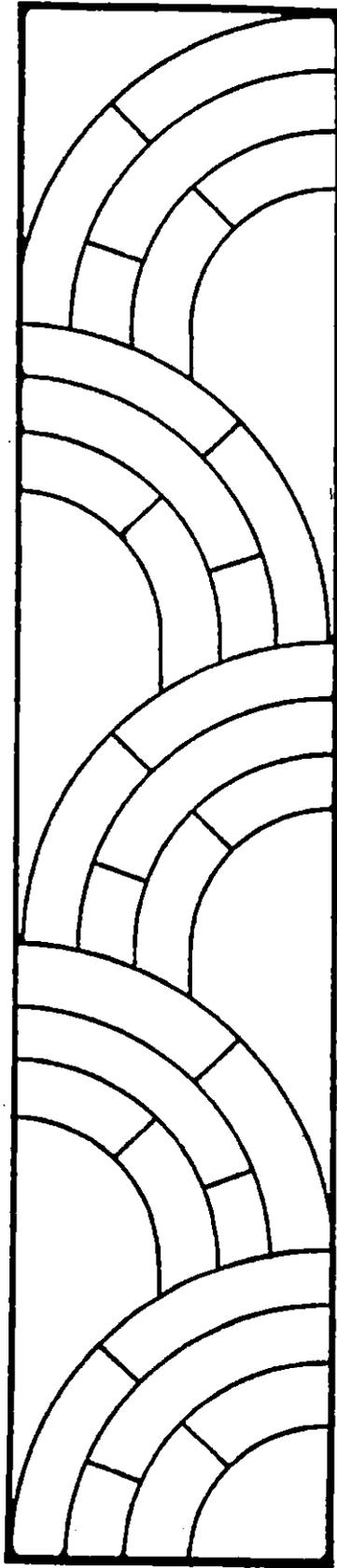
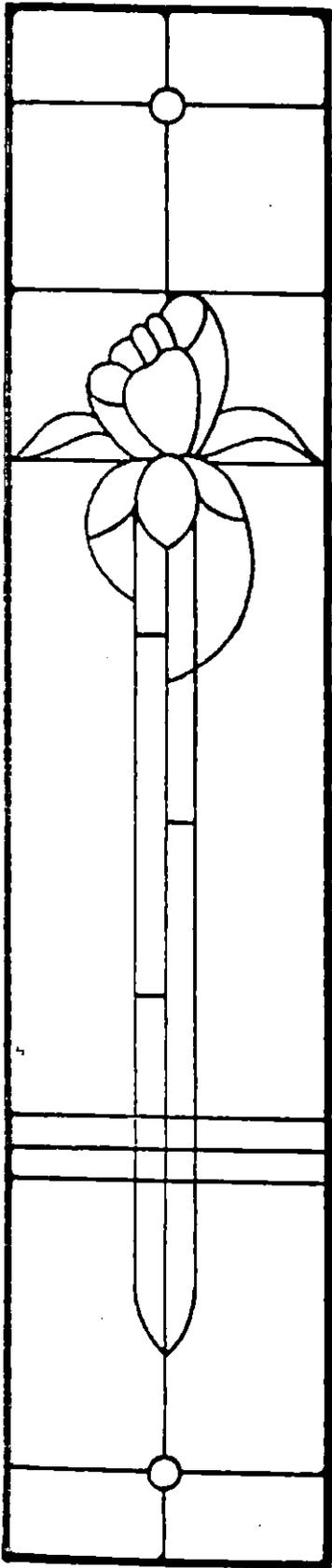


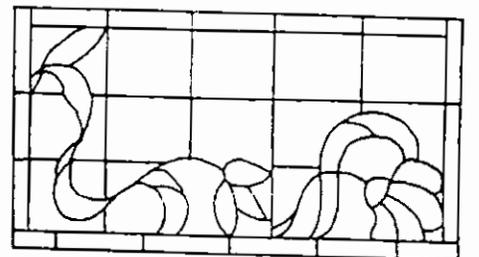
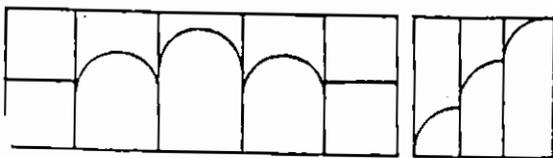
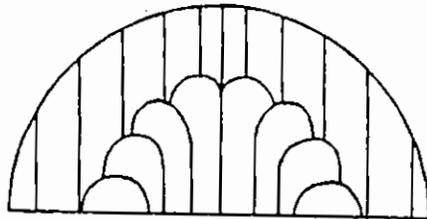
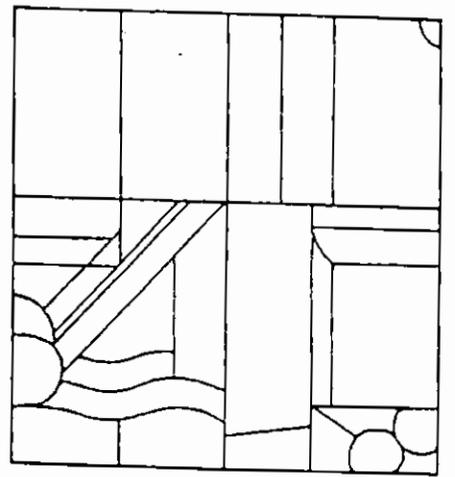
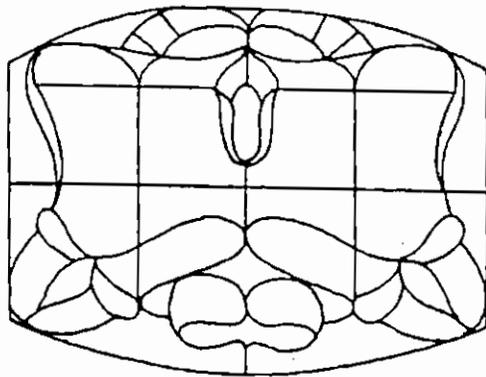
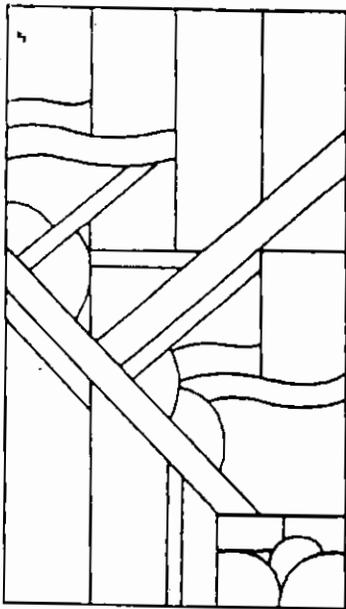
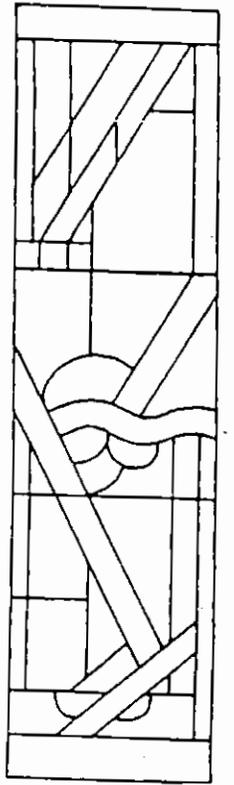
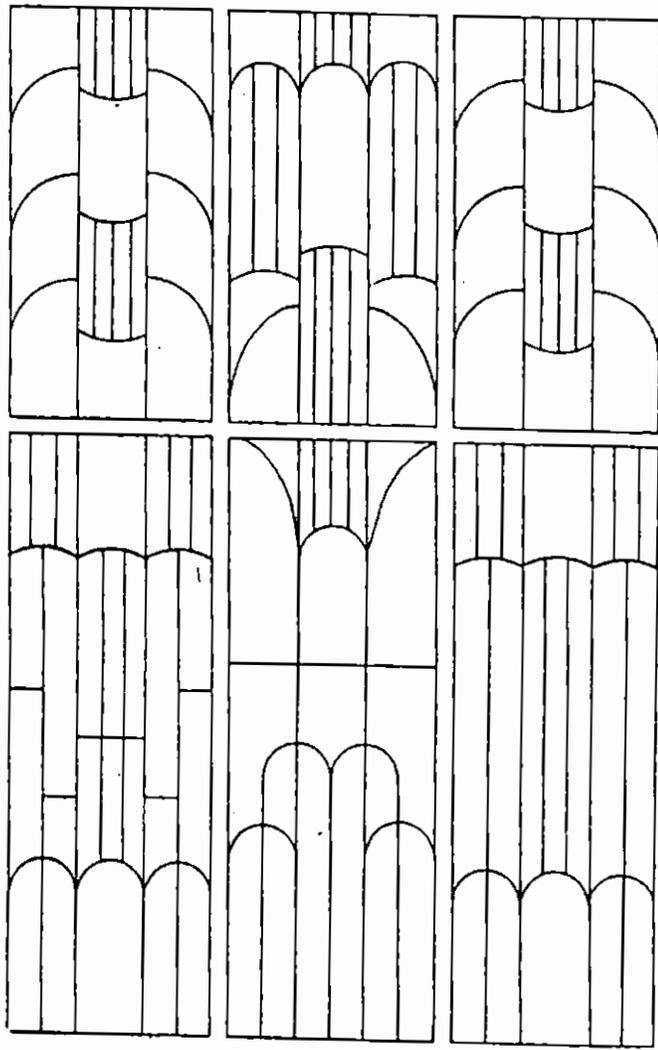
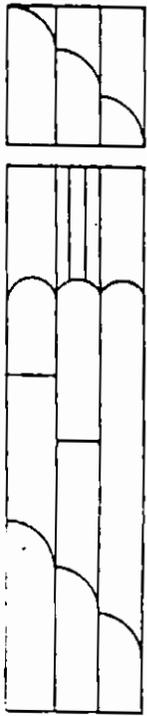


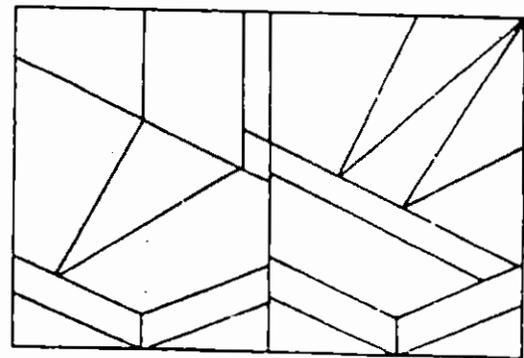
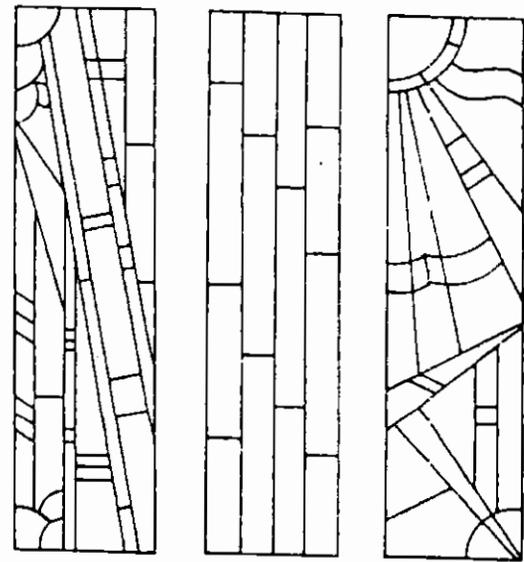
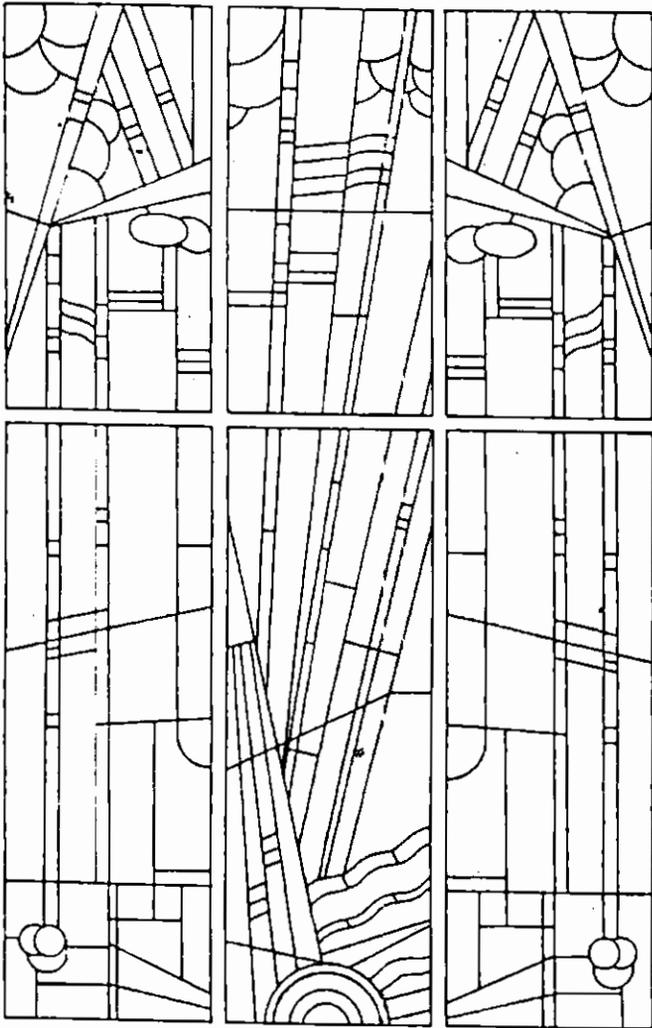
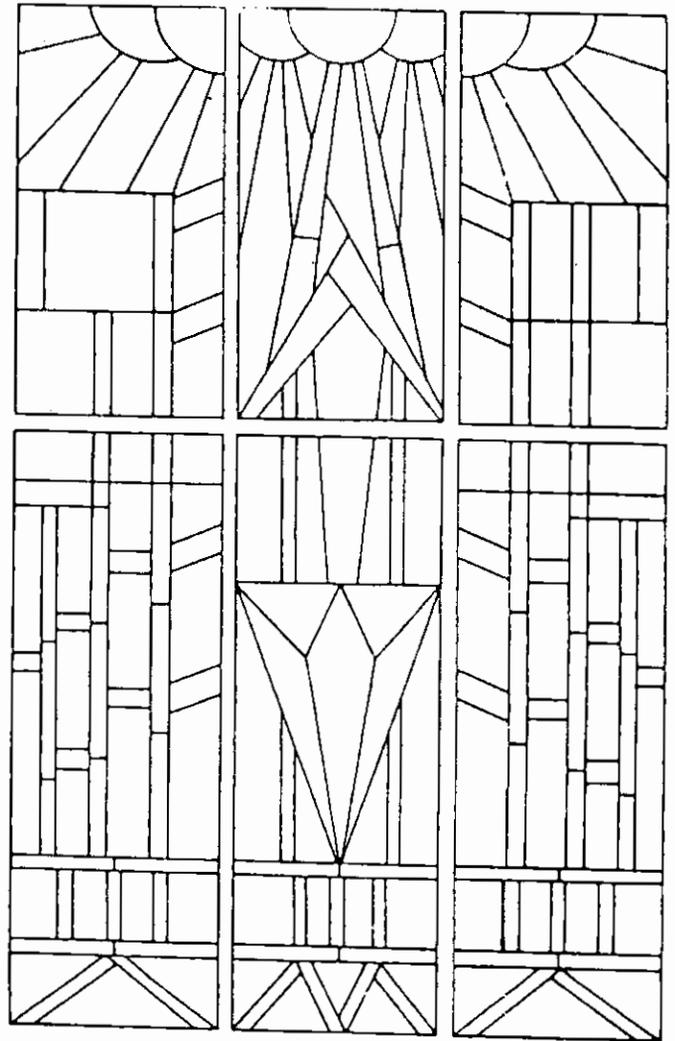
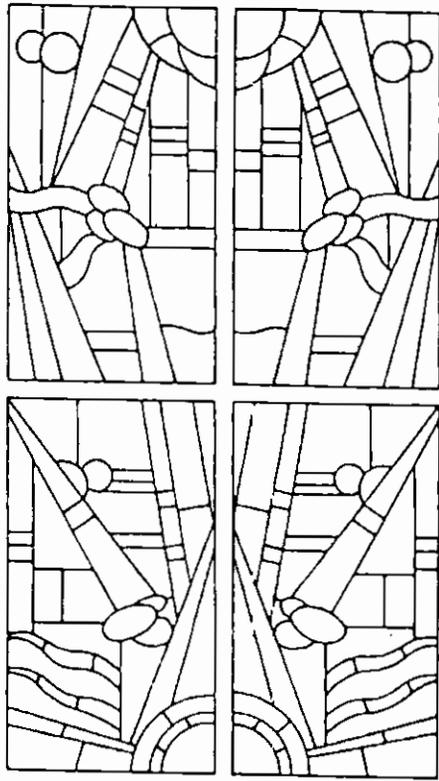






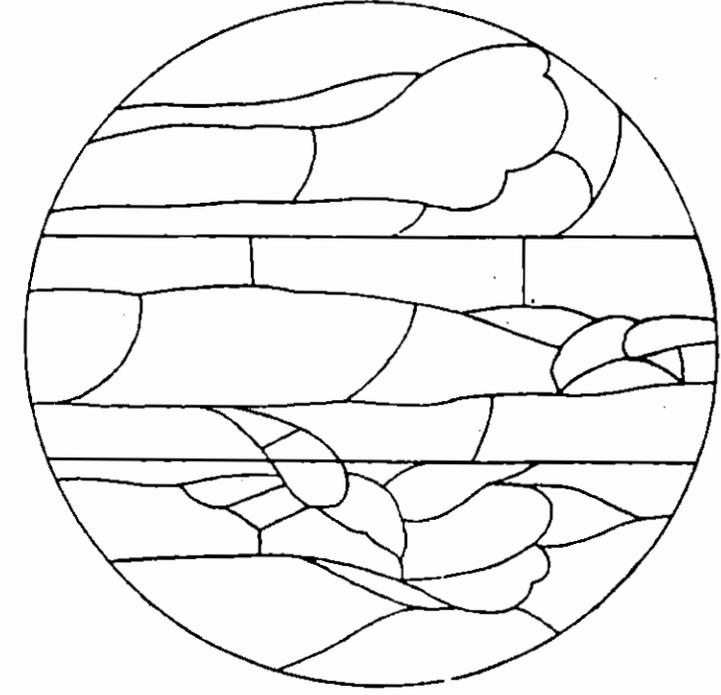
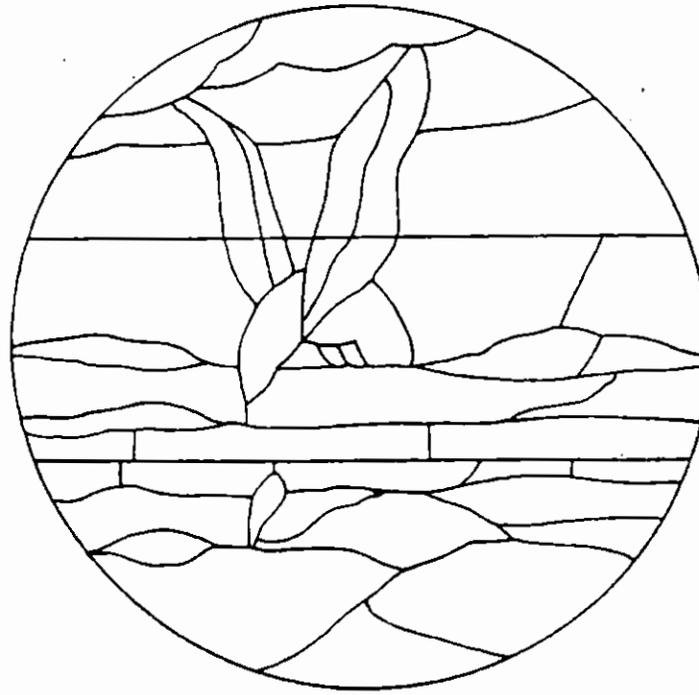
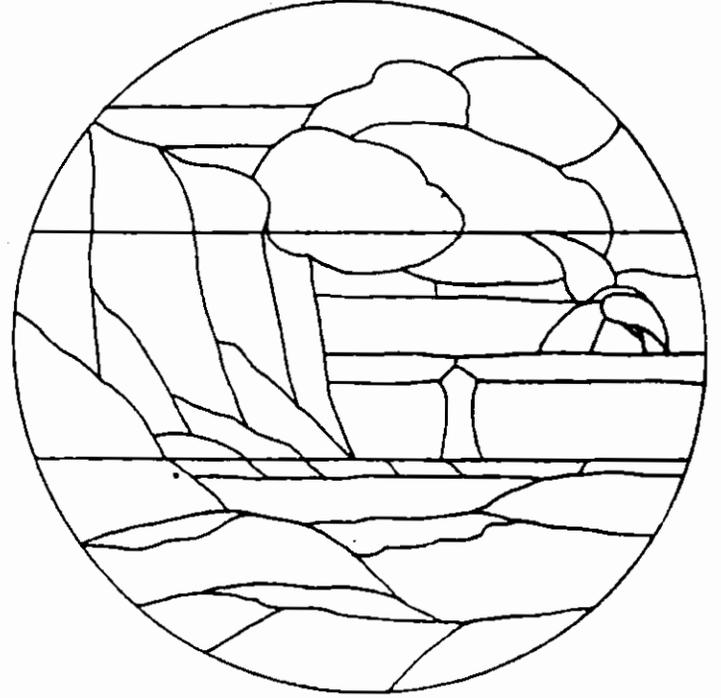
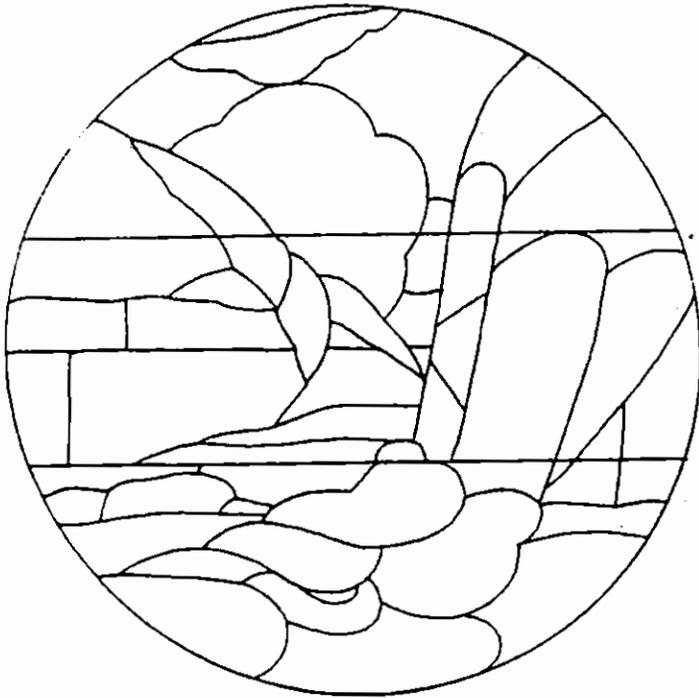
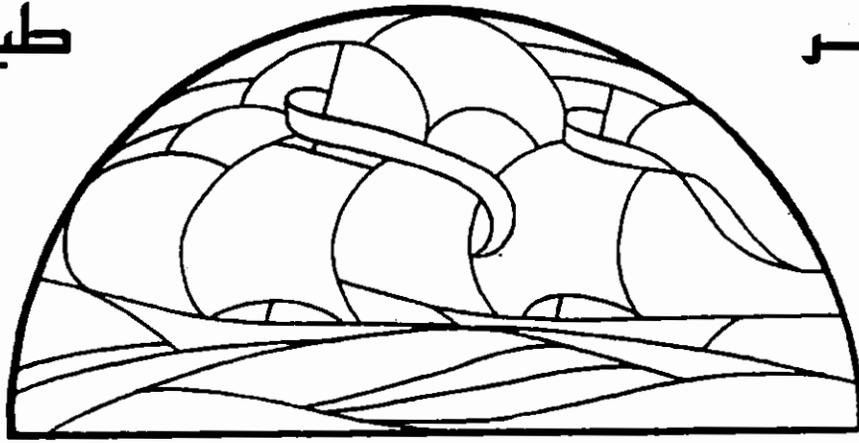


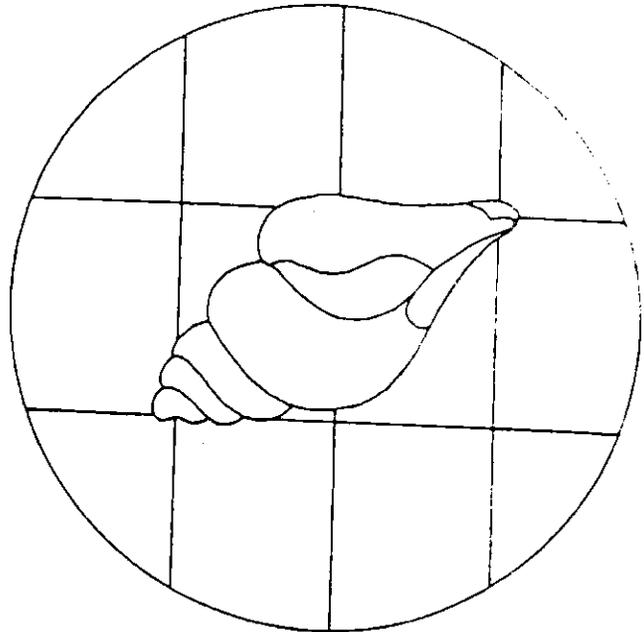
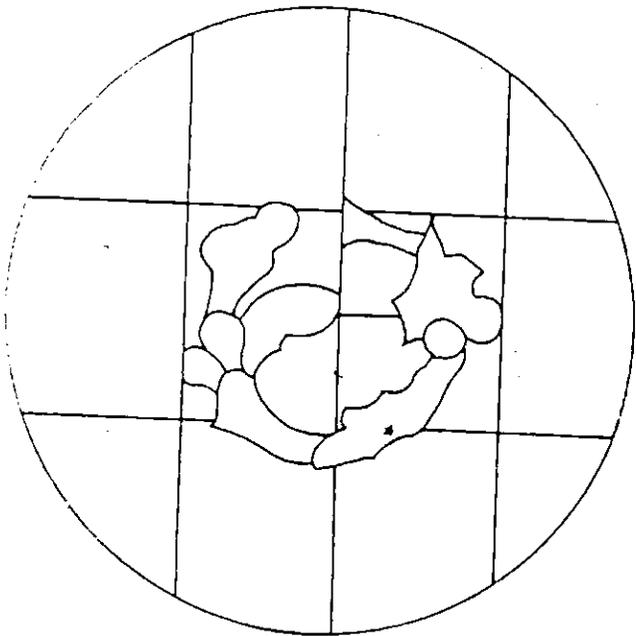
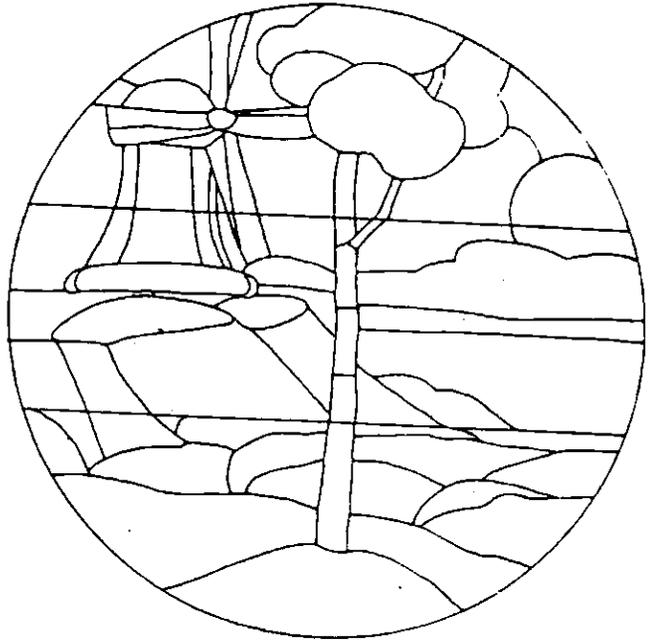
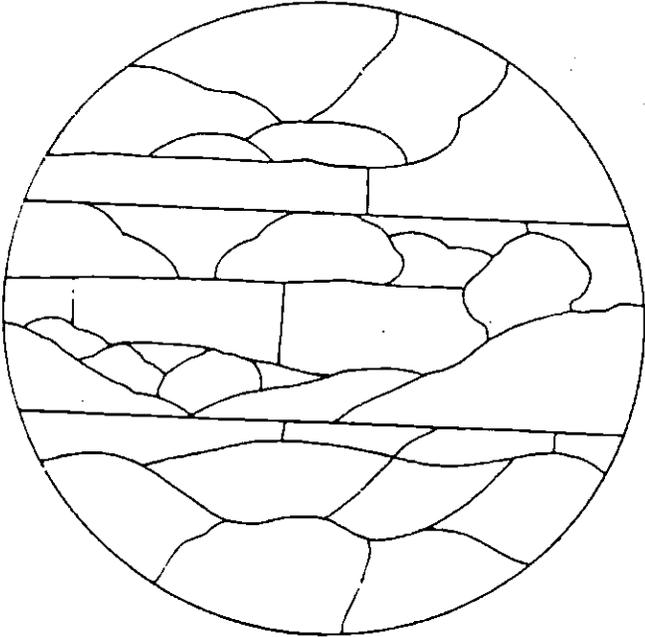
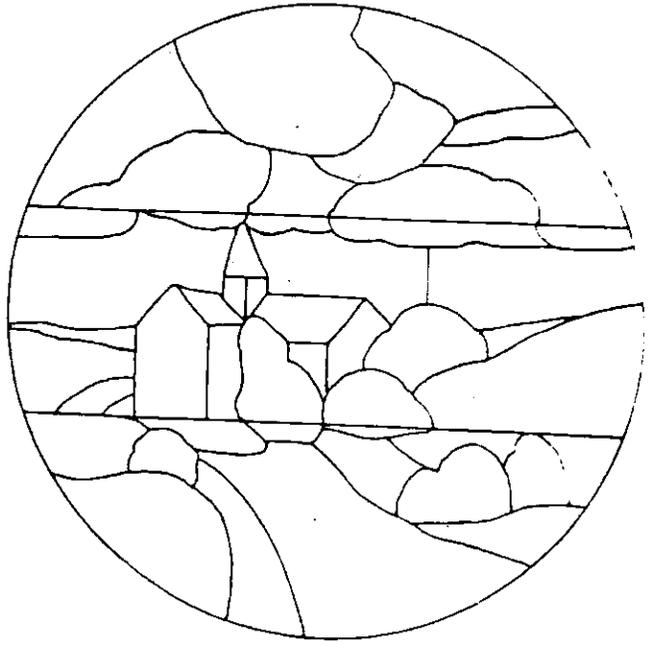
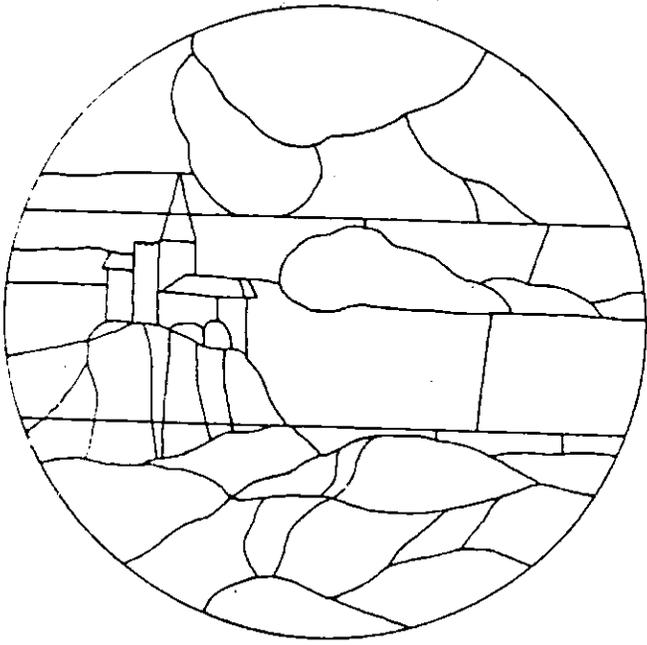


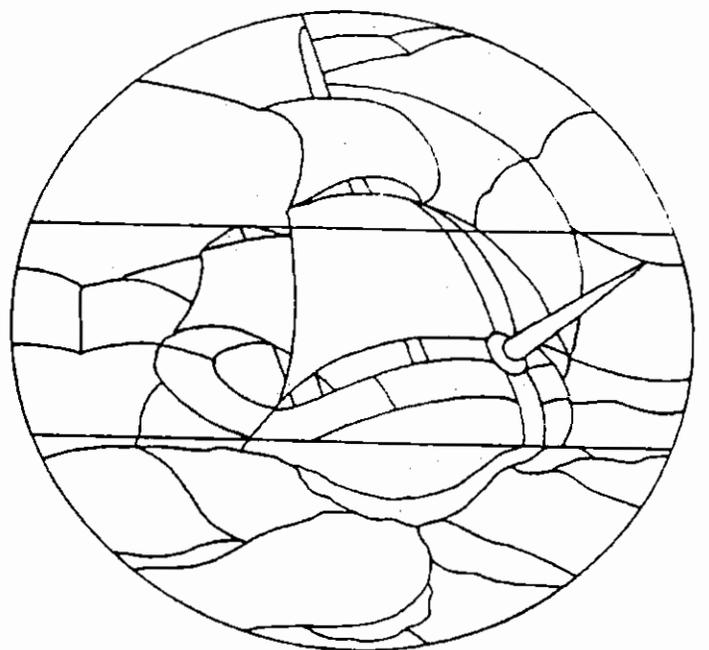
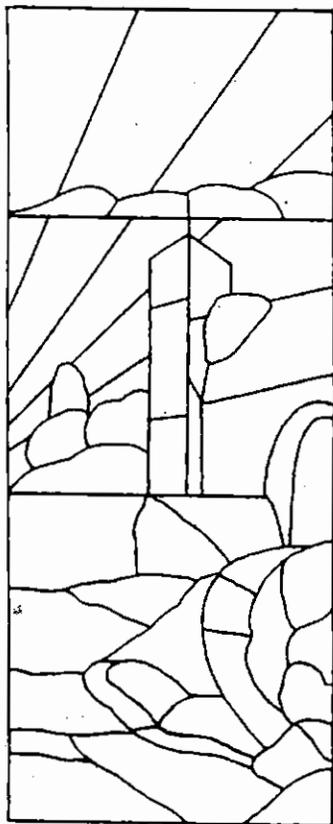
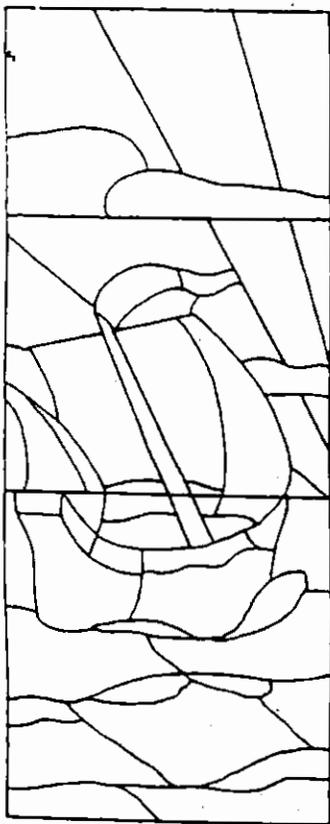
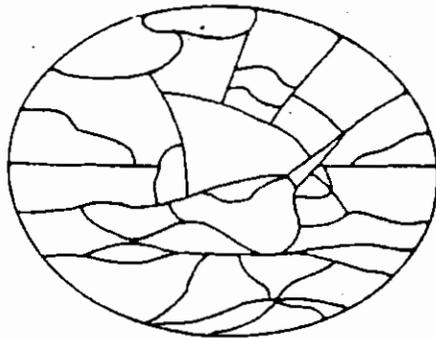
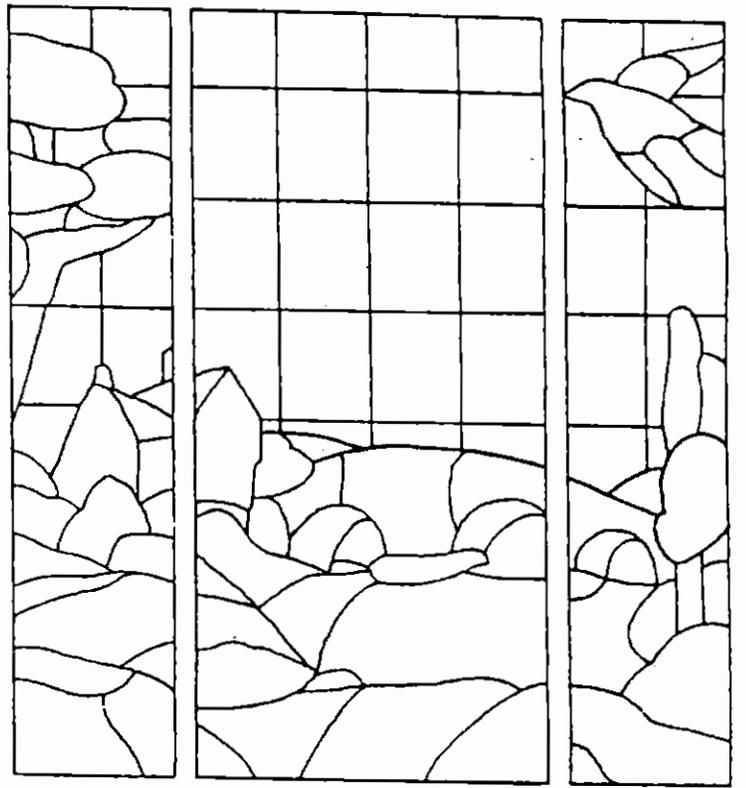
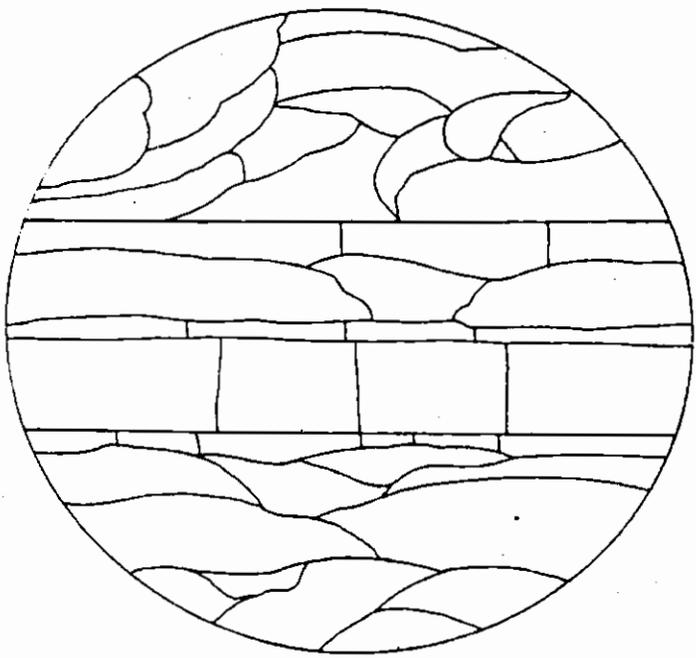


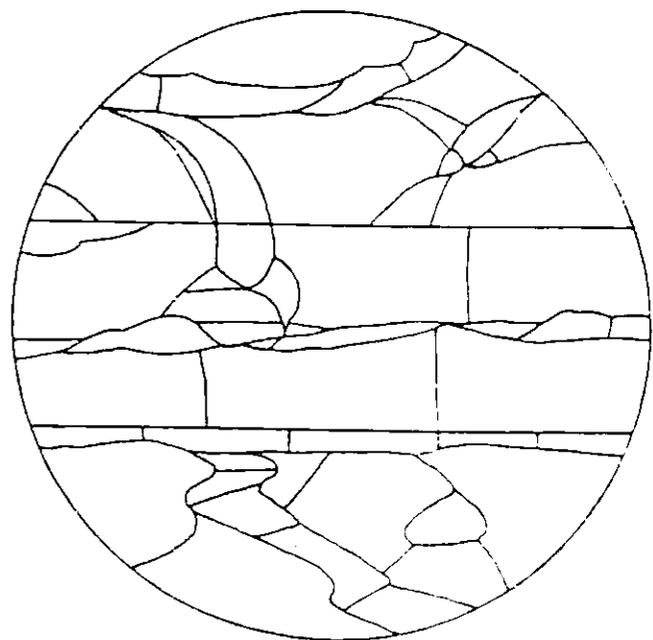
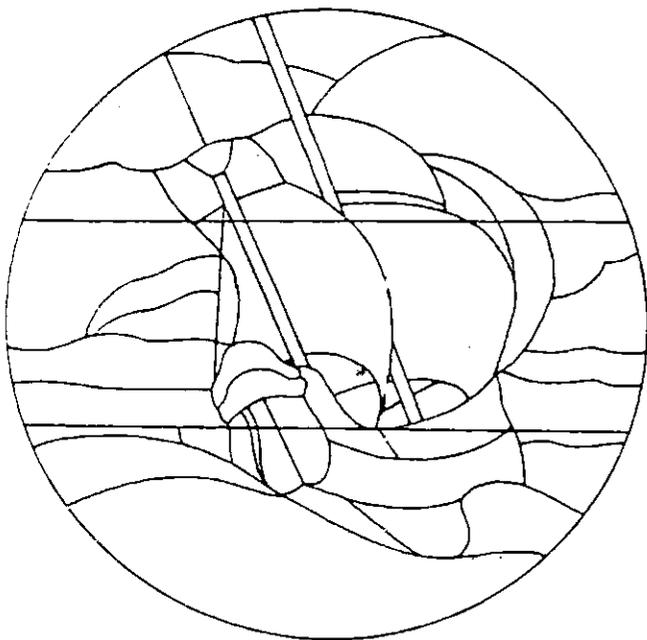
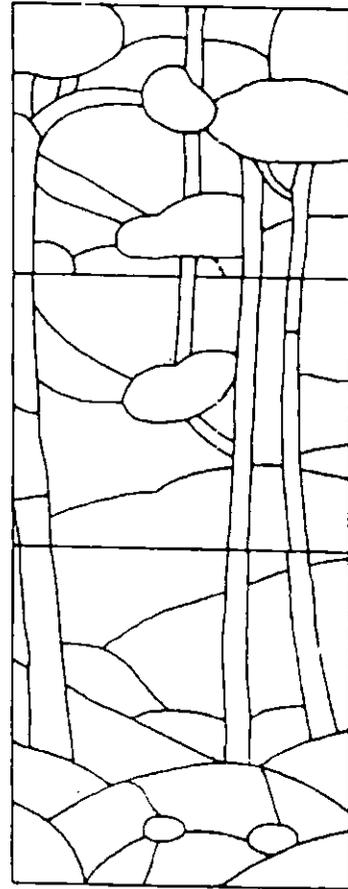
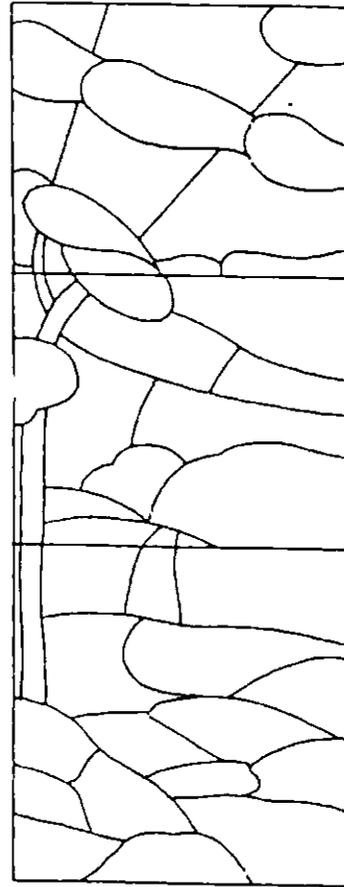
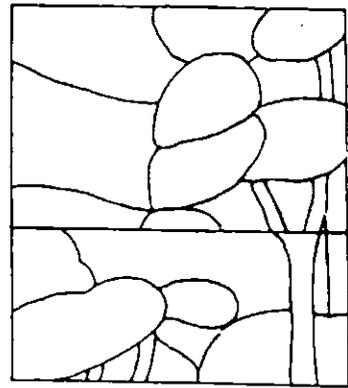
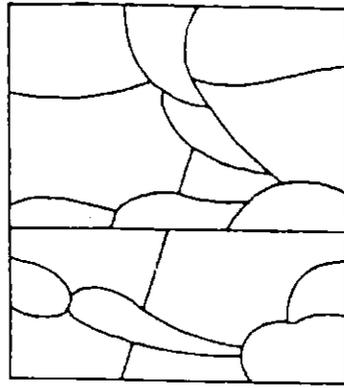
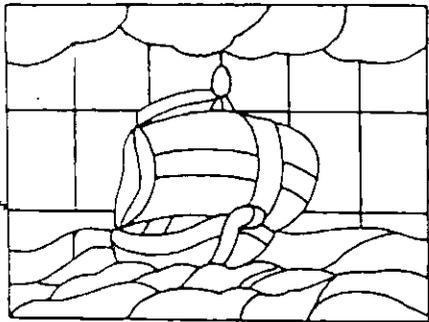
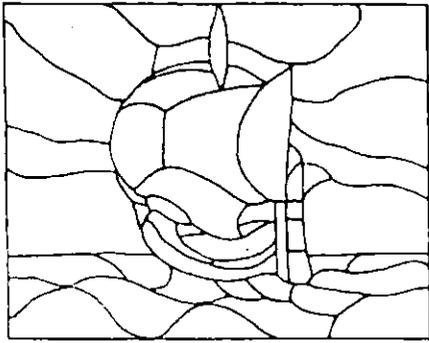
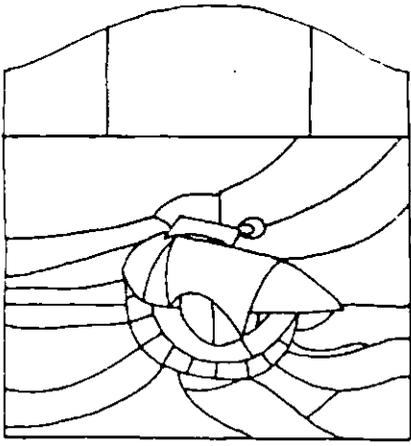
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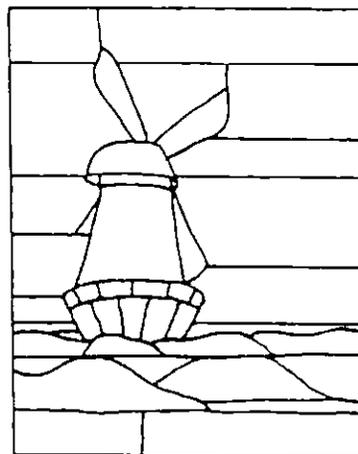
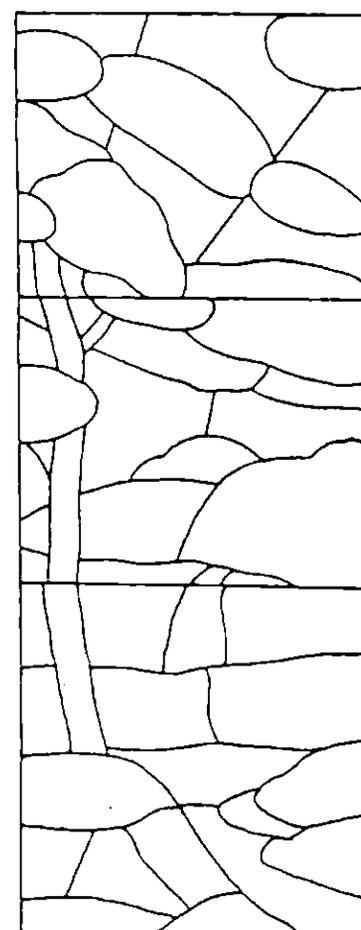
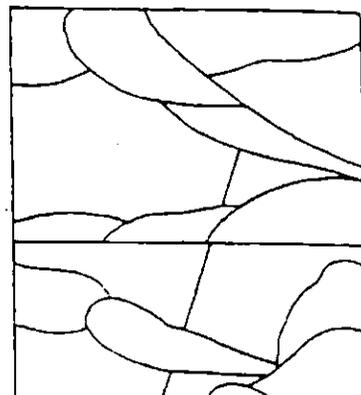
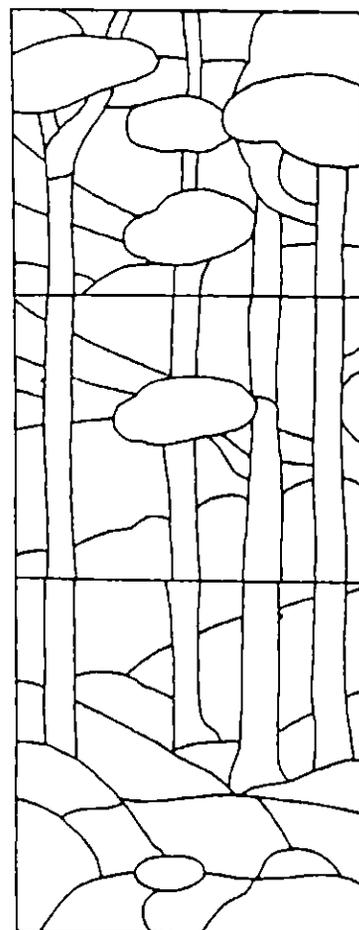
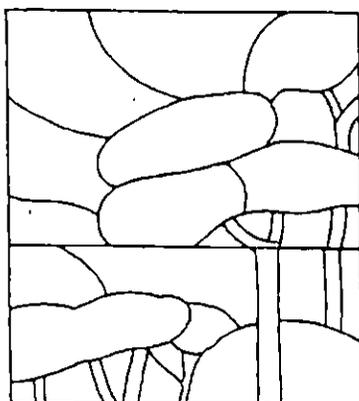
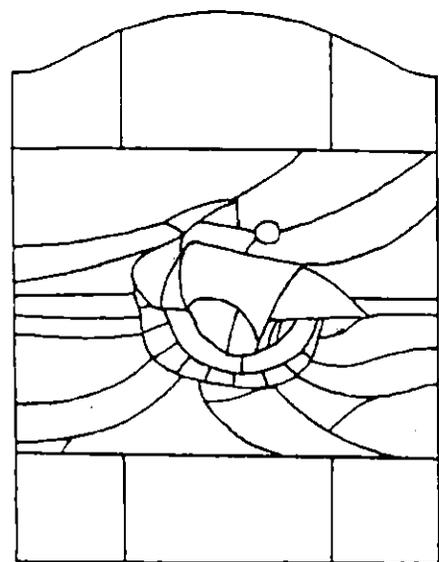
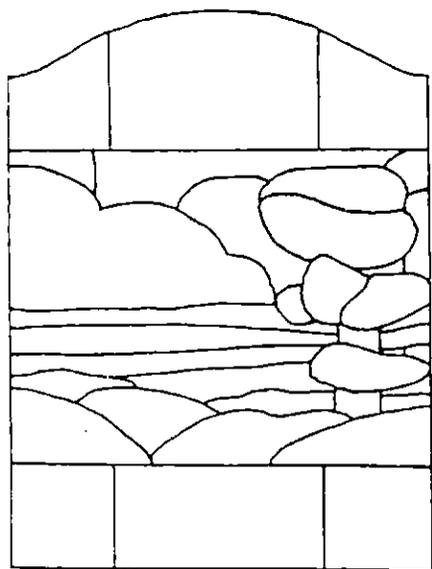
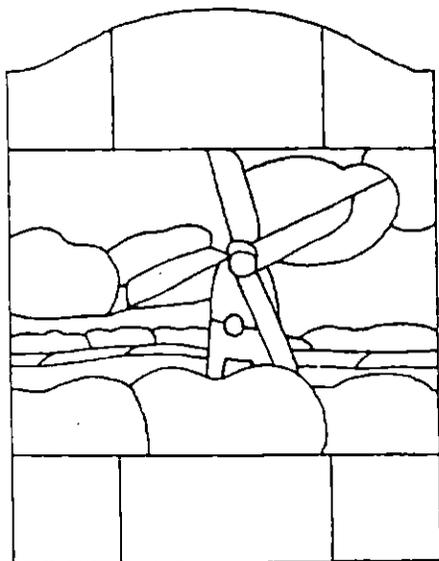
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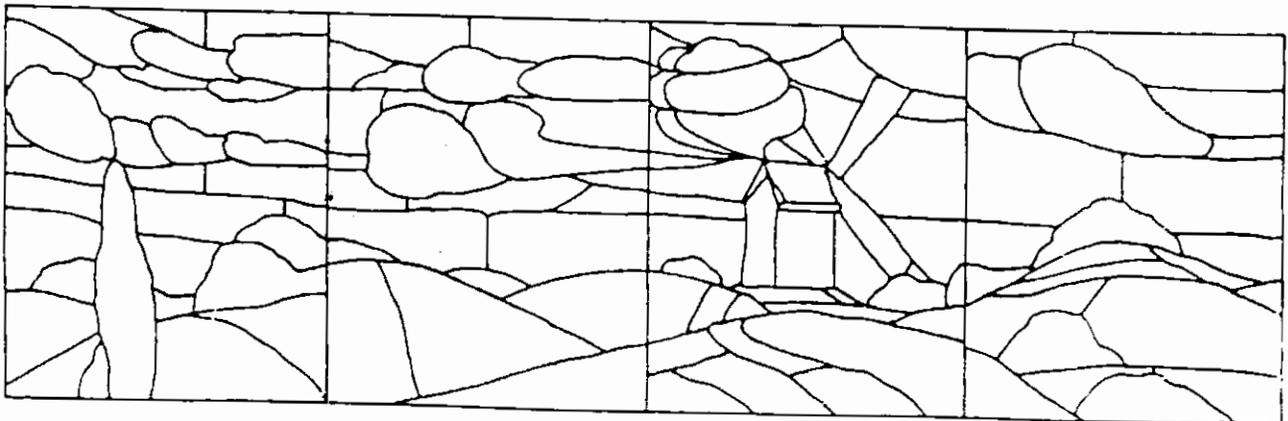
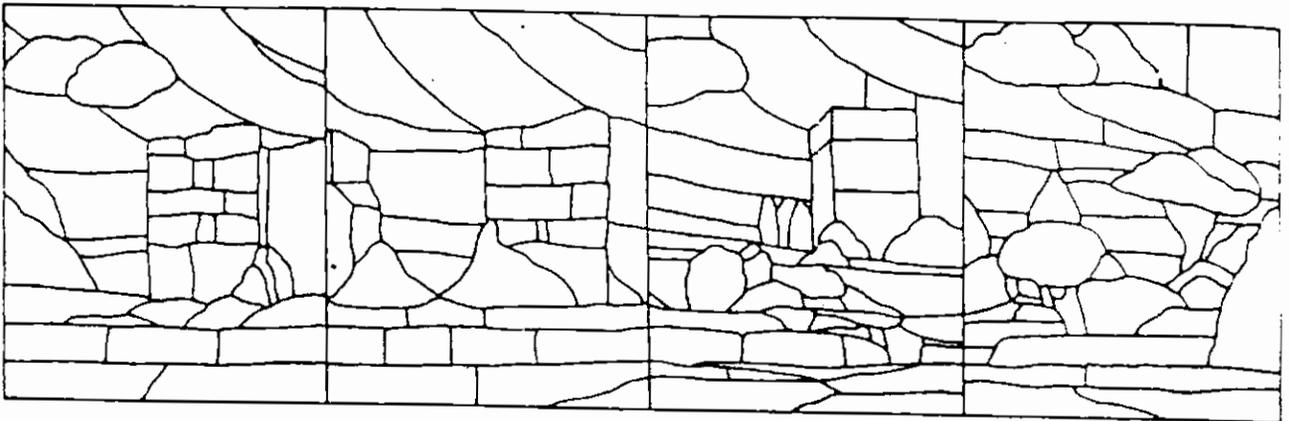
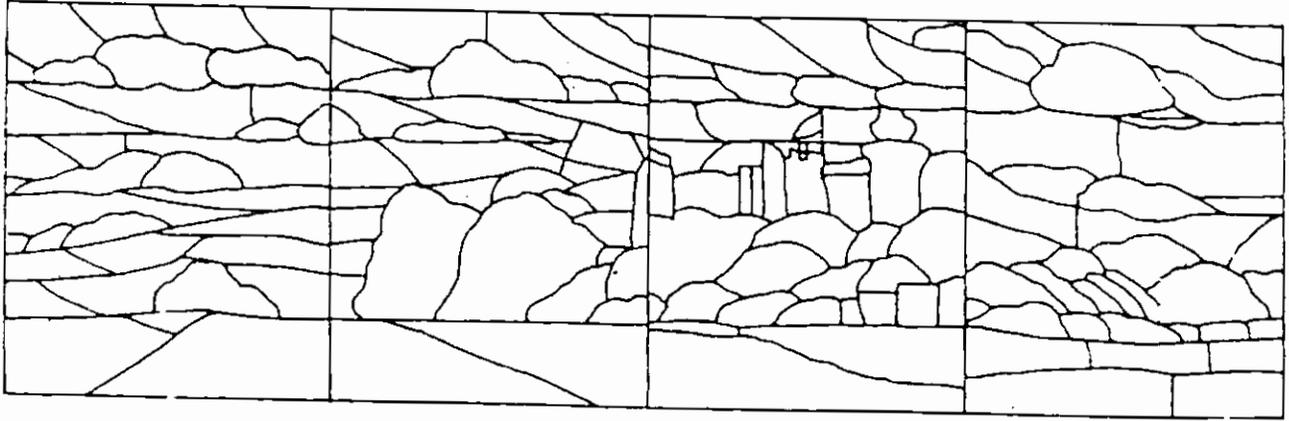
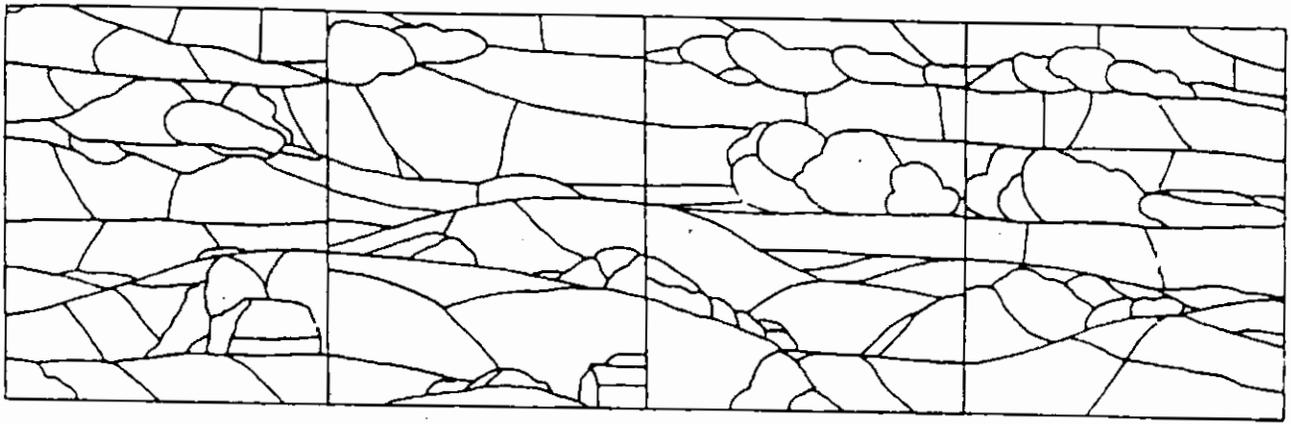












منوعات

